CURRENT HOUSING REPORTS

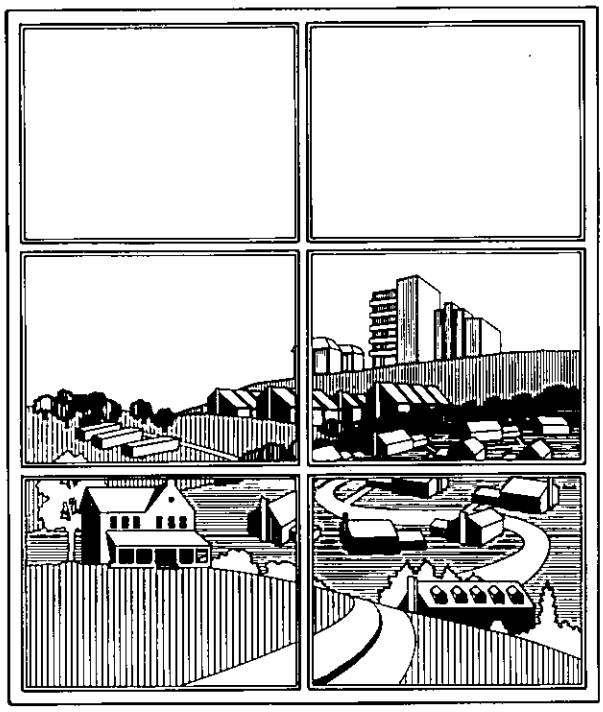
Part F

SERIES H-150-81

# ANNUAL HOUSING SURVEY: 1981

## Energy-Related Housing Characteristics

United States and Regions



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**U.S. Department of Commerce**

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**Clarence J. Brown,** Deputy Secretary

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**U.S. Department of Housing and Urban Development**

**Samuel R. Pierce, Jr.,** Secretary

**Benjamin F. Bobo,** Acting Assistant Secretary for Policy Development and Research

**Anthony J. Sulvetta,** Deputy Assistant Secretary for Economic Affairs

# Preface and Acknowledgments

**U.S. Department of Commerce**
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This report presents data from the Annual Housing Survey, which was sponsored by the U.S. Department of Housing and Urban Development and conducted by the U.S. Bureau of the Census. It was prepared primarily under the direction of Duane T. McGough, Director, Housing and Demographic Analysis Division, Department of Housing and Urban Development, and Arthur F. Young, Chief, Housing Division, Bureau of the Census.

Duane T. McGough, assisted by Paul Burke, Connie Casey, and Kathryn Nelson was responsible for overseeing the Annual Housing Survey and the resultant report on behalf of the Department of Housing and Urban Development.

Within the Bureau of the Census, this report was developed in the Housing Division. It was prepared under the supervision of Leonard J. Norry, Assistant Division Chief, by Edward D. Montfort, Chief, Current Surveys Branch, assisted by Paul P. Harple, Jr., and Jane S. Maynard. Specific activities related to data collection procedures, statistical presentation, organization of the report, and preparation of text materials were performed by Edward Cary Bean, Jr., Walter L. Busse, Mary C. Carroll, Wallace Fraser, Sheryl H. Stein, Stuart M. Kaufman, Richard Kreinsen, Watson Pryor, Josephine Ruffin, Georgina Torres, Barbara Williams, and Elizabeth Williams. Important contributions were made by Elmo E. Beach in the planning and coordination of the survey.

The operational aspects of the Annual Housing Survey were coordinated by the Demographic Surveys Division, under the direction of Thomas C. Walsh, Chief, by B. Gregory Russell, Assistant Division Chief, and John C. Cannon, assisted by Maria A. Mochulski, Fabian Sanchez, and Helen S. Montagliani. Systems and processing procedures were performed under the direction of Barry M. Cohen, Assistant Division Chief. The computer programming and processing were performed under the supervision of D. Richard Bartlett, assisted by Peggy Goldsmith, Roger Cavanaugh, and Velma Banks. Angel Marshall, assisted by Larry Beasley, Robert Smith, Jr., Patricia Lauria, David Montgomery, Pauline Toth, and Carl D. Jablin, was responsible for the clerical and keying procedures.

The planning of the sample design, weighting, and computation of sampling variances and standard errors was developed in the Statistical Methods Division, under the supervision of Charles Jones, Chief, and Gary Shapiro, Assistant Division Chief, by Dennis Schwanz, Donald Luery, Hertz Huang, Austin Lin, and James Hartman. The implementation of the sample selection and computation of sampling variances was performed under the supervision of Robert T. O'Reagan, Assistant Division Chief, by Leonard Baer, Pat Wilson, Florence Abramson, David Diskin, Paul Pavnica, William Taylor, Robert Jewett, George Train, and Juanita Jones (Data Preparation Division, Jeffersonville, Ind.). The preparation of field sample control and reinterview procedures was performed under the supervision of Robert T. O'Reagan, by John Paletta and Fay Nash. Reinterview design and analysis were conducted under the supervision of Irwin Schreiner, by Dorcas Graham and Phillip Sanchez. An automated verification system for the data keying was developed under the direction of John S. Linebarger, by Marlene K. Altman and Angela-Jo Wetzel.

Data collection activities were administered by the Field Division, under the supervision of Lawrence T. Love, Acting Chief, by George T. Reiner, Assistant Division Chief, Howard C. Beattie, William J. Phalen, and John Godenick, as well as the Directors of the Bureau's regional offices.

Clerical processing of the questionnaires was performed in the Data Preparation Division, under the direction of Don L. Adams, Chief, by Patricia Clark and Kurt Legait.

Within the Publications Services Division, many individuals made significant contributions in the areas of publication planning and design, editorial review, composition, and printing procurement.

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U.S. Department of Housing and Urban Development, Sponsor

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Series H-150-81

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| B | Indicators of Housing and Neighborhood Quality by Financial Characteristics for the United States and Regions: 1981 |
| C | Financial Characteristics of the Housing Inventory for the United States and Regions: 1981 |
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## Table Finding Guide

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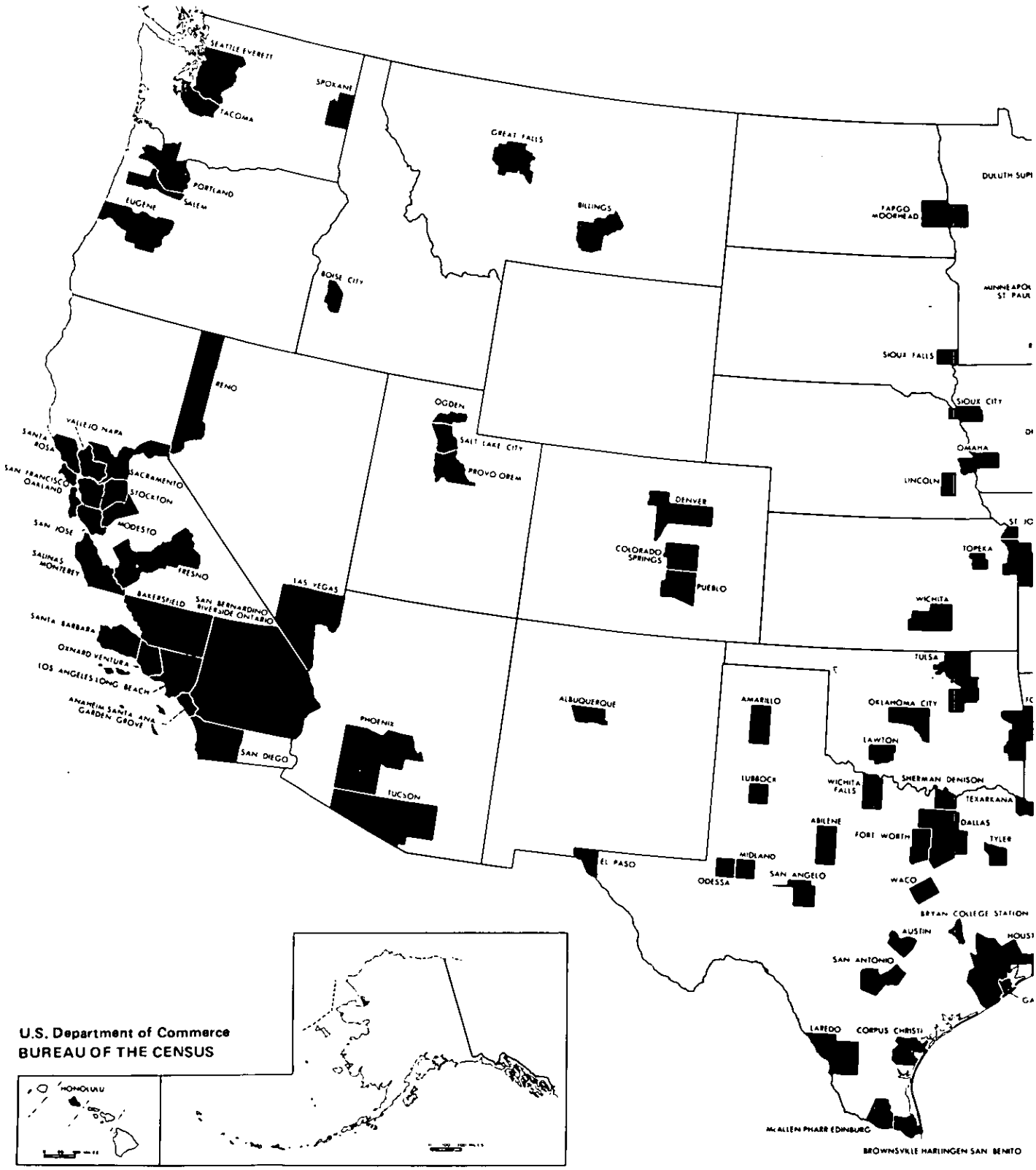
(Areas defined by the Office of Management and Budget as of February 1971)

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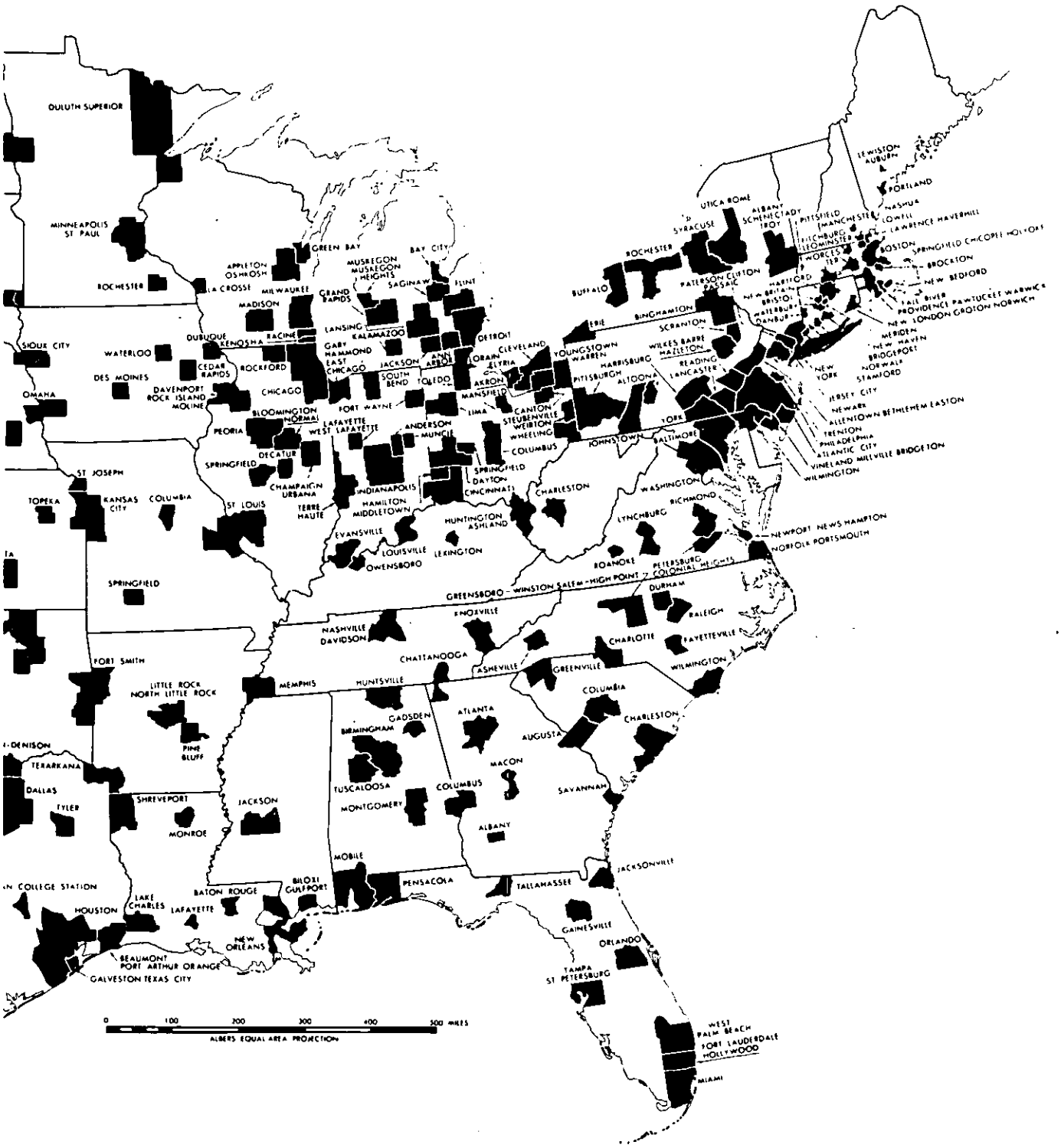
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MINNEAPOLIS ST PAUL
ROCHESTER
SIOUX CITY
WATERLOO
DES MOINES
OMAHA
DAVENPORT ROCK ISLAND MOLINE
CEDAR RAPIDS
ROCKFORD
DUBUQUE
KENOSHA
RACINE
MADISON
LA CROSSE
MILWAUKEE
APPLETON OSHKOSH
GREEN BAY
GRAND RAPIDS
MUSKEGON MUSKEGON HEIGHTS
BAY CITY
SAGINAW
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GARY HAMMOND EAST CHICAGO
CHICAGO
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ANN ARBOR
DETROIT
SOUTH BEND
TOLEDO
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AKRON
MANSFIELD
FORT WAYNE
LIMA
CANTON
STEUBENVILLE WEIRTON
WHEELING
BLOOMINGTON NORMAL
PEORIA
LAFAYETTE WEST LAFAYETTE
ANDERSON MUNCIE
DECATUR
SPRINGFIELD
COLUMBUS
SPRINGFIELD
DAYTON
CINCINNATI
ST JOSEPH
TOPEKA
KANSAS CITY
COLUMBIA
ST LOUIS
CHAMPAIGN URBANA
TERRE HAUTE
INDIANAPOLIS
HAMILTON MIDDLETOWN
EVANSVILLE
LOUISVILLE
LEXINGTON
OWENSBORO
HUNTINGTON ASHLAND
CHARLESTON
SPRINGFIELD
FORT SMITH
LITTLE ROCK NORTH LITTLE ROCK
PINE BLUFF
TEXARKANA
DALLAS
TYLER
SHREVEPORT
MONROE
JACKSON
MEMPHIS
NASHVILLE DAVIDSON
KNOXVILLE
CHATTANOOGA
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GADSDEN
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TUSCALOOSA
MONTGOMERY
MOBILE
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BATON ROUGE
LAKE CHARLES
LAFAYETTE
HOUSTON
COLLEGE STATION
NEW ORLEANS
BEAUMONT PORT ARTHUR ORANGE
GALVESTON TEXAS CITY
ATLANTA
MACON
COLUMBUS
ALBANY
AUGUSTA
SAVANNAH
PENSACOLA
TALLAHASSEE
JACKSONVILLE
GAINESVILLE
ORLANDO
TAMPA ST PETERSBURG
WEST PALM BEACH
FORT LAUDERDALE HOLLYWOOD
MIAMI
BUFFALO
ROCHESTER
SYRACUSE
UTICA ROME
ALBANY SCHENECTADY TROY
ERIE
BINGHAMTON
SCRANTON
YOUNGSTOWN WARREN
PITTSBURGH
HARRISBURG
WILKES BARRE HAZLETON
READING
LANCASTER
ALTOONA
YORK
JOHNSTOWN
BALTIMORE
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RICHMOND
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PETERSBURG COLONIAL HEIGHTS
NEWPORT NEWS HAMPTON
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GREENSBORO - WINSTON SALEM - HIGH POINT
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CHARLOTTE
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SPRINGFIELD CHICOPEE HOLYOKE
BROCKTON
NEW BEDFORD
FALL RIVER
PROVIDENCE PAWTUCKET WARWICK
NEW LONDON GROTON NORWICH
MERIDEN
NEW HAVEN
BRIDGEPORT
NORWALK
STAMFORD
NEW YORK
JERSEY CITY
NEWARK
ALLENTOWN BETHLEHEM EASTON
TRENTON
PHILADELPHIA
ATLANTIC CITY
VINELAND MILLVILLE BRIDGETON
WILMINGTON
LEWISTON AUBURN
PORTLAND
NASHUA
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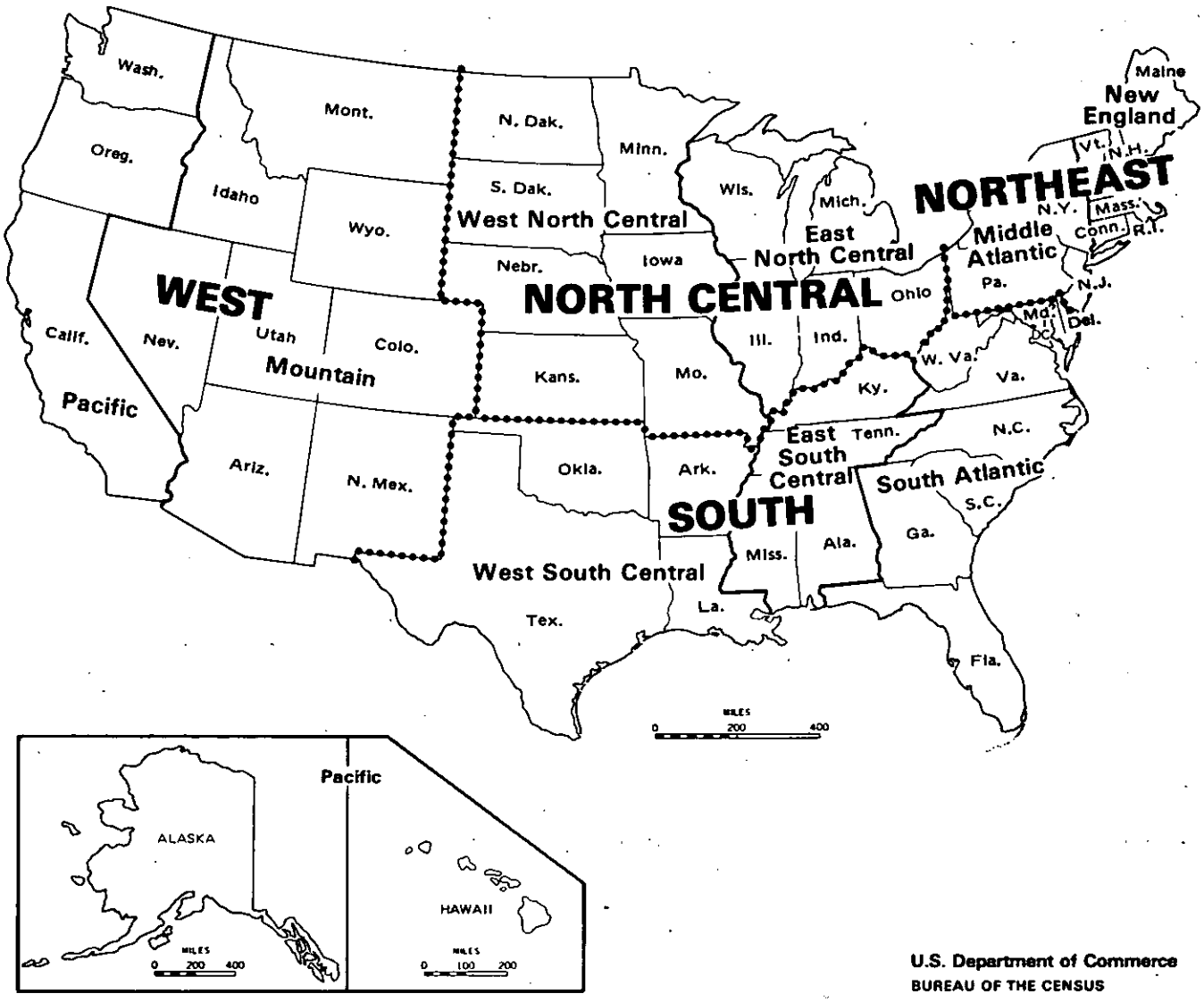
ALBERS EQUAL AREA PROJECTION

# Regions and Geographic Divisions of the United States

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# Introduction


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## GENERAL

This report presents statistics on energy-related housing characteristics from the 1981 Annual Housing Survey for the United States by inside and outside standard metropolitan statistical areas (SMSA's) and each of the four geographic regions.

The Annual Housing Survey was designed to provide a current series of information on the size and composition of the housing inventory, the characteristics of its occupants, the changes in the inventory resulting from new construction and from losses, the indicators of housing and neighborhood quality, the characteristics of recent movers, and the characteristics of urban and rural housing units. The survey, performed for the Department of Housing and Urban Development, is authorized under sections 501 and 502(d), 502(e), and 502(f) of the Housing and Urban Development Act of 1970, Title 12, United States Code 1701z-1 and 1701z-2. The Bureau of the Census is authorized under Title 31, United States Code 686, to perform special work or services for Federal agencies.

The statistics presented in this report are based on information from a sample of housing units. The information for the survey was collected by interviewers from September 1981 through December 1981.

This report series consists of six basic parts (see list on page III) issued jointly by the Department of Housing and Urban Development and the Bureau of the Census. Part A provides data on general housing characteristics, part B on indicators of housing and neighborhood quality cross-classified by financial characteristics, part C on financial characteristics, part D on recent mover households, part E on urban and rural housing characteristics, and part F on energy-related housing characteristics.

The content and procedures of the Annual Housing Survey were determined after consultation with a variety of users of housing data and through field pretesting. A large portion of the subjects covered in this report are the same as those collected in the 1970 Census of Housing; in general, these data are comparable to those shown in the 1970 census reports. In addition, a number of new items were introduced in this survey on subjects such as distance and travel time from home to work for the householder, storm windows and doors, insulation, breakdowns or failures in equipment, and the physical condition of the structure.

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233.

**Organization of the text**—The text consists of this introduction and appendixes A and B, which appear after the data tables. Appendix A describes the geographic area classifications, provides definitions and explanations of the subjects covered in this report, and contains a facsimile of the questionnaire. Appendix B presents information on sample design, estimation, and accuracy of the data.

**Content of the tables**—A series of standard tables presents simple distributions and cross-tabulations of the data for occupied housing units for each area shown in this report. The finding guide (following appendix B) lists the characteristics covered in this report and shows the tables in which the various types of statistics appear. The numbers presented in these tables are rounded to the nearest thousand. Table 1 presents characteristics for the United States by inside SMSA's, in/not in central cities, and outside SMSA's; table 2, characteristics for owner- and renter-occupied housing units by income of the

family or primary individual; table 3, characteristics for owner-occupied, one-unit structures by value of property; table 4, characteristics for renter-occupied housing units by gross rent; table 5, characteristics by housing units in structure; table 6, characteristics by number of rooms per housing unit; table 7, characteristics by the year the structure was built; table 8, characteristics by the monthly cost paid for electricity; table 9, characteristics by the monthly cost paid for gas; table 10, characteristics by the yearly cost paid for fuel oil, kerosene, coal, wood, etc.; table 11, the householder's principal means of transportation to work by distance and travel time to work.

The prefix letter "A" has been assigned to the tables for the United States as a whole, "B" to the Northeast Region, "C" to the North Central Region, "D" to the South Region, and "E" to the West Region.

**Sample size**—The statistics presented in this report are based on a sample of housing units and are, therefore, subject to sampling variability. The designated sample consisted of approximately 60,421 housing units located throughout the United States. The sample was selected from units enumerated in the 1970 census and updated to include units constructed since 1970. Detailed information on the sample design, size of sample, estimation procedure, and sampling variability associated with these data is given in appendix B.

**Derived figures (medians, etc.)**—Shown in this report are medians, means, and ratios. The median, which is a type of average, is the middle value in a distribution; i.e., the median divides the distribution into two equal parts—one-half the cases fall below the median and one-half the cases exceed the median. Derived figures are not presented (but indicated by three dots . . .) if there are less than 25 sample cases in the distribution or the base.

Medians for rooms and persons are rounded to the nearest tenth, for value and income to the nearest hundred dollars, and for rent and fuel costs to the nearest dollar. Travel time is rounded to the nearest minute, and distance from home to work is rounded to the nearest tenth of a mile. In computing medians for rooms and persons per housing unit, the whole number is used as the midpoint of the interval; for example, the category "4 rooms" is treated as an interval ranging from 3.5 up to 4.5 rooms. In computing median rent, units reported as "no cash rent" are excluded. The medians are generally computed on the basis of the distribution as shown in this report.

When the median falls in the lower terminal category of an open-ended distribution, the method of presentation is to show the initial value of the next category followed by a minus sign; for example, if the median falls in the category "Less than $3,000," it is shown as "$3,000–." When the median falls in the upper terminal category of an open-ended distribution, the method of presentation is to show the initial value of the terminal category followed by a plus sign; e.g., if the median falls in the category "$75,000 or more," it is shown as "$75,000+."

The medians and percents for 1981 are generally computed on the basis of the distributions as shown in the tables. As a result a median or percent for the same characteristic and universe may vary somewhat between tables. The medians and percents shown for 1970 are computed on the basis of distributions as tabulated in 1970, which are sometimes more detailed than the distributions shown in this report.

**Symbols**—A dash (–) signifies zero. Three dots (. . .) in a data column mean not applicable or that the base of a derived figure is too small for it to be shown.

**Boundaries**—The data shown in this report relate to the areas as defined for the 1970 census. See appendix A for a discussion of these areas. Additional information and definitions of the 1970 boundaries are given in the 1970 Population Census PC(1)-A reports.

**Other reports from the Annual Housing Survey**—In addition to the six basic reports in the Annual Housing Survey Series H-150, one or more supplementary reports (Series H-151) may be published for the United States.

A series of reports (H-170) similar to H-150 has been published for 60 selected SMSA's. Data for the SMSA's are based on an independent sample of the 60 SMSA's originally divided into groups of approximately 20 each, with a group interviewed every year on a rotating basis. These SMSA's are no longer surveyed according to the original groups. A listing of the SMSA's by the original groups is included in this introduction. The years for which reports are currently available for individual SMSA's are provided in this listing.

## ADDITIONAL DATA

**Unpublished tabulations**—A large number of tabulations, not included in the Annual Housing Survey published reports, have been prepared to meet special needs of both national (Series H-150 and H-151) and SMSA (Series H-170 and H-171) data users. These unpublished data are available in two forms. Paper photocopies are available for specific tables at the cost of reproduction. Microfiche copies of these unpublished data are also available. An index to the data available can be obtained free of charge. The unpublished index or data may be obtained by contacting the Housing Division, Bureau of the Census, Washington, D.C. 20233.

**Public-use computer tapes**—For the data users whose needs are not met by available tabulations, the Census Bureau also has available computerized microdata computer tapes (with individual respondent records) from both the SMSA and national samples. Except for names and addresses, the Annual Housing Survey microdata provide essentially all the information obtained from each occupied or vacant housing unit. The Census Bureau's confidentiality guidelines prescribe that individuals and specific addresses remain anonymous.

Confidentiality guidelines further prescribe that individual records cannot be associated with areas having fewer than 250,000 people based on 1970 census results. The national tapes identify the four census regions, each SMSA of 250,000 or

more population (central cities are also identified where possible), metropolitan/nonmetropolitan location, and urban/rural location. The SMSA tapes contain data from all SMSA samples except Saginaw, Mich., which contained less than the 250,000 required 1970 population. Central cities are identified for 42 of the 59 SMSA's.

Microdata computer tapes from the Annual Housing Survey are available on a cost-per-reel basis from the Data User Services Division, Customer Services (Tapes), Bureau of the Census, Washington, D.C. 20233.

**Microfiche of published reports**—Microfiche copies of national and SMSA published reports are available from Data User Services Division, Customer Services (Microfiche), Bureau of the Census, Washington, D.C. 20233.

## DATA COLLECTION PROCEDURES

The 1981 Annual Housing Survey was conducted by interviewers who obtained the information from the occupants, or, if the unit was vacant, from informed persons (landlords, rental agents, or knowledgeable neighbors). The information reported by the interviewer reflected the situation at the time of the survey, which began in September 1981 and extended through December 1981.

Data were collected for sample housing units located in the counties and independent cities that make up the 461 sample areas used in current surveys of the Census Bureau. A sample of housing units was selected in these areas from the 1970 census and updated by a sample of addresses from building permits to include housing units added since 1970. Estimates of the counts and characteristics of the 1981 inventory were obtained for these sample units.

A more detailed description of the survey design and sampling procedures can be found in appendix B.

## PROCESSING PROCEDURES

The questionnaires used for the 1981 Annual Housing Survey were of the conventional type on which the interviewer

**List of SMSA Reports From the Annual Housing Survey by Original Publication Groups**

| Group A | Years for which reports are published 19– | Group B | Years for which reports are published 19– | Group C | Years for which reports are published 19– |
|---|---|---|---|---|---|
| Albany-Schenectady-Troy, N.Y. | 74, 77 | Atlanta, Ga. | 75, 78 | Allentown-Bethlehem-Easton, Pa.-N.J. | 76 |
| Anaheim-Santa Ana-Garden Grove, Calif. | 74, 77 | Chicago, Ill. | 75, 79 | Baltimore, Md. | 76, 79 |
| Boston, Mass. | 74, 77 | Cincinnati, Ohio-Ky.-Ind. | 75, 78 | Birmingham, Ala. | 76 |
| Dallas, Tex. | 74, 77 | Colorado Springs, Colo. | 75, 78 | Buffalo, N.Y. | 76, 79 |
| Detroit, Mich. | 74, 77 | Columbus, Ohio | 75, 78 | Cleveland, Ohio | 76, 79 |
| Fort Worth, Tex. | 74, 77 | Hartford, Conn. | 75, 79 | Denver, Colo. | 76, 79 |
| Los Angeles-Long Beach, Calif. | 74, 77 | Kansas City, Mo.-Kans. | 75, 78 | Grand Rapids, Mich. | 76 |
| Madison, Wis.* | 75, 77 | Miami, Fla. | 75, 79 | Honolulu, Hawaii | 76, 79 |
| Memphis, Tenn.-Ark. | 74, 77 | Milwaukee, Wis. | 75, 79 | Houston, Tex. | 76, 79 |
| Minneapolis-St. Paul, Minn. | 74, 77 | New Orleans, La. | 75, 78 | Indianapolis, Ind. | 76 |
| Newark, N.J. | 74, 77 | Newport News-Hampton, Va. | 75, 78 | Las Vegas, Nev. | 76, 79 |
| Orlando, Fla. | 74, 77 | Paterson-Clifton-Passaic, N.J. | 75, 78 | Louisville, Ky.-Ind. | 76 |
| Phoenix, Ariz. | 74, 77 | Philadelphia, Pa.-N.J. | 75, 78 | New York, N.Y. | 76 |
| Pittsburgh, Pa. | 74, 77 | Portland, Oreg.-Wash. | 75, 79 | Oklahoma City, Okla. | 76 |
| Saginaw, Mich. | 74, 77 | Rochester, N.Y. | 75, 78 | Omaha, Nebr.-Iowa | 76, 79 |
| Salt Lake City, Utah | 74, 77 | San Antonio, Tex. | 75, 78 | Providence-Pawtucket-Warwick, R.I.-Mass. | 76 |
| Spokane, Wash. | 74, 77 | San Bernardino-Riverside-Ontario, Calif. | 75, 78 | Raleigh, N.C. | 76, 79 |
| Tacoma, Wash. | 74, 77 | San Diego, Calif. | 75, 78 | Sacramento, Calif. | 76 |
| Washington, D.C.-Md.-Va. | 74, 77 | San Francisco-Oakland, Calif. | 75, 78 | St. Louis, Mo.-Ill. | 76 |
| Wichita, Kans. | 74, 77 | Springfield-Chicopee-Holyoke, Mass.-Conn. | 75, 78 | Seattle-Everett, Wash. | 76, 79 |

*Included with Group B for the first interview.

recorded the information by marking a precoded check box or by writing in the entries. Census clerks edited and coded the questionnaires. The information from the questionnaires was data keyed directly to magnetic tape which was processed on the Census Bureau's computers through a number of editing and tabulating steps. A facsimile of the questionnaire appears in appendix A.

## QUALIFICATIONS OF THE DATA

Since the estimates in this report are based on a sample, they may differ somewhat from the figures that would have been obtained from a complete census, using the same questionnaires, instructions, and interviewers. Particular care should be exercised, therefore, in the interpretation of figures based on relatively small numbers of sample cases as well as small differences between figures. As in any survey work, the results are subject to errors of response and nonreporting and to sampling variability. For a further discussion of accuracy of the data, see appendix B.

The concepts and definitions of most of the items in this report are essentially the same as those used for the 1970 and 1980 censuses. The SMSA boundaries are the same as those in the 1970 census. For historical comparisons and boundary changes, refer to the census reports of 1960 and earlier.

In making comparisons between the 1981 survey and 1970 and 1980 Censuses of Housing results, differences in the data may reflect such factors as the use of direct interview for 1981 contrasted with the extensive use of self-enumeration in the censuses, the sample design, the estimation procedure used, the sampling variability of the estimates, and the processing procedures. See the section on "Comparability with 1970 Census of Housing data" and "Comparability with 1980 Census of Housing data," in appendix A for further discussion.

In addition, according to the 1970 Census Evaluation and Research Program, the 1970 count of 68.7 million housing units is understated by approximately 1.5 million units which were missed in the 1970 Census. See the section on "Estimates of Change in the Inventory" in the Summary of Findings, Series H-150-73A, *General Housing Characteristics* and Series PHC-E-5, *The Coverage of Housing in the 1970 Census,* for further discussion.

In making comparisons between the 1981 Annual Housing Survey and the 1973 through 1980 Annual Housing Surveys, differences in the data may reflect a weighting change from the 1970-based independent estimates to the 1980-based estimates. See the section "Comparability with 1973 through 1980 Annual Housing Surveys," in appendix A for further discussion.

Statistics on value, rent, and income for both 1970 and 1981 are measured in current dollars (the value at the time the data were collected). Therefore, a significant part of the increase between 1970 and 1981 reflects the 142.4 percent rise in the cost of living during the 11½ year period, as measured by the Consumer Price Index, as well as changes in the housing inventory.

In this report, statistics on income relate to the income of the family or primary individual. Therefore, no data are provided on household income; i.e., income of persons unrelated to the householder is excluded.

Statistics for some of the characteristics shown in this report are based on restricted universes and, therefore, care should be exercised in relating the statistics for one characteristic to another. For example, value is restricted to owner-occupied, one-unit structures on less than 10 acres having no business on the property, and gross rent is restricted to renter-occupied units excluding one-unit structures on 10 acres or more. Therefore, the totals for owner-occupied units in the "value" universe and for renter-occupied units in the "gross rent" universe do not agree with the totals for some of the income universes.

Care should be exercised in the interpretation of differences in the estimated counts of Spanish-origin households between 1970 and 1980. Research indicates that 1970 estimates of Spanish-origin households may be significantly overstated in the South Region and North Central Region. Apparently some respondents in the 1970 census misinterpreted the Spanish-origin category "Central or South American" to mean the central or southern part of the United States. The method of data collection used in the Annual Housing Survey; i.e., personal interviews conducted by trained interviewers, would tend to prevent the reoccurrence of this 1970 census classification error. In addition, differences between the two sets of data may reflect factors such as the sampling variability of both the 1970 estimates from the 5-percent census sample and the 1981 estimates from the Annual Housing Survey sample, as well as the estimation and processing procedures used.

Beginning in 1980, data on household composition and characteristics of the householder should be compared with caution to the data on household composition and characteristics of the head published in 1979 and previous years (see definition of householder in appendix A), because of the change in concept from head of household to householder. In addition, improvements have been made to both the clerical and computer edit procedures. Although these improvements result in more accurate estimates, direct comparisons of types of households beginning in 1980 with similar categories in 1979 and previous years should be made with caution. These changes do not affect the data for one-person households.

See appendix A for a more detailed discussion of the definitions and qualifications of all items in this report.

TABLE A-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 56 681 | 24 678 | 32 003 | 26 494 |
| HOUSE HEATING FUEL | | | | | |
| OWNER OCCUPIED | 54 342 | 34 788 | 12 214 | 22 574 | 19 555 |
| UTILITY GAS | 30 796 | 22 496 | 9 028 | 13 468 | 8 300 |
| BOTTLED, TANK, OR LP GAS | 3 283 | 830 | 72 | 758 | 2 453 |
| FUEL OIL | 9 025 | 5 879 | 1 667 | 4 212 | 3 146 |
| KEROSENE, ETC | 281 | 89 | 30 | 59 | 191 |
| ELECTRICITY | 9 132 | 4 883 | 1 282 | 3 601 | 4 250 |
| COAL OR COKE | 250 | 108 | 21 | 87 | 142 |
| WOOD | 1 328 | 299 | 33 | 267 | 1 029 |
| SOLAR HEAT | 13 | 10 | - | 10 | 3 |
| OTHER FUEL | 21 | 7 | 2 | 5 | 14 |
| NONE | 213 | 187 | 79 | 108 | 27 |
| RENTER OCCUPIED | 28 833 | 21 893 | 12 464 | 9 429 | 6 940 |
| UTILITY GAS | 15 287 | 12 030 | 6 969 | 5 061 | 3 258 |
| BOTTLED, TANK, OR LP GAS | 882 | 257 | 58 | 199 | 625 |
| FUEL OIL | 5 100 | 4 182 | 2 704 | 1 478 | 918 |
| KEROSENE, ETC | 88 | 26 | 3 | 23 | 61 |
| ELECTRICITY | 6 354 | 4 831 | 2 473 | 2 358 | 1 523 |
| COAL OR COKE | 111 | 44 | 14 | 30 | 68 |
| WOOD | 566 | 130 | 33 | 97 | 436 |
| SOLAR HEAT | 5 | 3 | 2 | 1 | 2 |
| OTHER FUEL | 63 | 55 | 52 | 3 | 8 |
| NONE | 376 | 335 | 157 | 178 | 41 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 29 095 | 10 081 | 19 014 | 14 198 |
| ELECTRICITY PAID FOR | 43 261 | 29 080 | 10 074 | 19 006 | 14 181 |
| LESS THAN $10 | 271 | 188 | 93 | 96 | 83 |
| $10 TO $19 | 2 711 | 1 835 | 813 | 1 022 | 876 |
| $20 TO $29 | 6 205 | 4 153 | 1 661 | 2 493 | 2 052 |
| $30 TO $39 | 7 763 | 5 258 | 1 890 | 3 368 | 2 505 |
| $40 TO $49 | 6 095 | 4 188 | 1 386 | 2 801 | 1 908 |
| $50 TO $59 | 5 603 | 3 766 | 1 237 | 2 528 | 1 838 |
| $60 TO $79 | 6 705 | 4 399 | 1 446 | 2 953 | 2 306 |
| $80 TO $99 | 3 003 | 1 950 | 605 | 1 345 | 1 053 |
| $100 TO $149 | 3 617 | 2 456 | 670 | 1 786 | 1 162 |
| $150 OR MORE | 1 287 | 887 | 273 | 614 | 400 |
| MEDIAN | 47 | 47 | 44 | 48 | 47 |
| NO ELECTRICITY USED | 32 | 16 | 8 | 8 | 17 |
| SPECIFIED RENTER OCCUPIED[2] | 28 123 | 21 717 | 12 459 | 9 258 | 6 406 |
| ELECTRICITY PAID FOR | 22 799 | 17 427 | 9 604 | 7 823 | 5 373 |
| LESS THAN $10 | 1 240 | 1 063 | 593 | 469 | 178 |
| $10 TO $19 | 4 975 | 4 046 | 2 221 | 1 825 | 929 |
| $20 TO $29 | 5 165 | 4 004 | 2 330 | 1 674 | 1 162 |
| $30 TO $39 | 3 909 | 2 943 | 1 654 | 1 289 | 967 |
| $40 TO $49 | 2 330 | 1 638 | 926 | 712 | 692 |
| $50 TO $59 | 1 796 | 1 259 | 682 | 577 | 537 |
| $60 TO $79 | 1 843 | 1 328 | 673 | 655 | 515 |
| $80 TO $99 | 631 | 471 | 208 | 262 | 160 |
| $100 TO $149 | 645 | 471 | 207 | 264 | 175 |
| $150 OR MORE | 264 | 207 | 109 | 98 | 57 |
| MEDIAN | 30 | 28 | 28 | 29 | 34 |
| INCLUDED IN RENT | 5 247 | 4 235 | 2 819 | 1 416 | 1 012 |
| NO ELECTRICITY USED | 77 | 55 | 37 | 18 | 21 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 29 095 | 10 081 | 19 014 | 14 198 |
| GAS PAID FOR | 32 227 | 22 905 | 8 775 | 14 130 | 9 321 |
| LESS THAN $10 | 1 353 | 913 | 383 | 530 | 439 |
| $10 TO $14 | 1 922 | 1 374 | 526 | 848 | 548 |
| $15 TO $19 | 2 057 | 1 569 | 706 | 863 | 488 |
| $20 TO $24 | 2 671 | 1 933 | 825 | 1 108 | 738 |
| $25 TO $29 | 2 620 | 1 721 | 730 | 991 | 899 |
| $30 TO $39 | 5 373 | 3 750 | 1 512 | 2 239 | 1 622 |
| $40 TO $49 | 4 636 | 3 259 | 1 195 | 2 065 | 1 377 |
| $50 TO $69 | 6 958 | 4 957 | 1 689 | 3 269 | 2 001 |
| $70 TO $99 | 3 174 | 2 349 | 853 | 1 496 | 825 |
| $100 OR MORE | 1 464 | 1 080 | 357 | 723 | 384 |
| MEDIAN | 40 | 41 | 37 | 42 | 39 |
| NO GAS USED | 11 066 | 6 190 | 1 306 | 4 884 | 4 877 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE A-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 21 717 | 12 459 | 9 258 | 6 406 |
| GAS PAID FOR | 13 842 | 10 691 | 6 408 | 4 283 | 3 150 |
| LESS THAN $10 | 2 694 | 2 364 | 1 494 | 870 | 330 |
| $10 TO $14 | 2 168 | 1 778 | 1 081 | 697 | 390 |
| $15 TO $19 | 1 567 | 1 245 | 703 | 541 | 322 |
| $20 TO $24 | 1 354 | 1 033 | 592 | 441 | 321 |
| $25 TO $29 | 1 026 | 702 | 434 | 268 | 324 |
| $30 TO $39 | 1 642 | 1 175 | 694 | 481 | 468 |
| $40 TO $49 | 1 105 | 762 | 404 | 359 | 343 |
| $50 TO $69 | 1 358 | 967 | 581 | 386 | 391 |
| $70 TO $99 | 614 | 435 | 289 | 146 | 178 |
| $100 OR MORE | 313 | 230 | 136 | 94 | 83 |
| MEDIAN | 21 | 19 | 19 | 20 | 28 |
| INCLUDED IN RENT | 7 840 | 6 416 | 3 851 | 2 564 | 1 424 |
| NO GAS USED | 6 442 | 4 610 | 2 200 | 2 411 | 1 832 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 43 293 | 29 095 | 10 081 | 19 014 | 14 198 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 10 705 | 6 890 | 1 775 | 5 114 | 3 815 |
| LESS THAN $100 | 1 555 | 1 052 | 334 | 718 | 503 |
| $100 TO $199 | 1 399 | 822 | 265 | 558 | 576 |
| $200 TO $299 | 785 | 392 | 111 | 282 | 393 |
| $300 TO $399 | 650 | 362 | 98 | 264 | 288 |
| $400 TO $499 | 610 | 332 | 110 | 222 | 278 |
| $500 TO $599 | 672 | 371 | 102 | 269 | 301 |
| $600 TO $699 | 783 | 474 | 111 | 363 | 309 |
| $700 TO $799 | 584 | 388 | 89 | 299 | 196 |
| $800 OR MORE | 3 667 | 2 695 | 555 | 2 140 | 971 |
| MEDIAN | 552 | 624 | 472 | 667 | 453 |
| FUELS NOT USED OR FREE | 32 588 | 22 206 | 8 306 | 13 900 | 10 383 |
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 21 717 | 12 459 | 9 258 | 6 406 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 231 | 1 251 | 504 | 747 | 980 |
| LESS THAN $100 | 400 | 260 | 138 | 122 | 140 |
| $100 TO $199 | 277 | 127 | 47 | 79 | 150 |
| $200 TO $299 | 200 | 79 | 24 | 55 | 121 |
| $300 TO $399 | 166 | 75 | 35 | 40 | 91 |
| $400 TO $499 | 197 | 113 | 40 | 73 | 84 |
| $500 TO $599 | 148 | 77 | 32 | 46 | 71 |
| $600 TO $699 | 188 | 104 | 44 | 60 | 84 |
| $700 TO $799 | 103 | 52 | 12 | 40 | 51 |
| $800 OR MORE | 552 | 364 | 132 | 232 | 188 |
| MEDIAN | 437 | 475 | 419 | 509 | 386 |
| INCLUDED IN RENT | 5 187 | 4 573 | 3 190 | 1 384 | 614 |
| FUELS NOT USED OR FREE | 20 705 | 15 893 | 8 766 | 7 127 | 4 812 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 56 681 | 24 678 | 32 003 | 26 494 |
| HEATING EQUIPMENT | | | | | |
| OWNER OCCUPIED | 54 342 | 34 788 | 12 214 | 22 574 | 19 555 |
| WARM-AIR FURNACE | 32 059 | 22 002 | 7 559 | 14 442 | 10 057 |
| HEAT PUMP | 1 601 | 1 111 | 160 | 951 | 490 |
| STEAM OR HOT WATER | 7 014 | 5 554 | 2 057 | 3 497 | 1 461 |
| BUILT-IN ELECTRIC UNITS | 3 149 | 1 396 | 417 | 979 | 1 753 |
| FLOOR, WALL, OR PIPELESS FURNACE | 3 324 | 2 173 | 1 076 | 1 097 | 1 152 |
| ROOM HEATERS WITH FLUE | 1 976 | 793 | 344 | 448 | 1 184 |
| ROOM HEATERS WITHOUT FLUE | 1 643 | 649 | 339 | 310 | 994 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 3 363 | 924 | 182 | 742 | 2 439 |
| NONE | 213 | 187 | 79 | 108 | 27 |
| RENTER OCCUPIED | 28 833 | 21 893 | 12 464 | 9 429 | 6 940 |
| WARM-AIR FURNACE | 10 885 | 8 364 | 4 324 | 4 040 | 2 521 |
| HEAT PUMP | 411 | 333 | 113 | 221 | 77 |
| STEAM OR HOT WATER | 6 789 | 6 090 | 4 186 | 1 904 | 698 |
| BUILT-IN ELECTRIC UNITS | 3 097 | 2 238 | 1 123 | 1 115 | 859 |
| FLOOR, WALL, OR PIPELESS FURNACE | 3 021 | 2 428 | 1 291 | 1 138 | 593 |
| ROOM HEATERS WITH FLUE | 1 743 | 1 024 | 634 | 391 | 719 |
| ROOM HEATERS WITHOUT FLUE | 1 268 | 636 | 444 | 192 | 632 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 244 | 445 | 195 | 250 | 799 |
| NONE | 376 | 335 | 157 | 178 | 41 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE A-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 56 681 | 24 678 | 32 003 | 26 494 |
| UNITS OCCUPIED LAST WINTER | 70 933 | 47 963 | 20 412 | 27 551 | 22 970 |
| INSUFFICIENT HEAT | | | | | |
| CLOSURE OF ROOMS: | | | | | |
| OWNER OCCUPIED | 51 475 | 32 988 | 11 656 | 21 332 | 18 487 |
| WITH HEATING EQUIPMENT | 51 282 | 32 810 | 11 581 | 21 230 | 18 471 |
| NO ROOMS CLOSED | 48 972 | 31 565 | 11 097 | 20 469 | 17 406 |
| CLOSED CERTAIN ROOMS | 1 732 | 691 | 339 | 553 | 841 |
| LIVING ROOM ONLY | 53 | 28 | 11 | 17 | 25 |
| DINING ROOM ONLY | 19 | 13 | - | 13 | 5 |
| 1 OR MORE BEDROOMS ONLY | 1 176 | 553 | 197 | 356 | 623 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 454 | 277 | 121 | 156 | 177 |
| NOT REPORTED | 30 | 20 | 9 | 10 | 10 |
| NOT REPORTED | 578 | 353 | 145 | 208 | 224 |
| NO HEATING EQUIPMENT | 193 | 178 | 75 | 102 | 15 |
| RENTER OCCUPIED | 19 458 | 14 975 | 8 756 | 6 219 | 4 484 |
| WITH HEATING EQUIPMENT | 19 204 | 14 743 | 8 641 | 6 102 | 4 461 |
| NO ROOMS CLOSED | 17 652 | 13 697 | 7 977 | 5 720 | 3 955 |
| CLOSED CERTAIN ROOMS | 1 205 | 785 | 514 | 271 | 420 |
| LIVING ROOM ONLY | 79 | 68 | 51 | 17 | 11 |
| DINING ROOM ONLY | 12 | 12 | 10 | 2 | - |
| 1 OR MORE BEDROOMS ONLY | 745 | 468 | 305 | 163 | 276 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 348 | 223 | 143 | 81 | 124 |
| NOT REPORTED | 21 | 13 | 5 | 8 | 8 |
| NOT REPORTED | 347 | 261 | 150 | 111 | 86 |
| NO HEATING EQUIPMENT | 254 | 231 | 114 | 117 | 23 |
| ADDITIONAL HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 51 475 | 32 988 | 11 656 | 21 332 | 18 487 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 31 302 | 11 088 | 20 215 | 15 180 |
| NO ADDITIONAL HEAT SOURCE USED | 42 580 | 28 727 | 10 125 | 18 602 | 13 853 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 3 055 | 2 043 | 748 | 1 295 | 1 013 |
| NOT REPORTED | 847 | 533 | 215 | 318 | 314 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 1 686 | 568 | 1 118 | 3 307 |
| RENTER OCCUPIED | 19 458 | 14 975 | 8 756 | 6 219 | 4 484 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 13 965 | 8 165 | 5 800 | 3 425 |
| NO ADDITIONAL HEAT SOURCE USED | 14 611 | 11 664 | 6 610 | 5 055 | 2 947 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 2 329 | 1 961 | 1 358 | 602 | 368 |
| NOT REPORTED | 451 | 340 | 197 | 143 | 110 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 1 009 | 591 | 419 | 1 059 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 51 475 | 32 988 | 11 656 | 21 332 | 18 487 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 31 302 | 11 088 | 20 215 | 15 180 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 37 715 | 26 235 | 8 906 | 17 329 | 11 480 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 7 891 | 4 536 | 1 955 | 2 581 | 3 354 |
| 1 ROOM | 2 411 | 1 511 | 586 | 925 | 900 |
| 2 ROOMS | 1 944 | 1 091 | 521 | 570 | 853 |
| 3 ROOMS OR MORE | 3 536 | 1 934 | 848 | 1 087 | 1 601 |
| NOT REPORTED | 876 | 531 | 227 | 304 | 345 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 1 686 | 568 | 1 118 | 3 307 |
| RENTER OCCUPIED | 19 458 | 14 975 | 8 756 | 6 219 | 4 484 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 13 965 | 8 165 | 5 800 | 3 425 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 13 405 | 11 026 | 6 506 | 4 520 | 2 379 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 523 | 2 598 | 1 464 | 1 133 | 925 |
| 1 ROOM | 1 210 | 969 | 599 | 369 | 241 |
| 2 ROOMS | 1 134 | 840 | 441 | 399 | 294 |
| 3 ROOMS OR MORE | 1 180 | 789 | 424 | 365 | 391 |
| NOT REPORTED | 462 | 341 | 194 | 147 | 121 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 1 009 | 591 | 419 | 1 059 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | |
| OWNER OCCUPIED | 51 475 | 32 988 | 11 656 | 21 332 | 18 487 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 31 302 | 11 088 | 20 215 | 15 180 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 1 686 | 568 | 1 118 | 3 307 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 4 031 | 1 348 | 457 | 891 | 2 683 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 418 | 131 | 50 | 81 | 287 |
| NOT REPORTED | 544 | 206 | 61 | 146 | 337 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE A-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD--CONTINUED | | | | | |
| RENTER OCCUPIED | 19 458 | 14 975 | 8 756 | 6 219 | 4 484 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 13 965 | 8 165 | 5 800 | 3 425 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 1 009 | 591 | 419 | 1 059 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 472 | 712 | 417 | 294 | 760 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 401 | 195 | 118 | 77 | 207 |
| NOT REPORTED | 195 | 103 | 56 | 47 | 92 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 56 681 | 24 678 | 32 003 | 26 494 |
| AIR CONDITIONING | | | | | |
| OWNER OCCUPIED | 54 342 | 34 788 | 12 214 | 22 574 | 19 555 |
| WITH AIR CONDITIONING | 33 249 | 21 996 | 7 834 | 14 162 | 11 253 |
| ROOM UNITS | 16 377 | 10 273 | 4 212 | 6 061 | 6 104 |
| 1 | 9 845 | 5 711 | 2 192 | 3 519 | 4 134 |
| 2 | 4 625 | 3 085 | 1 371 | 1 715 | 1 540 |
| 3 | 1 345 | 1 054 | 460 | 594 | 291 |
| 4 | 389 | 285 | 129 | 157 | 104 |
| 5 OR MORE | 173 | 137 | 59 | 78 | 36 |
| CENTRAL SYSTEM | 16 872 | 11 723 | 3 622 | 8 101 | 5 149 |
| WITH NO AIR CONDITIONING | 21 093 | 12 792 | 4 380 | 8 412 | 8 301 |
| RENTER OCCUPIED | 28 833 | 21 893 | 12 464 | 9 429 | 6 940 |
| WITH AIR CONDITIONING | 14 221 | 11 153 | 5 846 | 5 307 | 3 067 |
| ROOM UNITS | 8 244 | 6 249 | 3 413 | 2 836 | 1 995 |
| 1 | 6 325 | 4 702 | 2 573 | 2 128 | 1 624 |
| 2 | 1 631 | 1 309 | 694 | 615 | 322 |
| 3 | 233 | 194 | 115 | 79 | 38 |
| 4 | 40 | 34 | 24 | 10 | 7 |
| 5 OR MORE | 15 | 10 | 7 | 3 | 5 |
| CENTRAL SYSTEM | 5 976 | 4 904 | 2 433 | 2 471 | 1 072 |
| WITH NO AIR CONDITIONING | 14 612 | 10 740 | 6 619 | 4 121 | 3 872 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | |
| OWNER OCCUPIED | 37 175 | 24 539 | 8 074 | 16 465 | 12 636 |
| DRIVES SELF | 27 296 | 18 647 | 6 002 | 12 645 | 8 649 |
| CARPOOL | 6 297 | 3 704 | 1 106 | 2 598 | 2 593 |
| MASS TRANSPORTATION | 1 193 | 1 124 | 584 | 540 | 68 |
| BICYCLE, MOTORCYCLE, OR MOPED | 356 | 238 | 81 | 157 | 117 |
| TAXICAB | 11 | 5 | 4 | 2 | 5 |
| WALKS ONLY | 824 | 388 | 186 | 203 | 436 |
| OTHER MEANS | 120 | 51 | 12 | 38 | 69 |
| WORKS AT HOME | 1 080 | 381 | 100 | 282 | 693 |
| RENTER OCCUPIED | 18 924 | 14 462 | 7 706 | 6 756 | 4 462 |
| DRIVES SELF | 11 573 | 8 763 | 4 059 | 4 704 | 2 810 |
| CARPOOL | 3 190 | 2 241 | 1 092 | 1 149 | 949 |
| MASS TRANSPORTATION | 2 059 | 2 014 | 1 633 | 380 | 46 |
| BICYCLE, MOTORCYCLE, OR MOPED | 318 | 239 | 137 | 102 | 79 |
| TAXICAB | 84 | 70 | 64 | 6 | 14 |
| WALKS ONLY | 1 267 | 908 | 605 | 302 | 359 |
| OTHER MEANS | 37 | 17 | 10 | 7 | 20 |
| WORKS AT HOME | 396 | 210 | 106 | 104 | 186 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[2] | | | | | |
| OWNER OCCUPIED | 37 175 | 24 539 | 8 074 | 16 465 | 12 636 |
| HOUSEHOLDER DRIVES ALONE | 27 296 | 18 647 | 6 002 | 12 645 | 8 649 |
| IRREGULAR OR UNUSUAL WORK HOURS | 8 719 | 6 174 | 1 887 | 4 287 | 2 546 |
| IRREGULAR WORK LOCATION | 1 958 | 1 322 | 429 | 893 | 636 |
| CAR NEEDED FOR WORK OR ERRANDS | 4 443 | 3 114 | 1 137 | 1 977 | 1 329 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 6 867 | 4 465 | 1 336 | 3 129 | 2 402 |
| LIKES PRIVACY | 1 342 | 928 | 373 | 555 | 414 |
| OUT OF THE WAY TO PICK UP OTHERS | 1 295 | 822 | 274 | 548 | 473 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 276 | 194 | 60 | 134 | 82 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 580 | 407 | 133 | 275 | 172 |
| DOESN'T TRUST OTHERS DRIVING | 27 | 20 | 10 | 10 | 7 |
| SOME OTHER REASON | 1 655 | 1 104 | 337 | 767 | 551 |
| NOT REPORTED | 135 | 97 | 27 | 70 | 38 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 9 879 | 5 892 | 2 072 | 3 820 | 3 987 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE A-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1]--CON. | | | | | |
| RENTER OCCUPIED | 18 924 | 14 462 | 7 706 | 6 756 | 4 462 |
| HOUSEHOLDER DRIVES ALONE | 11 573 | 8 763 | 4 059 | 4 704 | 2 810 |
| IRREGULAR OR UNUSUAL WORK HOURS | 3 582 | 2 731 | 1 191 | 1 540 | 851 |
| IRREGULAR WORK LOCATION | 688 | 527 | 239 | 289 | 161 |
| CAR NEEDED FOR WORK OR ERRANDS | 1 652 | 1 243 | 593 | 649 | 409 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 3 233 | 2 411 | 1 112 | 1 298 | 822 |
| LIKES PRIVACY | 728 | 600 | 310 | 290 | 127 |
| OUT OF THE WAY TO PICK UP OTHERS | 530 | 381 | 192 | 189 | 149 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 146 | 115 | 68 | 47 | 33 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 328 | 228 | 92 | 137 | 99 |
| DOESN'T TRUST OTHERS DRIVING | 34 | 31 | 18 | 13 | 4 |
| SOME OTHER REASON | 588 | 453 | 221 | 231 | 135 |
| NOT REPORTED | 62 | 44 | 24 | 20 | 18 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 7 351 | 5 699 | 3 648 | 2 051 | 1 652 |
| DISTANCE FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 37 175 | 24 539 | 8 074 | 16 465 | 12 636 |
| LESS THAN 1 MILE | 2 435 | 1 099 | 402 | 698 | 1 336 |
| 1 TO 4 MILES | 7 385 | 4 506 | 2 041 | 2 466 | 2 879 |
| 5 TO 9 MILES | 7 187 | 5 223 | 2 065 | 3 157 | 1 964 |
| 10 TO 19 MILES | 8 102 | 6 145 | 1 714 | 4 431 | 1 957 |
| 20 TO 29 MILES | 3 362 | 2 372 | 477 | 1 895 | 989 |
| 30 TO 49 MILES | 2 119 | 1 247 | 205 | 1 042 | 871 |
| 50 MILES OR MORE | 679 | 328 | 65 | 262 | 351 |
| WORKS AT HOME | 1 080 | 381 | 100 | 282 | 698 |
| NO FIXED PLACE OF WORK | 4 828 | 3 237 | 1 005 | 2 233 | 1 591 |
| MEDIAN | 9.0 | 9.6 | 7.5 | 11.5 | 7.4 |
| RENTER OCCUPIED | 18 924 | 14 462 | 7 706 | 6 756 | 4 462 |
| LESS THAN 1 MILE | 2 087 | 1 311 | 786 | 525 | 777 |
| 1 TO 4 MILES | 4 871 | 3 627 | 2 279 | 1 348 | 1 244 |
| 5 TO 9 MILES | 3 787 | 3 168 | 1 730 | 1 438 | 619 |
| 10 TO 19 MILES | 3 800 | 3 207 | 1 468 | 1 739 | 592 |
| 20 TO 29 MILES | 1 199 | 959 | 423 | 537 | 239 |
| 30 TO 49 MILES | 626 | 430 | 140 | 291 | 196 |
| 50 MILES OR MORE | 215 | 97 | 44 | 53 | 117 |
| WORKS AT HOME | 396 | 210 | 106 | 104 | 186 |
| NO FIXED PLACE OF WORK | 1 944 | 1 453 | 731 | 722 | 491 |
| MEDIAN | 6.8 | 7.3 | 6.1 | 8.8 | 4.6 |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 37 175 | 24 539 | 8 074 | 16 465 | 12 636 |
| LESS THAN 15 MINUTES | 10 819 | 6 209 | 2 380 | 3 829 | 4 610 |
| 15 TO 29 MINUTES | 11 666 | 8 458 | 2 951 | 5 506 | 3 208 |
| 30 TO 44 MINUTES | 5 133 | 3 776 | 1 003 | 2 773 | 1 357 |
| 45 TO 59 MINUTES | 1 930 | 1 353 | 338 | 1 015 | 577 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 1 280 | 857 | 216 | 641 | 423 |
| 1 HOUR AND 30 MINUTES OR MORE | 440 | 268 | 81 | 187 | 172 |
| WORKS AT HOME | 1 080 | 381 | 100 | 282 | 696 |
| NO FIXED PLACE OF WORK | 4 828 | 3 237 | 1 005 | 2 233 | 1 591 |
| MEDIAN | 21.2 | 22.5 | 20.6 | 23.6 | 17.6 |
| RENTER OCCUPIED | 18 924 | 14 462 | 7 706 | 6 756 | 4 462 |
| LESS THAN 15 MINUTES | 6 304 | 4 264 | 2 280 | 1 984 | 2 040 |
| 15 TO 29 MINUTES | 6 090 | 5 017 | 2 628 | 2 389 | 1 074 |
| 30 TO 44 MINUTES | 2 441 | 2 071 | 1 091 | 980 | 369 |
| 45 TO 59 MINUTES | 851 | 700 | 381 | 318 | 152 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 677 | 578 | 372 | 206 | 99 |
| 1 HOUR AND 30 MINUTES OR MORE | 221 | 171 | 117 | 53 | 51 |
| WORKS AT HOME | 396 | 210 | 106 | 104 | 186 |
| NO FIXED PLACE OF WORK | 1 944 | 1 453 | 731 | 722 | 491 |
| MEDIAN | 19.9 | 21.4 | 21.6 | 21.2 | 15.0- |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE A-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 83 175 | 4 151 | 11 908 | 7 754 | 12 549 | 10 561 | 9 367 | 12 737 | 8 687 | 3 907 | 1 556 | 17500 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OWNER OCCUPIED | 54 342 | 1 867 | 5 375 | 4 069 | 6 838 | 6 650 | 6 592 | 10 238 | 7 672 | 3 610 | 1 431 | 21800 |
| UTILITY GAS | 30 796 | 1 009 | 2 896 | 2 179 | 3 679 | 3 633 | 3 645 | 5 970 | 4 751 | 2 204 | 831 | 22700 |
| BOTTLED, TANK, OR LP GAS | 3 283 | 196 | 577 | 398 | 540 | 472 | 367 | 425 | 172 | 106 | 31 | 14400 |
| FUEL OIL | 9 025 | 287 | 963 | 701 | 1 202 | 1 126 | 1 153 | 1 599 | 1 196 | 559 | 240 | 21000 |
| KEROSENE, ETC | 281 | 23 | 51 | 30 | 59 | 36 | 34 | 37 | 6 | 6 | - | 13100 |
| ELECTRICITY | 9 132 | 242 | 656 | 583 | 1 059 | 1 138 | 1 169 | 1 923 | 1 383 | 666 | 313 | 23800 |
| COAL OR COKE | 250 | 19 | 37 | 44 | 47 | 29 | 23 | 30 | 14 | 7 | - | 12600 |
| WOOD | 1 328 | 91 | 176 | 115 | 220 | 192 | 166 | 212 | 106 | 41 | 10 | 16600 |
| SOLAR HEAT | 13 | - | - | - | 3 | - | 3 | 1 | 4 | 2 | - | ... |
| OTHER FUEL | 21 | - | 5 | - | 2 | 2 | 5 | 4 | 3 | - | - | ... |
| NONE | 213 | - | 15 | 20 | 27 | 24 | 27 | 37 | 37 | 20 | 6 | 23900 |
| RENTER OCCUPIED | 28 833 | 2 284 | 6 532 | 3 685 | 5 711 | 3 911 | 2 775 | 2 499 | 1 015 | 297 | 124 | 11700 |
| UTILITY GAS | 15 287 | 1 321 | 3 587 | 2 071 | 2 982 | 2 006 | 1 368 | 1 246 | 520 | 131 | 56 | 11100 |
| BOTTLED, TANK, OR LP GAS | 882 | 95 | 195 | 132 | 177 | 118 | 94 | 41 | 23 | 7 | 1 | 10500 |
| FUEL OIL | 5 100 | 314 | 1 181 | 598 | 1 033 | 706 | 505 | 469 | 194 | 70 | 29 | 12200 |
| KEROSENE, ETC | 88 | 6 | 32 | 13 | 17 | 10 | 9 | 1 | - | - | - | 8500 |
| ELECTRICITY | 6 354 | 417 | 1 186 | 720 | 1 306 | 959 | 715 | 682 | 248 | 86 | 34 | 13300 |
| COAL OR COKE | 111 | 16 | 42 | 15 | 15 | 7 | 10 | 4 | 3 | - | - | 6800 |
| WOOD | 566 | 62 | 185 | 84 | 94 | 69 | 41 | 23 | 9 | - | - | 8300 |
| SOLAR HEAT | 5 | 1 | 2 | - | - | - | - | 2 | - | - | - | ... |
| OTHER FUEL | 63 | 12 | 18 | 10 | 5 | 3 | 7 | 5 | - | 1 | 1 | 7600 |
| NONE | 376 | 40 | 105 | 42 | 82 | 33 | 27 | 26 | 18 | 1 | 3 | 10100 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 1 301 | 3 806 | 2 974 | 4 978 | 5 168 | 5 351 | 8 686 | 6 668 | 3 152 | 1 209 | 23200 |
| ELECTRICITY PAID FOR | 43 261 | 1 293 | 3 801 | 2 969 | 4 971 | 5 166 | 5 350 | 8 684 | 6 666 | 3 152 | 1 209 | 23200 |
| LESS THAN $10 | 271 | 23 | 94 | 16 | 31 | 34 | 16 | 24 | 27 | 3 | 2 | 10400 |
| $10 TO $19 | 2 711 | 139 | 585 | 349 | 414 | 320 | 283 | 328 | 189 | 78 | 26 | 13400 |
| $20 TO $29 | 6 205 | 231 | 924 | 607 | 897 | 848 | 763 | 1 011 | 624 | 245 | 56 | 17600 |
| $30 TO $39 | 7 763 | 240 | 713 | 658 | 1 017 | 985 | 1 040 | 1 594 | 1 004 | 366 | 145 | 21300 |
| $40 TO $49 | 6 095 | 178 | 443 | 396 | 758 | 700 | 768 | 1 362 | 953 | 405 | 133 | 23700 |
| $50 TO $59 | 5 603 | 126 | 390 | 303 | 614 | 713 | 720 | 1 132 | 1 002 | 473 | 129 | 24600 |
| $60 TO $79 | 6 705 | 165 | 349 | 347 | 640 | 746 | 884 | 1 470 | 1 299 | 628 | 178 | 26500 |
| $80 TO $99 | 3 003 | 75 | 135 | 127 | 263 | 335 | 379 | 736 | 537 | 300 | 116 | 27600 |
| $100 TO $149 | 3 617 | 86 | 110 | 126 | 255 | 367 | 400 | 798 | 770 | 445 | 260 | 30800 |
| $150 OR MORE | 1 287 | 30 | 59 | 40 | 81 | 117 | 96 | 228 | 262 | 209 | 164 | 34600 |
| MEDIAN | 47 | 41 | 34 | 37 | 41 | 45 | 47 | 50 | 55 | 60 | 72 | ... |
| NO ELECTRICITY USED | 32 | 8 | 5 | 5 | 7 | 2 | 1 | 2 | 2 | - | - | ... |
| SPECIFIED RENTER OCCUPIED[2] | 28 123 | 2 209 | 6 394 | 3 592 | 5 567 | 3 821 | 2 714 | 2 427 | 987 | 291 | 123 | 11700 |
| ELECTRICITY PAID FOR | 22 799 | 1 624 | 4 737 | 2 800 | 4 605 | 3 290 | 2 357 | 2 152 | 871 | 256 | 107 | 12400 |
| LESS THAN $10 | 1 240 | 104 | 345 | 180 | 246 | 133 | 103 | 91 | 27 | 5 | 5 | 9900 |
| $10 TO $19 | 4 975 | 414 | 1 291 | 649 | 988 | 675 | 413 | 372 | 134 | 23 | 16 | 10700 |
| $20 TO $29 | 5 165 | 376 | 1 208 | 659 | 1 051 | 724 | 481 | 457 | 163 | 33 | 13 | 11600 |
| $30 TO $39 | 3 909 | 295 | 727 | 471 | 828 | 593 | 421 | 351 | 161 | 51 | 12 | 12800 |
| $40 TO $49 | 2 330 | 167 | 402 | 316 | 458 | 351 | 271 | 231 | 86 | 36 | 12 | 13100 |
| $50 TO $59 | 1 796 | 108 | 319 | 184 | 375 | 248 | 252 | 186 | 82 | 27 | 16 | 13800 |
| $60 TO $79 | 1 843 | 80 | 288 | 208 | 365 | 313 | 223 | 234 | 94 | 29 | 9 | 14700 |
| $80 TO $99 | 631 | 38 | 64 | 60 | 143 | 86 | 79 | 87 | 54 | 13 | 8 | 15600 |
| $100 TO $149 | 645 | 25 | 72 | 46 | 110 | 124 | 83 | 107 | 51 | 22 | 6 | 17800 |
| $150 OR MORE | 264 | 17 | 21 | 27 | 42 | 42 | 30 | 36 | 20 | 18 | 10 | 17900 |
| MEDIAN | 30 | 27 | 25 | 28 | 30 | 32 | 34 | 34 | 36 | 44 | 46 | ... |
| INCLUDED IN RENT | 5 247 | 562 | 1 644 | 780 | 949 | 523 | 350 | 273 | 115 | 34 | 16 | 8600 |
| NO ELECTRICITY USED | 77 | 23 | 13 | 11 | 13 | 8 | 7 | 2 | - | - | - | 7500 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 1 301 | 3 806 | 2 974 | 4 978 | 5 168 | 5 351 | 8 686 | 6 668 | 3 152 | 1 209 | 23200 |
| GAS PAID FOR | 32 227 | 1 047 | 2 969 | 2 251 | 3 736 | 3 821 | 3 857 | 6 347 | 4 969 | 2 327 | 902 | 23000 |
| LESS THAN $10 | 1 353 | 54 | 183 | 111 | 196 | 187 | 156 | 234 | 152 | 55 | 25 | 18600 |
| $10 TO $14 | 1 922 | 60 | 234 | 172 | 235 | 302 | 221 | 336 | 211 | 106 | 44 | 19300 |
| $15 TO $19 | 2 057 | 57 | 256 | 180 | 238 | 251 | 249 | 392 | 269 | 110 | 56 | 21000 |
| $20 TO $24 | 2 671 | 70 | 289 | 235 | 323 | 305 | 295 | 452 | 438 | 211 | 54 | 21900 |
| $25 TO $29 | 2 620 | 62 | 238 | 201 | 333 | 341 | 347 | 489 | 396 | 172 | 41 | 21900 |
| $30 TO $39 | 5 373 | 158 | 508 | 397 | 690 | 662 | 621 | 1 145 | 753 | 317 | 122 | 22200 |
| $40 TO $49 | 4 636 | 158 | 379 | 302 | 517 | 545 | 557 | 970 | 797 | 305 | 107 | 23700 |
| $50 TO $69 | 6 958 | 254 | 532 | 409 | 755 | 773 | 860 | 1 487 | 1 157 | 536 | 196 | 24400 |
| $70 TO $99 | 3 174 | 108 | 243 | 181 | 309 | 326 | 366 | 636 | 554 | 322 | 130 | 25900 |
| $100 OR MORE | 1 464 | 68 | 108 | 63 | 140 | 130 | 184 | 207 | 242 | 193 | 128 | 26800 |
| MEDIAN | 40 | 44 | 35 | 35 | 37 | 37 | 41 | 41 | 43 | 46 | 50 | ... |
| NO GAS USED | 11 066 | 254 | 837 | 723 | 1 242 | 1 347 | 1 495 | 2 340 | 1 698 | 824 | 307 | 23800 |
| SPECIFIED RENTER OCCUPIED[2] | 28 123 | 2 209 | 6 394 | 3 592 | 5 567 | 3 821 | 2 714 | 2 427 | 987 | 291 | 123 | 11700 |
| GAS PAID FOR | 13 842 | 1 058 | 3 100 | 1 766 | 2 746 | 1 963 | 1 336 | 1 192 | 468 | 155 | 57 | 11800 |
| LESS THAN $10 | 2 694 | 197 | 623 | 356 | 574 | 382 | 247 | 218 | 62 | 23 | 12 | 11500 |
| $10 TO $14 | 2 168 | 181 | 490 | 258 | 418 | 304 | 220 | 174 | 78 | 32 | 13 | 11900 |
| $15 TO $19 | 1 567 | 119 | 361 | 204 | 294 | 209 | 158 | 136 | 47 | 25 | 12 | 11700 |
| $20 TO $24 | 1 354 | 109 | 300 | 185 | 263 | 161 | 128 | 136 | 46 | 23 | 3 | 11600 |
| $25 TO $29 | 1 026 | 68 | 265 | 146 | 196 | 156 | 89 | 70 | 28 | 4 | 5 | 10900 |
| $30 TO $39 | 1 642 | 136 | 323 | 174 | 357 | 253 | 165 | 153 | 57 | 22 | 3 | 12600 |
| $40 TO $49 | 1 105 | 94 | 220 | 137 | 203 | 186 | 100 | 113 | 43 | 6 | 3 | 12500 |
| $50 TO $69 | 1 358 | 96 | 307 | 180 | 279 | 177 | 128 | 116 | 62 | 10 | 3 | 11700 |
| $70 TO $99 | 614 | 40 | 139 | 87 | 110 | 86 | 62 | 50 | 31 | 7 | 2 | 11900 |
| $100 OR MORE | 313 | 18 | 74 | 38 | 53 | 48 | 39 | 26 | 14 | 3 | 2 | 12600 |
| MEDIAN | 21 | 21 | 21 | 21 | 21 | 22 | 21 | 22 | 25 | 18 | 16 | ... |
| INCLUDED IN RENT | 7 840 | 739 | 2 019 | 1 098 | 1 475 | 949 | 646 | 564 | 252 | 61 | 38 | 10200 |
| NO GAS USED | 6 442 | 412 | 1 275 | 728 | 1 346 | 909 | 733 | 671 | 266 | 75 | 28 | 13000 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE A-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 1 301 | 3 806 | 2 974 | 4 978 | 5 168 | 5 351 | 8 686 | 6 668 | 3 152 | 1 209 | 23200 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 10 705 | 302 | 976 | 726 | 1 188 | 1 207 | 1 310 | 2 136 | 1 674 | 857 | 328 | 23600 |
| LESS THAN $100 | 1 555 | 40 | 90 | 68 | 114 | 147 | 180 | 355 | 332 | 161 | 68 | 28900 |
| $100 TO $199 | 1 399 | 50 | 93 | 82 | 129 | 150 | 150 | 300 | 231 | 148 | 66 | 26500 |
| $200 TO $299 | 785 | 35 | 97 | 41 | 90 | 107 | 87 | 146 | 109 | 46 | 28 | 21300 |
| $300 TO $399 | 650 | 31 | 76 | 43 | 106 | 88 | 89 | 99 | 76 | 34 | 10 | 19000 |
| $400 TO $499 | 610 | 22 | 79 | 54 | 60 | 90 | 94 | 106 | 70 | 30 | 5 | 20000 |
| $500 TO $599 | 672 | 22 | 75 | 55 | 93 | 74 | 98 | 116 | 80 | 43 | 16 | 20900 |
| $600 TO $699 | 783 | 15 | 109 | 59 | 108 | 81 | 110 | 158 | 111 | 25 | 7 | 20900 |
| $700 TO $799 | 584 | 15 | 67 | 42 | 84 | 70 | 81 | 109 | 63 | 37 | 16 | 20900 |
| $800 OR MORE | 3 667 | 74 | 290 | 282 | 405 | 400 | 422 | 747 | 604 | 333 | 110 | 24500 |
| MEDIAN | 552 | 384 | 570 | 635 | 603 | 529 | 556 | 553 | 525 | 524 | 310 | ... |
| FUELS NOT USED OR FREE | 32 588 | 999 | 2 830 | 2 248 | 3 790 | 3 961 | 4 041 | 6 550 | 4 993 | 2 295 | 881 | 23100 |
| SPECIFIED RENTER OCCUPIED[2] | 28 123 | 2 209 | 6 394 | 3 592 | 5 567 | 3 821 | 2 714 | 2 427 | 987 | 291 | 123 | 11700 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 231 | 154 | 484 | 206 | 435 | 345 | 244 | 217 | 115 | 23 | 9 | 13100 |
| LESS THAN $100 | 400 | 35 | 70 | 36 | 83 | 47 | 55 | 40 | 23 | 5 | 7 | 13600 |
| $100 TO $199 | 277 | 17 | 61 | 38 | 49 | 52 | 19 | 20 | 14 | 6 | - | 12200 |
| $200 TO $299 | 200 | 15 | 65 | 9 | 35 | 30 | 23 | 15 | 6 | - | - | 11400 |
| $300 TO $399 | 166 | 17 | 41 | 18 | 37 | 16 | 19 | 11 | 7 | - | - | 11000 |
| $400 TO $499 | 197 | 17 | 52 | 23 | 32 | 37 | 13 | 19 | 5 | - | - | 11100 |
| $500 TO $599 | 148 | 3 | 38 | 10 | 42 | 17 | 16 | 11 | 9 | 2 | - | 12700 |
| $600 TO $699 | 188 | 18 | 53 | 16 | 40 | 27 | 12 | 15 | 7 | - | - | 10900 |
| $700 TO $799 | 103 | 4 | 29 | 11 | 11 | 18 | 11 | 16 | 2 | 2 | - | 13400 |
| $800 OR MORE | 552 | 28 | 75 | 44 | 105 | 100 | 76 | 72 | 43 | 8 | 2 | 16200 |
| MEDIAN | 437 | 361 | 410 | 403 | 438 | 472 | 441 | 542 | 542 | ... | ... | ... |
| INCLUDED IN RENT | 5 187 | 376 | 1 296 | 702 | 1 019 | 638 | 443 | 420 | 175 | 76 | 41 | 11100 |
| FUELS NOT USED OR FREE | 20 705 | 1 679 | 4 614 | 2 683 | 4 113 | 2 838 | 2 027 | 1 790 | 697 | 192 | 73 | 11700 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 4 151 | 11 908 | 7 754 | 12 549 | 10 561 | 9 367 | 12 737 | 8 687 | 3 907 | 1 556 | 17500 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| OWNER OCCUPIED | 54 342 | 1 867 | 5 375 | 4 069 | 6 838 | 6 650 | 6 592 | 10 238 | 7 672 | 3 610 | 1 431 | 21800 |
| WARM-AIR FURNACE | 32 059 | 978 | 2 540 | 2 122 | 3 718 | 3 777 | 3 912 | 6 495 | 5 165 | 2 407 | 945 | 23700 |
| HEAT PUMP | 1 601 | 33 | 83 | 62 | 124 | 146 | 137 | 417 | 328 | 166 | 105 | 30200 |
| STEAM OR HOT WATER | 7 014 | 175 | 545 | 425 | 800 | 825 | 887 | 1 427 | 1 103 | 593 | 236 | 24200 |
| BUILT-IN ELECTRIC UNITS | 3 149 | 114 | 256 | 241 | 426 | 448 | 443 | 615 | 377 | 175 | 52 | 21000 |
| FLOOR, WALL, OR PIPELESS FURNACE | 3 324 | 133 | 473 | 367 | 578 | 490 | 380 | 469 | 292 | 96 | 46 | 16100 |
| ROOM HEATERS WITH FLUE | 1 976 | 134 | 550 | 302 | 308 | 247 | 213 | 152 | 51 | 17 | 2 | 10000 |
| ROOM HEATERS WITHOUT FLUE | 1 643 | 112 | 469 | 218 | 305 | 190 | 145 | 112 | 60 | 22 | 11 | 10400 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 3 363 | 189 | 443 | 312 | 552 | 504 | 447 | 515 | 259 | 112 | 29 | 16800 |
| NONE | 213 | - | 15 | 20 | 27 | 24 | 27 | 37 | 37 | 20 | 6 | 23900 |
| RENTER OCCUPIED | 28 833 | 2 284 | 6 532 | 3 685 | 5 711 | 3 911 | 2 775 | 2 499 | 1 015 | 297 | 124 | 11700 |
| WARM-AIR FURNACE | 10 885 | 758 | 1 926 | 1 330 | 2 187 | 1 618 | 1 209 | 1 184 | 475 | 150 | 47 | 13300 |
| HEAT PUMP | 411 | 20 | 54 | 40 | 67 | 76 | 51 | 48 | 34 | 15 | 6 | 16600 |
| STEAM OR HOT WATER | 6 789 | 485 | 1 697 | 826 | 1 295 | 934 | 639 | 548 | 240 | 80 | 45 | 11500 |
| BUILT-IN ELECTRIC UNITS | 3 097 | 221 | 742 | 370 | 623 | 398 | 310 | 291 | 100 | 25 | 14 | 11700 |
| FLOOR, WALL, OR PIPELESS FURNACE | 3 021 | 232 | 664 | 434 | 690 | 392 | 267 | 230 | 94 | 15 | 3 | 11300 |
| ROOM HEATERS WITH FLUE | 1 743 | 229 | 559 | 260 | 306 | 186 | 109 | 67 | 20 | 6 | 1 | 8000 |
| ROOM HEATERS WITHOUT FLUE | 1 268 | 158 | 396 | 196 | 239 | 135 | 75 | 53 | 14 | 1 | 2 | 8200 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 244 | 141 | 389 | 187 | 220 | 138 | 88 | 53 | 20 | 3 | 3 | 8500 |
| NONE | 376 | 40 | 105 | 42 | 82 | 33 | 27 | 26 | 18 | 1 | 3 | 10100 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 4 151 | 11 908 | 7 754 | 12 549 | 10 561 | 9 367 | 12 737 | 8 687 | 3 907 | 1 556 | 17500 |
| UNITS OCCUPIED LAST WINTER | 70 933 | 3 203 | 9 857 | 6 378 | 10 198 | 8 854 | 8 116 | 11 376 | 7 918 | 3 616 | 1 416 | 18300 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| OWNER OCCUPIED | 51 475 | 1 796 | 5 208 | 3 892 | 6 504 | 6 233 | 6 207 | 9 674 | 7 222 | 3 399 | 1 340 | 21700 |
| WITH HEATING EQUIPMENT | 51 282 | 1 796 | 5 196 | 3 874 | 6 481 | 6 211 | 6 183 | 9 639 | 7 187 | 3 380 | 1 334 | 21700 |
| NO ROOMS CLOSED | 48 972 | 1 626 | 4 688 | 3 624 | 6 150 | 5 943 | 5 952 | 9 392 | 7 014 | 3 283 | 1 298 | 22100 |
| CLOSED CERTAIN ROOMS | 1 732 | 112 | 430 | 217 | 263 | 209 | 165 | 165 | 103 | 53 | 17 | 12100 |
| LIVING ROOM ONLY | 53 | 6 | 7 | 8 | 7 | 6 | 8 | 6 | 2 | 3 | - | 14100 |
| DINING ROOM ONLY | 19 | 1 | 2 | 2 | 2 | 5 | - | 4 | 3 | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 1 176 | 77 | 324 | 137 | 201 | 139 | 119 | 84 | 56 | 32 | 8 | 11300 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 454 | 25 | 94 | 69 | 49 | 57 | 36 | 62 | 41 | 13 | 8 | 14000 |
| NOT REPORTED | 30 | 3 | 4 | 2 | 4 | 2 | 2 | 9 | 1 | 4 | - | ... |
| NOT REPORTED | 578 | 58 | 78 | 33 | 68 | 60 | 66 | 82 | 69 | 44 | 19 | 19300 |
| NO HEATING EQUIPMENT | 193 | - | 12 | 18 | 23 | 22 | 24 | 35 | 36 | 18 | 6 | 24800 |
| RENTER OCCUPIED | 19 458 | 1 407 | 4 649 | 2 486 | 3 694 | 2 621 | 1 909 | 1 702 | 696 | 218 | 75 | 11600 |
| WITH HEATING EQUIPMENT | 19 204 | 1 387 | 4 580 | 2 453 | 3 637 | 2 596 | 1 888 | 1 689 | 686 | 217 | 74 | 11600 |
| NO ROOMS CLOSED | 17 652 | 1 253 | 4 117 | 2 217 | 3 363 | 2 429 | 1 752 | 1 602 | 637 | 214 | 68 | 11800 |
| CLOSED CERTAIN ROOMS | 1 205 | 109 | 400 | 190 | 201 | 127 | 88 | 55 | 28 | 2 | 5 | 8500 |
| LIVING ROOM ONLY | 79 | 3 | 32 | 14 | 10 | 10 | 5 | 5 | - | - | - | 8000 |
| DINING ROOM ONLY | 12 | - | 2 | - | 3 | 2 | - | 4 | - | 2 | - | ... |
| 1 OR MORE BEDROOMS ONLY | 745 | 76 | 256 | 125 | 124 | 55 | 55 | 29 | 22 | - | 4 | 8000 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 348 | 30 | 103 | 50 | 56 | 54 | 28 | 18 | 7 | - | 2 | 9500 |
| NOT REPORTED | 21 | - | 8 | - | 7 | 7 | - | - | - | - | - | ... |
| NOT REPORTED | 347 | 25 | 63 | 46 | 74 | 40 | 48 | 31 | 20 | 1 | - | 12700 |
| NO HEATING EQUIPMENT | 254 | 21 | 69 | 33 | 58 | 25 | 21 | 14 | 10 | 1 | 2 | 10300 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE A-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| OWNER OCCUPIED | 51 475 | 1 796 | 5 208 | 3 892 | 6 504 | 6 233 | 6 207 | 9 674 | 7 222 | 3 399 | 1 340 | 21700 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 1 506 | 4 303 | 3 364 | 5 666 | 5 559 | 5 615 | 9 036 | 6 884 | 3 257 | 1 294 | 22500 |
| NO ADDITIONAL HEAT SOURCE USED | 42 580 | 1 358 | 3 827 | 3 047 | 5 166 | 5 054 | 5 126 | 8 348 | 6 398 | 3 031 | 1 224 | 22800 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 3 055 | 98 | 362 | 248 | 380 | 407 | 393 | 563 | 380 | 180 | 45 | 20400 |
| NOT REPORTED | 847 | 49 | 114 | 68 | 120 | 99 | 95 | 124 | 106 | 46 | 25 | 18600 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 290 | 906 | 528 | 838 | 674 | 592 | 638 | 338 | 142 | 46 | 14600 |
| RENTER OCCUPIED | 19 458 | 1 407 | 4 649 | 2 486 | 3 694 | 2 621 | 1 909 | 1 702 | 696 | 218 | 75 | 11600 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 1 180 | 3 964 | 2 196 | 3 307 | 2 410 | 1 773 | 1 604 | 673 | 214 | 68 | 12000 |
| NO ADDITIONAL HEAT SOURCE USED | 14 611 | 957 | 3 206 | 1 831 | 2 728 | 2 091 | 1 530 | 1 426 | 590 | 193 | 60 | 12400 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 2 329 | 178 | 659 | 318 | 480 | 264 | 201 | 133 | 69 | 20 | 7 | 10100 |
| NOT REPORTED | 451 | 45 | 100 | 47 | 100 | 55 | 43 | 46 | 13 | 1 | 1 | 11700 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 228 | 684 | 290 | 387 | 211 | 136 | 98 | 23 | 4 | 7 | 8300 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| OWNER OCCUPIED | 51 475 | 1 796 | 5 208 | 3 892 | 6 504 | 6 233 | 6 207 | 9 674 | 7 222 | 3 399 | 1 340 | 21700 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 1 506 | 4 303 | 3 364 | 5 666 | 5 559 | 5 615 | 9 036 | 6 884 | 3 257 | 1 294 | 22500 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 37 715 | 1 178 | 3 008 | 2 427 | 4 375 | 4 379 | 4 581 | 7 667 | 6 040 | 2 913 | 1 147 | 23800 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 7 891 | 275 | 1 184 | 865 | 1 168 | 1 079 | 945 | 1 222 | 744 | 293 | 116 | 17100 |
| 1 ROOM | 2 411 | 56 | 245 | 220 | 286 | 325 | 314 | 443 | 336 | 131 | 57 | 21200 |
| 2 ROOMS | 1 944 | 74 | 336 | 219 | 321 | 252 | 211 | 293 | 164 | 52 | 22 | 15400 |
| 3 ROOMS OR MORE | 3 536 | 145 | 603 | 426 | 560 | 502 | 421 | 486 | 244 | 110 | 37 | 15300 |
| NOT REPORTED | 876 | 52 | 111 | 71 | 123 | 101 | 89 | 147 | 100 | 51 | 30 | 19000 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 290 | 906 | 528 | 838 | 674 | 592 | 638 | 338 | 142 | 46 | 14600 |
| RENTER OCCUPIED | 19 458 | 1 407 | 4 649 | 2 486 | 3 694 | 2 621 | 1 909 | 1 702 | 696 | 218 | 75 | 11600 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 1 180 | 3 964 | 2 196 | 3 307 | 2 410 | 1 773 | 1 604 | 673 | 214 | 68 | 12000 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 13 405 | 858 | 3 001 | 1 633 | 2 459 | 1 916 | 1 416 | 1 306 | 561 | 195 | 60 | 12500 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 523 | 272 | 855 | 512 | 747 | 445 | 317 | 253 | 96 | 18 | 7 | 10800 |
| 1 ROOM | 1 210 | 94 | 291 | 182 | 266 | 144 | 117 | 81 | 30 | 3 | 1 | 10700 |
| 2 ROOMS | 1 134 | 87 | 290 | 174 | 205 | 141 | 105 | 90 | 33 | 7 | 3 | 10400 |
| 3 ROOMS OR MORE | 1 180 | 91 | 275 | 156 | 276 | 160 | 95 | 82 | 33 | 8 | 3 | 11200 |
| NOT REPORTED | 462 | 50 | 108 | 51 | 102 | 49 | 41 | 45 | 15 | 1 | 1 | 11100 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 228 | 684 | 290 | 387 | 211 | 136 | 98 | 23 | 4 | 7 | 8300 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| OWNER OCCUPIED | 51 475 | 1 796 | 5 208 | 3 892 | 6 504 | 6 233 | 6 207 | 9 674 | 7 222 | 3 399 | 1 340 | 21700 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 1 506 | 4 303 | 3 364 | 5 666 | 5 559 | 5 615 | 9 036 | 6 884 | 3 257 | 1 294 | 22500 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 290 | 906 | 528 | 838 | 674 | 592 | 638 | 338 | 142 | 46 | 14600 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 4 031 | 222 | 682 | 421 | 659 | 589 | 492 | 526 | 284 | 111 | 44 | 15300 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 418 | 42 | 141 | 43 | 83 | 27 | 41 | 26 | 8 | 7 | - | 8800 |
| NOT REPORTED | 544 | 25 | 82 | 64 | 96 | 57 | 59 | 86 | 46 | 24 | 3 | 15300 |
| RENTER OCCUPIED | 19 458 | 1 407 | 4 649 | 2 486 | 3 694 | 2 621 | 1 909 | 1 702 | 696 | 218 | 75 | 11600 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 1 180 | 3 964 | 2 196 | 3 307 | 2 410 | 1 773 | 1 604 | 673 | 214 | 68 | 12000 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 228 | 684 | 290 | 387 | 211 | 136 | 98 | 23 | 4 | 7 | 8300 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 472 | 153 | 485 | 212 | 269 | 158 | 92 | 79 | 18 | 2 | 3 | 8400 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 401 | 60 | 139 | 53 | 78 | 30 | 23 | 11 | 3 | - | 4 | 7100 |
| NOT REPORTED | 195 | 15 | 60 | 26 | 40 | 22 | 20 | 7 | 2 | 2 | - | 9600 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 4 151 | 11 908 | 7 754 | 12 549 | 10 561 | 9 367 | 12 737 | 8 687 | 3 907 | 1 556 | 17500 |
| AIR CONDITIONING | | | | | | | | | | | | |
| OWNER OCCUPIED | 54 342 | 1 867 | 5 375 | 4 069 | 6 838 | 6 650 | 6 592 | 10 238 | 7 672 | 3 610 | 1 431 | 21800 |
| WITH AIR CONDITIONING | 33 249 | 1 017 | 2 595 | 2 253 | 3 924 | 4 011 | 3 952 | 6 647 | 5 229 | 2 537 | 1 085 | 23600 |
| ROOM UNITS | 16 377 | 533 | 1 717 | 1 465 | 2 351 | 2 233 | 2 109 | 2 944 | 1 924 | 841 | 260 | 19800 |
| 1 | 9 645 | 363 | 1 261 | 1 006 | 1 540 | 1 389 | 1 235 | 1 665 | 883 | 392 | 111 | 17700 |
| 2 | 4 625 | 134 | 368 | 348 | 616 | 654 | 665 | 865 | 658 | 250 | 67 | 21400 |
| 3 | 1 345 | 27 | 67 | 88 | 144 | 137 | 165 | 304 | 252 | 117 | 44 | 26500 |
| 4 | 389 | 7 | 16 | 13 | 37 | 42 | 35 | 83 | 90 | 52 | 14 | 30500 |
| 5 OR MORE | 173 | 2 | 5 | 10 | 14 | 11 | 9 | 27 | 41 | 30 | 24 | 37800 |
| CENTRAL SYSTEM | 16 872 | 485 | 878 | 788 | 1 573 | 1 778 | 1 843 | 3 703 | 3 305 | 1 696 | 825 | 28000 |
| WITH NO AIR CONDITIONING | 21 093 | 850 | 2 781 | 1 817 | 2 914 | 2 639 | 2 640 | 3 590 | 2 444 | 1 072 | 346 | 19100 |
| RENTER OCCUPIED | 28 633 | 2 284 | 6 532 | 3 685 | 5 711 | 3 911 | 2 775 | 2 499 | 1 015 | 297 | 124 | 11700 |
| WITH AIR CONDITIONING | 14 221 | 874 | 2 350 | 1 705 | 2 865 | 2 221 | 1 680 | 1 558 | 667 | 206 | 93 | 13800 |
| ROOM UNITS | 8 244 | 574 | 1 548 | 1 021 | 1 697 | 1 261 | 896 | 784 | 317 | 99 | 48 | 12900 |
| 1 | 6 325 | 488 | 1 328 | 828 | 1 324 | 922 | 658 | 529 | 177 | 50 | 21 | 12000 |
| 2 | 1 631 | 77 | 199 | 161 | 329 | 296 | 199 | 206 | 112 | 38 | 14 | 15800 |
| 3 | 233 | 9 | 10 | 26 | 32 | 34 | 33 | 43 | 23 | 10 | 13 | 20800 |
| 4 | 40 | - | 9 | 3 | 6 | 7 | 5 | 5 | 6 | - | - | 16500 |
| 5 OR MORE | 15 | - | 2 | 2 | 5 | 3 | 2 | 2 | - | - | - | ... |
| CENTRAL SYSTEM | 5 976 | 300 | 802 | 684 | 1 168 | 961 | 784 | 775 | 350 | 107 | 44 | 15200 |
| WITH NO AIR CONDITIONING | 14 612 | 1 409 | 4 183 | 1 980 | 2 846 | 1 690 | 1 095 | 941 | 348 | 91 | 31 | 9600 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | | | | | | | | |
| OWNER OCCUPIED | 37 175 | 897 | 1 120 | 1 415 | 3 476 | 4 676 | 5 310 | 8 941 | 6 805 | 3 260 | 1 275 | 26900 |
| DRIVES SELF | 27 296 | 574 | 734 | 928 | 2 536 | 3 416 | 3 909 | 6 659 | 5 041 | 2 484 | 1 016 | 27300 |
| CARPOOL | 6 297 | 114 | 153 | 272 | 524 | 636 | 960 | 1 613 | 1 221 | 474 | 130 | 26800 |
| MASS TRANSPORTATION | 1 193 | 38 | 47 | 46 | 111 | 116 | 129 | 258 | 245 | 140 | 63 | 29200 |
| BICYCLE, MOTORCYCLE, OR MOPED | 356 | 2 | 7 | 1 | 31 | 54 | 52 | 96 | 79 | 30 | 3 | 28100 |
| TAXICAB | 11 | - | 7 | 2 | - | 2 | - | - | - | - | - | ... |
| WALKS ONLY | 224 | 42 | 49 | 60 | 107 | 125 | 133 | 139 | 87 | 56 | 26 | 21100 |
| OTHER MEANS | 120 | - | 6 | 3 | 13 | 11 | 22 | 26 | 22 | 11 | 6 | 27000 |
| WORKS AT HOME | 1 080 | 127 | 117 | 103 | 154 | 116 | 106 | 151 | 109 | 65 | 31 | 16700 |

[1] EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2] LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE A-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[1]--CONTINUED | | | | | | | | | | | | |
| RENTER OCCUPIED | 18 924 | 785 | 2 051 | 2 280 | 4 529 | 3 341 | 2 455 | 2 225 | 892 | 259 | 107 | 14800 |
| DRIVES SELF | 11 573 | 408 | 1 020 | 1 272 | 2 766 | 2 167 | 1 648 | 1 471 | 603 | 161 | 57 | 15700 |
| CARPOOL | 3 190 | 123 | 381 | 386 | 777 | 508 | 413 | 414 | 148 | 30 | 10 | 14500 |
| MASS TRANSPORTATION | 2 059 | 93 | 278 | 301 | 525 | 361 | 201 | 168 | 77 | 40 | 16 | 13400 |
| BICYCLE, MOTORCYCLE, OR MOPED | 318 | 12 | 48 | 33 | 72 | 73 | 39 | 28 | 8 | - | 3 | 14500 |
| TAXICAB | 84 | 2 | 14 | 19 | 11 | 7 | 7 | 11 | 4 | 5 | 6 | 13800 |
| WALKS ONLY | 1 267 | 94 | 236 | 206 | 294 | 168 | 123 | 94 | 31 | 12 | 10 | 11700 |
| OTHER MEANS | 37 | 2 | 4 | 4 | 10 | 4 | 3 | 2 | 4 | 3 | 2 | 14800 |
| WORKS AT HOME | 396 | 50 | 70 | 59 | 74 | 53 | 21 | 38 | 18 | 8 | 3 | 11200 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 37 175 | 897 | 1 120 | 1 415 | 3 476 | 4 676 | 5 310 | 8 941 | 6 805 | 3 260 | 1 275 | 26900 |
| HOUSEHOLDER DRIVES ALONE | 27 296 | 574 | 734 | 928 | 2 536 | 3 416 | 3 909 | 6 659 | 5 041 | 2 484 | 1 016 | 27300 |
| IRREGULAR OR UNUSUAL WORK HOURS | 8 719 | 145 | 216 | 261 | 667 | 990 | 1 193 | 2 201 | 1 758 | 875 | 412 | 29000 |
| IRREGULAR WORK LOCATION | 1 958 | 29 | 52 | 51 | 156 | 212 | 289 | 475 | 435 | 188 | 70 | 29000 |
| CAR NEEDED FOR WORK OR ERRANDS | 4 443 | 138 | 98 | 119 | 340 | 419 | 538 | 1 111 | 888 | 535 | 257 | 30100 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 6 867 | 159 | 226 | 344 | 836 | 1 037 | 1 121 | 1 591 | 1 019 | 416 | 118 | 23700 |
| LIKES PRIVACY | 1 342 | 30 | 48 | 32 | 143 | 169 | 212 | 312 | 237 | 117 | 42 | 26200 |
| OUT OF THE WAY TO PICK UP OTHERS | 1 295 | 22 | 39 | 48 | 122 | 230 | 191 | 302 | 226 | 85 | 29 | 24900 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 276 | - | 10 | 4 | 38 | 30 | 38 | 75 | 61 | 17 | 3 | 27400 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 580 | 12 | 7 | 7 | 44 | 84 | 80 | 177 | 100 | 47 | 22 | 28200 |
| DOESN'T TRUST OTHERS DRIVING | 27 | - | 2 | - | 7 | 5 | 3 | 8 | 2 | - | - | ... |
| SOME OTHER REASON | 1 655 | 37 | 33 | 58 | 163 | 227 | 236 | 369 | 286 | 187 | 59 | 27000 |
| NOT REPORTED | 135 | 2 | 2 | 4 | 19 | 14 | 8 | 37 | 28 | 17 | 4 | 30100 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 9 879 | 323 | 387 | 487 | 940 | 1 260 | 1 402 | 2 283 | 1 764 | 776 | 258 | 25600 |
| RENTER OCCUPIED | 18 924 | 785 | 2 051 | 2 280 | 4 529 | 3 341 | 2 455 | 2 225 | 892 | 259 | 107 | 14800 |
| HOUSEHOLDER DRIVES ALONE | 11 573 | 408 | 1 020 | 1 272 | 2 766 | 2 167 | 1 648 | 1 471 | 603 | 161 | 57 | 15700 |
| IRREGULAR OR UNUSUAL WORK HOURS | 3 582 | 115 | 301 | 403 | 768 | 667 | 526 | 464 | 241 | 67 | 30 | 16500 |
| IRREGULAR WORK LOCATION | 688 | 41 | 50 | 42 | 127 | 147 | 123 | 99 | 42 | 12 | 5 | 17900 |
| CAR NEEDED FOR WORK OR ERRANDS | 1 652 | 52 | 120 | 149 | 392 | 302 | 233 | 272 | 90 | 36 | 7 | 16900 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 3 233 | 127 | 339 | 429 | 851 | 594 | 400 | 355 | 110 | 21 | 7 | 14200 |
| LIKES PRIVACY | 728 | 20 | 50 | 61 | 183 | 144 | 123 | 92 | 42 | 10 | 4 | 16700 |
| OUT OF THE WAY TO PICK UP OTHERS | 530 | 15 | 49 | 56 | 130 | 94 | 69 | 66 | 24 | 7 | - | 15800 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 148 | 5 | 15 | 18 | 43 | 26 | 20 | 10 | 11 | - | - | 14100 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 328 | 5 | 15 | 31 | 109 | 83 | 40 | 33 | 11 | - | - | 15200 |
| DOESN'T TRUST OTHERS DRIVING | 34 | - | 9 | 6 | 9 | 4 | 3 | 2 | - | - | 2 | ... |
| SOME OTHER REASON | 588 | 22 | 62 | 68 | 135 | 101 | 88 | 74 | 27 | 8 | 3 | 15300 |
| NOT REPORTED | 62 | 6 | 10 | 8 | 19 | 6 | 3 | 5 | 5 | - | - | 11800 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 7 351 | 377 | 1 030 | 1 008 | 1 763 | 1 174 | 808 | 754 | 289 | 98 | 50 | 13600 |
| DISTANCE FROM HOME TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 37 175 | 897 | 1 120 | 1 415 | 3 476 | 4 676 | 5 310 | 8 941 | 6 805 | 3 260 | 1 275 | 26900 |
| LESS THAN 1 MILE | 2 435 | 88 | 128 | 164 | 324 | 364 | 363 | 472 | 301 | 161 | 70 | 22100 |
| 1 TO 4 MILES | 7 385 | 176 | 283 | 320 | 801 | 1 099 | 1 108 | 1 727 | 1 143 | 516 | 212 | 24600 |
| 5 TO 9 MILES | 7 187 | 150 | 166 | 238 | 741 | 921 | 1 082 | 1 733 | 1 411 | 511 | 235 | 26700 |
| 10 TO 19 MILES | 8 102 | 135 | 184 | 237 | 671 | 974 | 1 218 | 2 059 | 1 568 | 802 | 255 | 28100 |
| 20 TO 29 MILES | 3 362 | 64 | 61 | 83 | 220 | 375 | 427 | 922 | 729 | 356 | 124 | 29900 |
| 30 TO 49 MILES | 2 119 | 26 | 30 | 59 | 127 | 252 | 298 | 543 | 485 | 228 | 71 | 29900 |
| 50 MILES OR MORE | 679 | 14 | 10 | 28 | 47 | 75 | 89 | 202 | 115 | 70 | 29 | 28800 |
| WORKS AT HOME | 1 080 | 127 | 117 | 103 | 154 | 116 | 106 | 151 | 109 | 65 | 31 | 16700 |
| NO FIXED PLACE OF WORK | 4 828 | 117 | 142 | 184 | 391 | 500 | 620 | 1 132 | 943 | 551 | 248 | 29100 |
| MEDIAN | 9.0 | 7.1 | 5.6 | 6.7 | 7.3 | 8.1 | 8.8 | 9.7 | 10.1 | 11.7 | 9.6 | ... |
| RENTER OCCUPIED | 18 924 | 785 | 2 051 | 2 280 | 4 529 | 3 341 | 2 455 | 2 225 | 892 | 259 | 107 | 14800 |
| LESS THAN 1 MILE | 2 087 | 122 | 339 | 317 | 533 | 309 | 210 | 171 | 60 | 13 | 13 | 12500 |
| 1 TO 4 MILES | 4 871 | 196 | 586 | 692 | 1 279 | 825 | 583 | 462 | 176 | 45 | 27 | 13800 |
| 5 TO 9 MILES | 3 787 | 125 | 373 | 438 | 954 | 725 | 491 | 439 | 167 | 52 | 22 | 15000 |
| 10 TO 19 MILES | 3 800 | 121 | 338 | 399 | 878 | 706 | 554 | 510 | 222 | 53 | 18 | 16200 |
| 20 TO 29 MILES | 1 199 | 28 | 85 | 106 | 293 | 214 | 195 | 174 | 76 | 24 | 2 | 17000 |
| 30 TO 49 MILES | 626 | 28 | 37 | 57 | 130 | 115 | 95 | 113 | 40 | 11 | - | 17600 |
| 50 MILES OR MORE | 215 | 8 | 11 | 22 | 42 | 36 | 35 | 44 | 15 | - | 2 | 18400 |
| WORKS AT HOME | 396 | 50 | 70 | 59 | 74 | 53 | 21 | 38 | 18 | 8 | 3 | 11200 |
| NO FIXED PLACE OF WORK | 1 944 | 105 | 211 | 189 | 346 | 360 | 271 | 274 | 116 | 53 | 20 | 16700 |
| MEDIAN | 6.8 | 4.9 | 4.7 | 5.1 | 6.3 | 7.3 | 7.9 | 8.7 | 9.3 | 8.9 | 5.3 | ... |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 37 175 | 897 | 1 120 | 1 415 | 3 476 | 4 676 | 5 310 | 8 941 | 6 805 | 3 260 | 1 275 | 26900 |
| LESS THAN 15 MINUTES | 10 819 | 261 | 388 | 458 | 1 168 | 1 554 | 1 599 | 2 473 | 1 774 | 797 | 347 | 24900 |
| 15 TO 29 MINUTES | 11 666 | 225 | 293 | 388 | 1 123 | 1 480 | 1 835 | 2 966 | 2 127 | 879 | 348 | 26600 |
| 30 TO 44 MINUTES | 5 133 | 106 | 108 | 154 | 407 | 606 | 680 | 1 283 | 1 067 | 561 | 163 | 28900 |
| 45 TO 59 MINUTES | 1 930 | 22 | 38 | 59 | 122 | 241 | 260 | 513 | 396 | 220 | 59 | 29300 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 1 280 | 32 | 17 | 47 | 82 | 119 | 165 | 304 | 313 | 139 | 61 | 30800 |
| 1 HOUR AND 30 MINUTES OR MORE | 440 | 7 | 17 | 21 | 30 | 58 | 45 | 119 | 76 | 48 | 18 | 28500 |
| WORKS AT HOME | 1 080 | 127 | 117 | 103 | 154 | 116 | 106 | 151 | 109 | 65 | 31 | 16700 |
| NO FIXED PLACE OF WORK | 4 828 | 117 | 142 | 184 | 391 | 500 | 620 | 1 132 | 943 | 551 | 248 | 29100 |
| MEDIAN | 21.2 | 19.4 | 17.2 | 19.1 | 19.0 | 19.8 | 20.7 | 21.8 | 22.8 | 23.9 | 21.5 | ... |
| RENTER OCCUPIED | 18 924 | 785 | 2 051 | 2 280 | 4 529 | 3 341 | 2 455 | 2 225 | 892 | 259 | 107 | 14800 |
| LESS THAN 15 MINUTES | 6 304 | 256 | 747 | 804 | 1 657 | 1 074 | 793 | 636 | 251 | 55 | 32 | 14100 |
| 15 TO 29 MINUTES | 6 090 | 232 | 644 | 760 | 1 466 | 1 057 | 809 | 731 | 285 | 76 | 30 | 14800 |
| 30 TO 44 MINUTES | 2 441 | 75 | 223 | 269 | 579 | 479 | 326 | 305 | 122 | 48 | 14 | 15800 |
| 45 TO 59 MINUTES | 851 | 32 | 66 | 82 | 196 | 165 | 129 | 115 | 54 | 12 | - | 16500 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 677 | 33 | 55 | 87 | 160 | 111 | 87 | 100 | 32 | 6 | 6 | 15100 |
| 1 HOUR AND 30 MINUTES OR MORE | 221 | 2 | 33 | 29 | 51 | 43 | 20 | 25 | 15 | 2 | 2 | 14600 |
| WORKS AT HOME | 396 | 50 | 70 | 59 | 74 | 53 | 21 | 38 | 18 | 8 | 3 | 11200 |
| NO FIXED PLACE OF WORK | 1 944 | 105 | 211 | 189 | 346 | 360 | 271 | 274 | 116 | 53 | 20 | 16700 |
| MEDIAN | 19.9 | 18.8 | 18.2 | 19.2 | 19.1 | 20.5 | 20.3 | 21.6 | 21.8 | 23.8 | 19.8 | ... |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE A-3. VALUE OF OWNER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | LESS THAN $10,000 | $10,000 TO $19,999 | $20,000 TO $29,999 | $30,000 TO $39,999 | $40,000 TO $49,999 | $50,000 TO $59,999 | $60,000 TO $74,999 | $75,000 TO $99,999 | $100,000 TO $199,999 | $200,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 746 | 2 168 | 3 833 | 5 821 | 6 314 | 5 263 | 6 826 | 6 266 | 5 048 | 1 009 | 55300 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| UTILITY GAS | 26 640 | 396 | 1 363 | 2 453 | 3 522 | 3 753 | 3 153 | 4 020 | 3 931 | 3 384 | 664 | 55800 |
| BOTTLED, TANK, OR LP GAS | 1 594 | 110 | 250 | 248 | 279 | 212 | 157 | 145 | 116 | 64 | 14 | 36800 |
| FUEL OIL | 6 890 | 88 | 278 | 610 | 1 011 | 1 062 | 911 | 1 226 | 935 | 646 | 124 | 54400 |
| KEROSENE, ETC | 173 | 21 | 33 | 27 | 40 | 24 | 12 | 4 | 9 | 1 | - | 31100 |
| ELECTRICITY | 6 603 | 42 | 135 | 356 | 832 | 1 088 | 900 | 1 288 | 1 154 | 835 | 174 | 60600 |
| COAL OR COKE | 167 | 16 | 23 | 31 | 21 | 32 | 11 | 19 | 14 | - | - | 36600 |
| WOOD | 830 | 71 | 71 | 101 | 106 | 130 | 111 | 112 | 81 | 42 | 4 | 45000 |
| SOLAR HEAT | 13 | - | - | 2 | - | - | - | - | 5 | 6 | - | ... |
| OTHER FUEL | 8 | - | 2 | - | 2 | 2 | - | - | 2 | 1 | - | ... |
| NONE | 174 | 2 | 12 | 6 | 8 | 12 | 7 | 11 | 19 | 69 | 29 | 115100 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| ELECTRICITY PAID FOR | 43 261 | 739 | 2 161 | 3 831 | 5 815 | 6 314 | 5 258 | 6 826 | 6 261 | 5 048 | 1 009 | 55300 |
| LESS THAN $10 | 271 | 24 | 44 | 38 | 23 | 28 | 31 | 18 | 32 | 25 | 7 | 42100 |
| $10 TO $19 | 2 711 | 114 | 297 | 390 | 378 | 342 | 262 | 314 | 325 | 259 | 31 | 45200 |
| $20 TO $29 | 6 205 | 188 | 498 | 791 | 977 | 923 | 732 | 785 | 714 | 504 | 95 | 47000 |
| $30 TO $39 | 7 763 | 170 | 436 | 810 | 1 202 | 1 250 | 959 | 1 261 | 941 | 623 | 110 | 50100 |
| $40 TO $49 | 6 095 | 99 | 281 | 552 | 857 | 965 | 824 | 989 | 830 | 625 | 74 | 53600 |
| $50 TO $59 | 5 603 | 59 | 224 | 466 | 779 | 830 | 696 | 967 | 856 | 622 | 104 | 56400 |
| $60 TO $79 | 6 705 | 40 | 235 | 454 | 856 | 983 | 897 | 1 112 | 1 105 | 866 | 157 | 58700 |
| $80 TO $99 | 3 003 | 24 | 80 | 145 | 332 | 404 | 362 | 571 | 530 | 483 | 71 | 64000 |
| $100 TO $149 | 3 617 | 18 | 42 | 147 | 354 | 487 | 400 | 619 | 654 | 700 | 197 | 68800 |
| $150 OR MORE | 1 287 | 3 | 25 | 39 | 56 | 102 | 95 | 190 | 272 | 341 | 163 | 87100 |
| MEDIAN | 47 | 32 | 35 | 38 | 43 | 46 | 47 | 50 | 53 | 57 | 70 | ... |
| NO ELECTRICITY USED | 32 | 7 | 7 | 2 | 7 | - | 5 | - | 5 | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| GAS PAID FOR | 32 227 | 600 | 1 830 | 3 090 | 4 353 | 4 536 | 3 822 | 4 852 | 4 557 | 3 816 | 771 | 54500 |
| LESS THAN $10 | 1 353 | 37 | 88 | 149 | 174 | 185 | 151 | 165 | 211 | 165 | 28 | 52900 |
| $10 TO $14 | 1 922 | 51 | 121 | 172 | 207 | 229 | 184 | 292 | 311 | 307 | 48 | 59800 |
| $15 TO $19 | 2 057 | 57 | 145 | 172 | 259 | 240 | 200 | 255 | 356 | 313 | 60 | 57800 |
| $20 TO $24 | 2 671 | 61 | 150 | 246 | 333 | 370 | 261 | 387 | 347 | 420 | 97 | 56800 |
| $25 TO $29 | 2 620 | 73 | 159 | 266 | 404 | 395 | 317 | 290 | 357 | 280 | 79 | 50400 |
| $30 TO $39 | 5 373 | 97 | 306 | 644 | 783 | 829 | 631 | 855 | 621 | 510 | 98 | 50400 |
| $40 TO $49 | 4 636 | 83 | 245 | 414 | 714 | 754 | 651 | 702 | 589 | 419 | 66 | 51700 |
| $50 TO $69 | 6 958 | 81 | 390 | 619 | 943 | 1 027 | 925 | 1 205 | 986 | 672 | 112 | 54500 |
| $70 TO $99 | 3 174 | 43 | 156 | 305 | 393 | 370 | 362 | 504 | 541 | 416 | 84 | 58800 |
| $100 OR MORE | 1 464 | 18 | 70 | 106 | 144 | 138 | 140 | 198 | 236 | 314 | 99 | 68800 |
| MEDIAN | 40 | 32 | 37 | 38 | 40 | 40 | 42 | 42 | 41 | 37 | 37 | ... |
| NO GAS USED | 11 066 | 146 | 338 | 742 | 1 469 | 1 779 | 1 441 | 1 974 | 1 709 | 1 232 | 237 | 57400 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 10 705 | 201 | 476 | 865 | 1 370 | 1 559 | 1 340 | 1 854 | 1 616 | 1 194 | 232 | 56600 |
| LESS THAN $100 | 1 555 | 35 | 42 | 70 | 120 | 142 | 194 | 334 | 329 | 239 | 52 | 67900 |
| $100 TO $199 | 1 399 | 27 | 55 | 103 | 133 | 194 | 183 | 220 | 222 | 225 | 37 | 60300 |
| $200 TO $299 | 785 | 28 | 59 | 76 | 106 | 102 | 79 | 120 | 103 | 90 | 23 | 52800 |
| $300 TO $399 | 650 | 25 | 52 | 70 | 107 | 105 | 72 | 102 | 69 | 46 | 1 | 46700 |
| $400 TO $499 | 610 | 19 | 47 | 60 | 116 | 120 | 71 | 86 | 63 | 25 | 4 | 45300 |
| $500 TO $599 | 672 | 9 | 48 | 74 | 115 | 107 | 87 | 109 | 65 | 45 | 14 | 48500 |
| $600 TO $699 | 783 | 15 | 32 | 117 | 121 | 150 | 84 | 104 | 107 | 42 | 12 | 47100 |
| $700 TO $799 | 584 | 14 | 44 | 70 | 99 | 105 | 69 | 81 | 66 | 31 | 5 | 46200 |
| $800 OR MORE | 3 667 | 29 | 98 | 225 | 455 | 534 | 502 | 698 | 592 | 451 | 83 | 59800 |
| MEDIAN | 552 | 343 | 464 | 572 | 590 | 606 | 582 | 558 | 534 | 393 | 474 | ... |
| FUELS NOT USED OR FREE | 32 588 | 545 | 1 692 | 2 968 | 4 452 | 4 756 | 3 923 | 4 972 | 4 650 | 3 854 | 777 | 54800 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 26 271 | 184 | 815 | 1 900 | 3 422 | 4 020 | 3 490 | 4 372 | 3 982 | 3 386 | 697 | 58000 |
| HEAT PUMP | 1 255 | - | 5 | 23 | 58 | 128 | 134 | 260 | 323 | 275 | 48 | 76400 |
| STEAM OR HOT WATER | 5 397 | 11 | 142 | 322 | 591 | 729 | 714 | 1 091 | 968 | 698 | 129 | 62600 |
| BUILT-IN ELECTRIC UNITS | 2 331 | 25 | 70 | 193 | 428 | 451 | 303 | 401 | 289 | 137 | 35 | 50000 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 885 | 45 | 232 | 463 | 482 | 342 | 239 | 298 | 402 | 341 | 41 | 46500 |
| ROOM HEATERS WITH FLUE | 1 469 | 143 | 368 | 355 | 249 | 139 | 80 | 57 | 54 | 17 | 7 | 26300 |
| ROOM HEATERS WITHOUT FLUE | 1 307 | 176 | 313 | 297 | 241 | 133 | 43 | 55 | 26 | 22 | 2 | 25500 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 2 204 | 160 | 211 | 273 | 341 | 360 | 253 | 281 | 202 | 101 | 21 | 43200 |
| NONE | 174 | 2 | 12 | 6 | 8 | 12 | 7 | 11 | 19 | 69 | 29 | 115100 |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 746 | 2 168 | 3 833 | 5 821 | 6 314 | 5 263 | 6 826 | 6 266 | 5 048 | 1 009 | 55300 |
| UNITS OCCUPIED LAST WINTER | 41 278 | 714 | 2 098 | 3 686 | 5 617 | 6 012 | 5 007 | 6 541 | 5 923 | 4 726 | 953 | 55000 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| WITH HEATING EQUIPMENT | 41 122 | 712 | 2 089 | 3 683 | 5 609 | 6 007 | 5 002 | 6 530 | 5 904 | 4 662 | 924 | 54900 |
| NO ROOMS CLOSED | 39 346 | 618 | 1 863 | 3 421 | 5 333 | 5 786 | 4 816 | 6 328 | 5 748 | 4 546 | 888 | 55500 |
| CLOSED CERTAIN ROOMS | 1 332 | 91 | 194 | 228 | 209 | 169 | 120 | 117 | 107 | 74 | 21 | 37300 |
| LIVING ROOM ONLY | 44 | 5 | - | 8 | 5 | 9 | 1 | 6 | 8 | - | - | 43700 |
| DINING ROOM ONLY | 15 | 2 | 2 | 2 | - | 1 | 5 | - | 4 | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 884 | 61 | 160 | 162 | 136 | 112 | 66 | 66 | 64 | 43 | 13 | 34300 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 344 | 21 | 33 | 54 | 67 | 40 | 45 | 40 | 31 | 25 | 8 | 41600 |
| NOT REPORTED | 26 | 2 | - | 2 | 2 | 6 | 3 | 5 | - | 6 | - | ... |
| NOT REPORTED | 444 | 3 | 32 | 33 | 67 | 52 | 65 | 84 | 49 | 42 | 15 | 55200 |
| NO HEATING EQUIPMENT | 156 | 2 | 9 | 4 | 8 | 5 | 5 | 11 | 19 | 64 | 29 | 122700 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE A-3. VALUE OF OWNER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | LESS THAN $10,000 | $10,000 TO $19,999 | $20,000 TO $29,999 | $30,000 TO $39,999 | $40,000 TO $49,999 | $50,000 TO $59,999 | $60,000 TO $74,999 | $75,000 TO $99,999 | $100,000 TO $199,999 | $200,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED OWNER OCCUPIED[1]--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 37 755 | 391 | 1 578 | 3 146 | 5 051 | 5 529 | 4 724 | 6 205 | 5 683 | 4 547 | 902 | 56700 |
| NO ADDITIONAL HEAT SOURCE USED | 34 627 | 321 | 1 354 | 2 800 | 4 585 | 5 085 | 4 412 | 5 777 | 5 256 | 4 190 | 848 | 57200 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 2 490 | 58 | 190 | 289 | 382 | 349 | 237 | 325 | 337 | 288 | 36 | 49400 |
| NOT REPORTED | 638 | 12 | 34 | 57 | 85 | 95 | 75 | 102 | 90 | 69 | 18 | 54800 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 523 | 323 | 520 | 541 | 566 | 483 | 283 | 336 | 240 | 179 | 52 | 36700 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 37 755 | 391 | 1 578 | 3 146 | 5 051 | 5 529 | 4 724 | 6 205 | 5 683 | 4 547 | 902 | 56700 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 30 479 | 175 | 860 | 1 975 | 3 870 | 4 551 | 4 017 | 5 386 | 4 908 | 3 948 | 789 | 59500 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 6 623 | 205 | 688 | 1 106 | 1 095 | 891 | 623 | 706 | 683 | 535 | 90 | 42400 |
| 1 ROOM | 2 050 | 53 | 130 | 267 | 298 | 292 | 248 | 291 | 251 | 178 | 41 | 49500 |
| 2 ROOMS | 1 627 | 45 | 190 | 299 | 256 | 230 | 132 | 166 | 149 | 132 | 28 | 41000 |
| 3 ROOMS OR MORE | 2 946 | 107 | 368 | 540 | 542 | 369 | 242 | 250 | 283 | 225 | 21 | 38500 |
| NOT REPORTED | 654 | 10 | 30 | 65 | 86 | 87 | 84 | 113 | 92 | 64 | 22 | 55700 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 523 | 323 | 520 | 541 | 566 | 483 | 283 | 336 | 240 | 179 | 52 | 36700 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 37 755 | 391 | 1 578 | 3 146 | 5 051 | 5 529 | 4 724 | 6 205 | 5 683 | 4 547 | 902 | 56700 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 523 | 323 | 520 | 541 | 566 | 483 | 283 | 336 | 240 | 179 | 52 | 36700 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 2 848 | 248 | 393 | 434 | 449 | 425 | 250 | 264 | 189 | 158 | 39 | 37800 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 294 | 57 | 76 | 42 | 51 | 9 | 15 | 17 | 12 | 11 | 6 | 23400 |
| NOT REPORTED | 380 | 19 | 51 | 65 | 66 | 49 | 19 | 55 | 38 | 11 | 7 | 38400 |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 746 | 2 168 | 3 833 | 5 821 | 6 314 | 5 263 | 6 826 | 6 266 | 5 048 | 1 009 | 55300 |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 26 740 | 264 | 1 015 | 2 056 | 3 527 | 4 031 | 3 432 | 4 530 | 4 076 | 3 201 | 609 | 57200 |
| ROOM UNITS | 12 959 | 242 | 872 | 1 650 | 2 452 | 2 221 | 1 575 | 1 806 | 1 246 | 783 | 112 | 45700 |
| 1 | 7 633 | 205 | 630 | 1 107 | 1 526 | 1 366 | 854 | 913 | 609 | 377 | 48 | 42600 |
| 2 | 3 729 | 34 | 200 | 437 | 703 | 641 | 520 | 609 | 361 | 195 | 29 | 47600 |
| 3 | 1 128 | 3 | 39 | 86 | 186 | 173 | 153 | 195 | 184 | 96 | 13 | 55100 |
| 4 | 326 | - | 2 | 12 | 31 | 35 | 31 | 69 | 61 | 74 | 11 | 71200 |
| 5 OR MORE | 141 | - | 2 | 7 | 6 | 5 | 16 | 20 | 31 | 41 | 12 | 86200 |
| CENTRAL SYSTEM | 13 781 | 22 | 143 | 406 | 1 076 | 1 810 | 1 857 | 2 723 | 2 829 | 2 418 | 497 | 68700 |
| WITH NO AIR CONDITIONING | 16 553 | 482 | 1 153 | 1 777 | 2 294 | 2 283 | 1 831 | 2 296 | 2 190 | 1 847 | 400 | 51600 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE A-4. GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | LESS THAN $100 | $100 TO $149 | $150 TO $199 | $200 TO $249 | $250 TO $299 | $300 TO $349 | $350 TO $399 | $400 TO $499 | $500 OR MORE | NO CASH RENT | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 1 754 | 2 030 | 3 332 | 4 432 | 4 418 | 3 810 | 2 573 | 2 637 | 1 813 | 1 326 | 271 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| UTILITY GAS | 15 135 | 863 | 1 201 | 2 143 | 2 495 | 2 386 | 1 946 | 1 313 | 1 245 | 966 | 576 | 262 |
| BOTTLED, TANK, OR LP GAS | 716 | 55 | 61 | 122 | 121 | 78 | 47 | 36 | 26 | 19 | 151 | 218 |
| FUEL OIL | 4 927 | 247 | 319 | 496 | 879 | 829 | 731 | 431 | 435 | 306 | 254 | 273 |
| KEROSENE, ETC | 86 | 1 | 16 | 20 | 20 | 13 | 5 | - | - | - | 11 | 200 |
| ELECTRICITY | 6 293 | 460 | 289 | 382 | 770 | 1 037 | 1 032 | 751 | 881 | 464 | 227 | 305 |
| COAL OR COKE | 91 | 16 | 10 | 24 | 15 | 7 | 3 | - | 1 | - | 15 | 175 |
| WOOD | 436 | 82 | 81 | 63 | 53 | 31 | 17 | 14 | 11 | 16 | 67 | 166 |
| SOLAR HEAT | 5 | - | - | - | - | - | 2 | 2 | - | - | 1 | ... |
| OTHER FUEL | 62 | 9 | 5 | 15 | 17 | 4 | 2 | 2 | - | 6 | 2 | 202 |
| NONE | 372 | 21 | 47 | 66 | 61 | 33 | 25 | 25 | 37 | 36 | 22 | 233 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| ELECTRICITY PAID FOR | 22 799 | 840 | 1 380 | 2 490 | 3 626 | 3 835 | 3 365 | 2 263 | 2 376 | 1 678 | 947 | 283 |
| LESS THAN $10 | 1 240 | 108 | 132 | 185 | 201 | 210 | 175 | 99 | 83 | 22 | 25 | 245 |
| $10 TO $19 | 4 975 | 339 | 428 | 752 | 875 | 865 | 653 | 407 | 307 | 196 | 153 | 251 |
| $20 TO $29 | 5 165 | 232 | 389 | 637 | 959 | 950 | 751 | 415 | 411 | 239 | 181 | 264 |
| $30 TO $39 | 3 909 | 92 | 200 | 419 | 688 | 785 | 577 | 354 | 391 | 226 | 177 | 279 |
| $40 TO $49 | 2 330 | 25 | 103 | 223 | 374 | 375 | 376 | 274 | 250 | 187 | 142 | 298 |
| $50 TO $59 | 1 796 | 34 | 71 | 162 | 221 | 262 | 300 | 226 | 256 | 158 | 105 | 315 |
| $60 TO $79 | 1 843 | 5 | 42 | 79 | 239 | 266 | 349 | 296 | 268 | 220 | 79 | 335 |
| $80 TO $99 | 631 | 4 | 12 | 15 | 48 | 69 | 94 | 87 | 165 | 107 | 30 | 383 |
| $100 TO $149 | 645 | - | 4 | 15 | 18 | 44 | 70 | 86 | 179 | 189 | 41 | 437 |
| $150 OR MORE | 264 | - | - | 1 | 2 | 8 | 20 | 19 | 66 | 134 | 14 | 500+ |
| MEDIAN | 30 | 18 | 23 | 24 | 27 | 28 | 32 | 35 | 39 | 48 | 36 | ... |
| INCLUDED IN RENT | 5 247 | 893 | 642 | 825 | 790 | 580 | 440 | 308 | 256 | 134 | 378 | 205 |
| NO ELECTRICITY USED | 77 | 21 | 7 | 17 | 15 | 4 | 5 | 2 | 5 | - | 1 | 178 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| GAS PAID FOR | 13 842 | 409 | 934 | 1 741 | 2 453 | 2 340 | 1 865 | 1 225 | 1 220 | 1 045 | 611 | 273 |
| LESS THAN $10 | 2 694 | 118 | 201 | 322 | 490 | 471 | 417 | 255 | 213 | 125 | 82 | 268 |
| $10 TO $14 | 2 168 | 87 | 149 | 266 | 367 | 358 | 289 | 199 | 199 | 181 | 74 | 274 |
| $15 TO $19 | 1 567 | 65 | 121 | 189 | 293 | 245 | 197 | 123 | 162 | 124 | 48 | 268 |
| $20 TO $24 | 1 354 | 55 | 98 | 171 | 219 | 204 | 176 | 121 | 122 | 110 | 79 | 273 |
| $25 TO $29 | 1 026 | 34 | 104 | 147 | 186 | 190 | 121 | 74 | 62 | 61 | 50 | 255 |
| $30 TO $39 | 1 642 | 39 | 132 | 248 | 265 | 286 | 189 | 120 | 144 | 128 | 91 | 266 |
| $40 TO $49 | 1 105 | 11 | 56 | 174 | 223 | 167 | 129 | 102 | 100 | 83 | 60 | 267 |
| $50 TO $69 | 1 358 | - | 61 | 186 | 258 | 234 | 171 | 130 | 111 | 129 | 77 | 278 |
| $70 TO $99 | 614 | - | 11 | 40 | 119 | 129 | 109 | 68 | 58 | 50 | 31 | 296 |
| $100 OR MORE | 313 | - | - | - | 34 | 55 | 68 | 34 | 48 | 55 | 20 | 342 |
| MEDIAN | 21 | 14 | 19 | 22 | 21 | 22 | 21 | 21 | 21 | 23 | 27 | ... |
| INCLUDED IN RENT | 7 840 | 910 | 724 | 1 119 | 1 144 | 1 051 | 931 | 654 | 611 | 318 | 378 | 242 |
| NO GAS USED | 6 442 | 435 | 372 | 471 | 834 | 1 027 | 1 014 | 694 | 806 | 450 | 337 | 295 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 231 | 90 | 165 | 213 | 292 | 282 | 248 | 194 | 268 | 232 | 248 | 290 |
| LESS THAN $100 | 400 | 23 | 35 | 33 | 48 | 50 | 41 | 28 | 53 | 47 | 42 | 290 |
| $100 TO $199 | 277 | 30 | 33 | 33 | 20 | 22 | 16 | 20 | 47 | 37 | 18 | 279 |
| $200 TO $299 | 200 | 18 | 31 | 24 | 16 | 15 | 11 | 6 | 20 | 21 | 38 | 223 |
| $300 TO $399 | 166 | 14 | 20 | 19 | 34 | 18 | 17 | 14 | 7 | 14 | 10 | 237 |
| $400 TO $499 | 197 | 2 | 12 | 33 | 45 | 21 | 34 | 10 | 8 | 12 | 21 | 245 |
| $500 TO $599 | 148 | 3 | 12 | 15 | 33 | 24 | 15 | 7 | 17 | 5 | 18 | 255 |
| $600 TO $699 | 188 | - | 15 | 19 | 46 | 31 | 18 | 18 | 6 | 9 | 27 | 251 |
| $700 TO $799 | 103 | - | 2 | 12 | 16 | 21 | 5 | 14 | 13 | 7 | 14 | 286 |
| $800 OR MORE | 552 | - | 6 | 25 | 36 | 81 | 90 | 78 | 96 | 81 | 60 | 355 |
| MEDIAN | 437 | 171 | 247 | 386 | 464 | 569 | 526 | 673 | 473 | 376 | 473 | ... |
| INCLUDED IN RENT | 5 137 | 352 | 414 | 601 | 866 | 869 | 738 | 449 | 421 | 331 | 146 | 266 |
| FUELS NOT USED OR FREE | 20 705 | 1 313 | 1 450 | 2 518 | 3 273 | 3 266 | 2 824 | 1 930 | 1 948 | 1 250 | 932 | 270 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 10 687 | 396 | 444 | 928 | 1 476 | 1 842 | 1 646 | 1 180 | 1 268 | 984 | 523 | 299 |
| HEAT PUMP | 407 | 9 | 11 | 14 | 37 | 59 | 57 | 54 | 81 | 68 | 16 | 358 |
| STEAM OR HOT WATER | 6 742 | 430 | 448 | 807 | 1 190 | 1 192 | 1 009 | 594 | 555 | 352 | 165 | 267 |
| BUILT-IN ELECTRIC UNITS | 3 063 | 332 | 188 | 246 | 491 | 488 | 429 | 294 | 332 | 142 | 119 | 271 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 969 | 105 | 213 | 402 | 505 | 444 | 435 | 292 | 283 | 187 | 102 | 273 |
| ROOM HEATERS WITH FLUE | 1 667 | 150 | 282 | 400 | 340 | 184 | 89 | 52 | 41 | 14 | 115 | 192 |
| ROOM HEATERS WITHOUT FLUE | 1 190 | 152 | 204 | 293 | 185 | 97 | 69 | 43 | 20 | 6 | 121 | 180 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 026 | 159 | 193 | 175 | 146 | 78 | 51 | 39 | 20 | 24 | 142 | 175 |
| NONE | 372 | 21 | 47 | 66 | 61 | 33 | 25 | 25 | 37 | 36 | 22 | 233 |
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 1 754 | 2 030 | 3 332 | 4 432 | 4 418 | 3 810 | 2 573 | 2 637 | 1 813 | 1 326 | 271 |
| UNITS OCCUPIED LAST WINTER | 18 914 | 1 445 | 1 620 | 2 390 | 2 946 | 2 897 | 2 436 | 1 614 | 1 526 | 1 001 | 1 039 | 259 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| WITH HEATING EQUIPMENT | 18 460 | 1 431 | 1 587 | 2 342 | 2 903 | 2 875 | 2 418 | 1 600 | 1 509 | 975 | 1 020 | 259 |
| NO ROOMS CLOSED | 17 180 | 1 331 | 1 431 | 2 109 | 2 670 | 2 669 | 2 237 | 1 492 | 1 424 | 903 | 915 | 261 |
| CLOSED CERTAIN ROOMS | 1 141 | 81 | 141 | 193 | 203 | 157 | 145 | 70 | 51 | 30 | 71 | 229 |
| LIVING ROOM ONLY | 79 | 3 | 9 | 14 | 14 | 17 | 12 | 3 | 2 | 2 | 2 | 241 |
| DINING ROOM ONLY | 12 | - | - | 2 | 3 | 3 | - | 2 | - | 2 | - | ... |
| 1 OR MORE BEDROOMS ONLY | 703 | 56 | 83 | 121 | 123 | 95 | 90 | 38 | 33 | 15 | 50 | 227 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 329 | 21 | 46 | 53 | 60 | 40 | 40 | 25 | 16 | 11 | 20 | 230 |
| NOT REPORTED | 18 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | - | - | - | ... |
| NOT REPORTED | 338 | 19 | 14 | 39 | 30 | 49 | 37 | 38 | 34 | 42 | 34 | 298 |
| NO HEATING EQUIPMENT | 254 | 14 | 33 | 48 | 42 | 22 | 18 | 14 | 17 | 26 | 19 | 226 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE A-4. GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | LESS THAN $100 | $100 TO $149 | $150 TO $199 | $200 TO $249 | $250 TO $299 | $300 TO $349 | $350 TO $399 | $400 TO $499 | $500 OR MORE | NO CASH RENT | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED RENTER OCCUPIED[1]--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 17 067 | 1 166 | 1 268 | 2 030 | 2 676 | 2 778 | 2 349 | 1 547 | 1 490 | 959 | 804 | 267 |
| NO ADDITIONAL HEAT SOURCE USED | 14 329 | 991 | 1 039 | 1 665 | 2 174 | 2 343 | 1 997 | 1 299 | 1 285 | 833 | 703 | 270 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 2 294 | 136 | 203 | 316 | 436 | 366 | 293 | 215 | 163 | 92 | 72 | 253 |
| NOT REPORTED | 444 | 40 | 26 | 48 | 67 | 68 | 58 | 33 | 42 | 33 | 29 | 270 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 846 | 278 | 352 | 360 | 270 | 119 | 87 | 67 | 36 | 42 | 235 | 174 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 17 067 | 1 166 | 1 268 | 2 030 | 2 676 | 2 778 | 2 349 | 1 547 | 1 490 | 959 | 804 | 267 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 13 230 | 960 | 879 | 1 400 | 1 994 | 2 218 | 1 864 | 1 277 | 1 239 | 809 | 590 | 274 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 384 | 158 | 362 | 580 | 611 | 496 | 432 | 232 | 205 | 118 | 192 | 240 |
| 1 ROOM | 1 180 | 56 | 137 | 203 | 204 | 183 | 159 | 80 | 68 | 27 | 61 | 239 |
| 2 ROOMS | 1 100 | 50 | 124 | 172 | 184 | 163 | 143 | 81 | 84 | 35 | 64 | 246 |
| 3 ROOMS OR MORE | 1 104 | 52 | 101 | 204 | 223 | 150 | 129 | 71 | 52 | 56 | 67 | 235 |
| NOT REPORTED | 453 | 49 | 27 | 49 | 72 | 65 | 53 | 39 | 47 | 31 | 22 | 264 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 846 | 278 | 352 | 360 | 270 | 119 | 87 | 67 | 36 | 42 | 235 | 174 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 17 067 | 1 166 | 1 268 | 2 030 | 2 676 | 2 778 | 2 349 | 1 547 | 1 490 | 959 | 804 | 267 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 846 | 278 | 352 | 360 | 270 | 119 | 87 | 67 | 36 | 42 | 235 | 174 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 307 | 203 | 255 | 247 | 181 | 87 | 59 | 56 | 29 | 29 | 161 | 173 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 370 | 52 | 76 | 62 | 61 | 19 | 19 | 9 | 3 | 11 | 59 | 172 |
| NOT REPORTED | 169 | 24 | 20 | 51 | 28 | 14 | 10 | 2 | 3 | 3 | 15 | 182 |
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 1 754 | 2 030 | 3 332 | 4 432 | 4 418 | 3 810 | 2 573 | 2 637 | 1 813 | 1 326 | 271 |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 13 980 | 521 | 628 | 1 182 | 1 871 | 2 343 | 2 289 | 1 678 | 1 649 | 1 190 | 630 | 303 |
| ROOM UNITS | 8 053 | 341 | 515 | 979 | 1 365 | 1 290 | 1 189 | 842 | 661 | 452 | 409 | 274 |
| 1 | 6 192 | 318 | 460 | 824 | 1 149 | 1 028 | 884 | 586 | 411 | 235 | 296 | 259 |
| 2 | 1 586 | 20 | 50 | 138 | 202 | 234 | 279 | 212 | 212 | 166 | 74 | 320 |
| 3 | 221 | - | 4 | 9 | 10 | 20 | 21 | 40 | 36 | 51 | 30 | 389 |
| 4 | 39 | 3 | 2 | 6 | 3 | 6 | 5 | 2 | 2 | 8 | 2 | 288 |
| 5 OR MORE | 15 | - | - | 3 | - | 2 | - | 2 | - | 2 | 7 | ... |
| CENTRAL SYSTEM | 5 926 | 180 | 112 | 202 | 506 | 1 053 | 1 100 | 836 | 988 | 728 | 222 | 336 |
| WITH NO AIR CONDITIONING | 14 144 | 1 233 | 1 402 | 2 150 | 2 561 | 2 075 | 1 522 | 895 | 988 | 623 | 696 | 237 |

[1] EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2] EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE A-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 56 916 | 9 847 | 3 784 | 3 340 | 5 418 | 3 871 |
| HOUSE HEATING FUEL | | | | | | | |
| OWNER OCCUPIED | 54 342 | 47 764 | 2 374 | 285 | 187 | 580 | 3 152 |
| UTILITY GAS | 30 796 | 27 888 | 1 428 | 157 | 66 | 123 | 1 134 |
| BOTTLED, TANK, OR LP GAS | 3 283 | 2 445 | 12 | - | 4 | 2 | 820 |
| FUEL OIL | 9 025 | 7 839 | 599 | 29 | 19 | 178 | 361 |
| KEROSENE, ETC | 281 | 196 | 4 | - | - | - | 81 |
| ELECTRICITY | 9 132 | 7 736 | 308 | 93 | 95 | 253 | 647 |
| COAL OR COKE | 250 | 246 | - | - | - | - | 3 |
| WOOD | 1 328 | 1 206 | 18 | 2 | - | - | 102 |
| SOLAR HEAT | 13 | 13 | - | - | - | - | - |
| OTHER FUEL | 21 | 18 | - | - | - | 2 | 1 |
| NONE | 213 | 176 | 5 | 4 | 4 | 22 | 2 |
| RENTER OCCUPIED | 28 833 | 9 153 | 7 472 | 3 499 | 3 152 | 4 838 | 718 |
| UTILITY GAS | 15 287 | 5 337 | 4 708 | 1 805 | 1 495 | 1 580 | 262 |
| BOTTLED, TANK, OR LP GAS | 882 | 588 | 56 | 9 | 3 | 5 | 221 |
| FUEL OIL | 5 100 | 1 126 | 1 287 | 504 | 438 | 1 657 | 38 |
| KEROSENE, ETC | 88 | 52 | 9 | 3 | - | - | 13 |
| ELECTRICITY | 6 354 | 1 264 | 1 287 | 1 132 | 1 178 | 1 366 | 127 |
| COAL OR COKE | 111 | 79 | 20 | 7 | - | 5 | - |
| WOOD | 566 | 528 | 24 | 4 | - | 5 | 5 |
| SOLAR HEAT | 5 | 1 | - | 2 | 2 | - | - |
| OTHER FUEL | 63 | 2 | 3 | 5 | 12 | 41 | - |
| NONE | 376 | 165 | 78 | 28 | 25 | 78 | 3 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 43 293 | ... | ... | ... | ... | ... |
| ELECTRICITY PAID FOR | 43 261 | 43 261 | ... | ... | ... | ... | ... |
| LESS THAN $10 | 271 | 271 | ... | ... | ... | ... | ... |
| $10 TO $19 | 2 711 | 2 711 | ... | ... | ... | ... | ... |
| $20 TO $29 | 6 205 | 6 205 | ... | ... | ... | ... | ... |
| $30 TO $39 | 7 763 | 7 763 | ... | ... | ... | ... | ... |
| $40 TO $49 | 6 095 | 6 095 | ... | ... | ... | ... | ... |
| $50 TO $59 | 5 603 | 5 603 | ... | ... | ... | ... | ... |
| $60 TO $79 | 6 705 | 6 705 | ... | ... | ... | ... | ... |
| $80 TO $99 | 3 003 | 3 003 | ... | ... | ... | ... | ... |
| $100 TO $149 | 3 617 | 3 617 | ... | ... | ... | ... | ... |
| $150 OR MORE | 1 287 | 1 287 | ... | ... | ... | ... | ... |
| MEDIAN | 47 | 47 | ... | ... | ... | ... | ... |
| NO ELECTRICITY USED | 32 | 32 | ... | ... | ... | ... | ... |
| SPECIFIED RENTER OCCUPIED[2] | 28 123 | 8 443 | 7 472 | 3 499 | 3 152 | 4 838 | 718 |
| ELECTRICITY PAID FOR | 22 799 | 7 738 | 6 263 | 2 645 | 2 504 | 3 024 | 626 |
| LESS THAN $10 | 1 240 | 188 | 373 | 189 | 221 | 253 | 16 |
| $10 TO $19 | 4 975 | 1 136 | 1 611 | 698 | 677 | 759 | 94 |
| $20 TO $29 | 5 165 | 1 633 | 1 578 | 582 | 467 | 797 | 109 |
| $30 TO $39 | 3 909 | 1 452 | 1 024 | 391 | 380 | 515 | 147 |
| $40 TO $49 | 2 330 | 1 018 | 536 | 263 | 244 | 224 | 45 |
| $50 TO $59 | 1 796 | 738 | 427 | 187 | 198 | 191 | 54 |
| $60 TO $79 | 1 843 | 781 | 410 | 196 | 174 | 186 | 96 |
| $80 TO $99 | 631 | 304 | 126 | 73 | 60 | 41 | 27 |
| $100 TO $149 | 645 | 346 | 133 | 51 | 54 | 36 | 25 |
| $150 OR MORE | 264 | 143 | 45 | 15 | 27 | 20 | 14 |
| MEDIAN | 30 | 36 | 27 | 27 | 27 | 26 | 36 |
| INCLUDED IN RENT | 5 247 | 692 | 1 196 | 841 | 640 | 1 788 | 91 |
| NO ELECTRICITY USED | 77 | 13 | 13 | 13 | 9 | 26 | 1 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 43 293 | ... | ... | ... | ... | ... |
| GAS PAID FOR | 32 227 | 32 227 | ... | ... | ... | ... | ... |
| LESS THAN $10 | 1 353 | 1 353 | ... | ... | ... | ... | ... |
| $10 TO $14 | 1 922 | 1 922 | ... | ... | ... | ... | ... |
| $15 TO $19 | 2 057 | 2 057 | ... | ... | ... | ... | ... |
| $20 TO $24 | 2 671 | 2 671 | ... | ... | ... | ... | ... |
| $25 TO $29 | 2 620 | 2 620 | ... | ... | ... | ... | ... |
| $30 TO $39 | 5 373 | 5 373 | ... | ... | ... | ... | ... |
| $40 TO $49 | 4 636 | 4 636 | ... | ... | ... | ... | ... |
| $50 TO $69 | 6 958 | 6 958 | ... | ... | ... | ... | ... |
| $70 TO $99 | 3 174 | 3 174 | ... | ... | ... | ... | ... |
| $100 OR MORE | 1 464 | 1 464 | ... | ... | ... | ... | ... |
| MEDIAN | 40 | 40 | ... | ... | ... | ... | ... |
| NO GAS USED | 11 066 | 11 066 | ... | ... | ... | ... | ... |

[1] LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2] EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE A-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | HOUSING UNITS IN STRUCTURE: 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 8 443 | 7 472 | 3 499 | 3 152 | 4 838 | 718 |
| GAS PAID FOR | 13 842 | 5 693 | 4 390 | 1 238 | 841 | 1 208 | 472 |
| LESS THAN $10 | 2 694 | 457 | 819 | 406 | 336 | 612 | 64 |
| $10 TO $14 | 2 168 | 689 | 690 | 239 | 192 | 275 | 83 |
| $15 TO $19 | 1 567 | 595 | 538 | 147 | 102 | 126 | 59 |
| $20 TO $24 | 1 354 | 655 | 375 | 110 | 55 | 86 | 73 |
| $25 TO $29 | 1 026 | 527 | 325 | 87 | 22 | 30 | 36 |
| $30 TO $39 | 1 642 | 839 | 544 | 100 | 70 | 41 | 48 |
| $40 TO $49 | 1 105 | 657 | 333 | 52 | 14 | 23 | 25 |
| $50 TO $69 | 1 358 | 765 | 446 | 63 | 36 | 9 | 39 |
| $70 TO $99 | 614 | 351 | 206 | 20 | 9 | 4 | 24 |
| $100 OR MORE | 313 | 136 | 113 | 14 | 5 | 3 | 21 |
| MEDIAN | 21 | 28 | 22 | 14 | 12 | 10- | 22 |
| INCLUDED IN RENT | 7 840 | 987 | 1 730 | 1 261 | 1 311 | 2 419 | 131 |
| NO GAS USED | 6 442 | 1 763 | 1 353 | 1 000 | 1 001 | 1 211 | 115 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 43 293 | 43 293 | ... | ... | ... | ... | ... |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 10 705 | 10 705 | ... | ... | ... | ... | ... |
| LESS THAN $100 | 1 555 | 1 555 | ... | ... | ... | ... | ... |
| $100 TO $199 | 1 399 | 1 399 | ... | ... | ... | ... | ... |
| $200 TO $299 | 785 | 785 | ... | ... | ... | ... | ... |
| $300 TO $399 | 650 | 650 | ... | ... | ... | ... | ... |
| $400 TO $499 | 610 | 610 | ... | ... | ... | ... | ... |
| $500 TO $599 | 672 | 672 | ... | ... | ... | ... | ... |
| $600 TO $699 | 783 | 783 | ... | ... | ... | ... | ... |
| $700 TO $799 | 584 | 584 | ... | ... | ... | ... | ... |
| $800 OR MORE | 3 667 | 3 667 | ... | ... | ... | ... | ... |
| MEDIAN | 552 | 552 | ... | ... | ... | ... | ... |
| FUELS NOT USED OR FREE | 32 588 | 32 588 | ... | ... | ... | ... | ... |
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 8 443 | 7 472 | 3 499 | 3 152 | 4 838 | 718 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 231 | 1 521 | 442 | 44 | 25 | 89 | 111 |
| LESS THAN $100 | 400 | 246 | 38 | 22 | 12 | 77 | 5 |
| $100 TO $199 | 277 | 205 | 39 | 4 | 6 | 8 | 15 |
| $200 TO $299 | 200 | 161 | 28 | 2 | - | - | 9 |
| $300 TO $399 | 166 | 114 | 27 | - | 3 | 2 | 20 |
| $400 TO $499 | 197 | 135 | 39 | 5 | - | - | 17 |
| $500 TO $599 | 148 | 100 | 25 | 2 | 3 | - | 19 |
| $600 TO $699 | 188 | 126 | 42 | 4 | - | 2 | 14 |
| $700 TO $799 | 103 | 70 | 23 | 3 | - | - | 7 |
| $800 OR MORE | 552 | 363 | 180 | 2 | 2 | - | 5 |
| MEDIAN | 437 | 425 | 659 | 100- | ... | 100- | 437 |
| INCLUDED IN RENT | 5 187 | 505 | 1 500 | 664 | 579 | 1 859 | 80 |
| FUELS NOT USED OR FREE | 20 705 | 6 417 | 5 530 | 2 791 | 2 549 | 2 890 | 527 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 56 916 | 9 847 | 3 784 | 3 340 | 5 418 | 3 871 |
| HEATING EQUIPMENT | | | | | | | |
| OWNER OCCUPIED | 54 342 | 47 764 | 2 374 | 285 | 187 | 580 | 3 152 |
| WARM-AIR FURNACE | 32 059 | 28 224 | 950 | 151 | 64 | 204 | 2 465 |
| HEAT PUMP | 1 601 | 1 409 | 40 | 16 | 13 | 87 | 36 |
| STEAM OR HOT WATER | 7 014 | 5 785 | 949 | 48 | 37 | 190 | 6 |
| BUILT-IN ELECTRIC UNITS | 3 149 | 2 693 | 146 | 47 | 68 | 72 | 124 |
| FLOOR, WALL, OR PIPELESS FURNACE | 3 324 | 3 051 | 83 | 6 | 2 | - | 181 |
| ROOM HEATERS WITH FLUE | 1 976 | 1 793 | 108 | 7 | - | 4 | 64 |
| ROOM HEATERS WITHOUT FLUE | 1 643 | 1 553 | 40 | - | - | - | 50 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 3 363 | 3 079 | 53 | 3 | - | 2 | 226 |
| NONE | 213 | 176 | 5 | 4 | 4 | 22 | 2 |
| RENTER OCCUPIED | 28 833 | 9 153 | 7 472 | 3 499 | 3 152 | 4 838 | 718 |
| WARM-AIR FURNACE | 10 885 | 3 621 | 2 738 | 1 449 | 1 306 | 1 226 | 544 |
| HEAT PUMP | 411 | 94 | 70 | 57 | 56 | 130 | 4 |
| STEAM OR HOT WATER | 6 789 | 609 | 2 014 | 940 | 899 | 2 325 | 1 |
| BUILT-IN ELECTRIC UNITS | 3 097 | 603 | 709 | 459 | 519 | 773 | 34 |
| FLOOR, WALL, OR PIPELESS FURNACE | 3 021 | 1 313 | 792 | 354 | 240 | 267 | 55 |
| ROOM HEATERS WITH FLUE | 1 743 | 860 | 647 | 129 | 69 | 17 | 20 |
| ROOM HEATERS WITHOUT FLUE | 1 268 | 889 | 279 | 50 | 25 | 5 | 19 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 244 | 999 | 145 | 33 | 14 | 15 | 37 |
| NONE | 376 | 165 | 78 | 28 | 25 | 78 | 3 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE A-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 56 916 | 9 847 | 3 784 | 3 340 | 5 418 | 3 871 |
| UNITS OCCUPIED LAST WINTER | 70 933 | 51 855 | 7 434 | 2 533 | 2 121 | 3 933 | 3 057 |
| INSUFFICIENT HEAT | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | |
| OWNER OCCUPIED | 51 475 | 45 567 | 2 253 | 252 | 159 | 528 | 2 715 |
| WITH HEATING EQUIPMENT | 51 282 | 45 409 | 2 248 | 249 | 155 | 506 | 2 715 |
| NO ROOMS CLOSED | 48 972 | 43 315 | 2 168 | 244 | 154 | 486 | 2 604 |
| CLOSED CERTAIN ROOMS | 1 732 | 1 596 | 50 | 3 | - | 8 | 75 |
| LIVING ROOM ONLY | 53 | 48 | 4 | - | - | - | 2 |
| DINING ROOM ONLY | 19 | 19 | - | - | - | - | - |
| 1 OR MORE BEDROOMS ONLY | 1 176 | 1 079 | 30 | 1 | - | 2 | 65 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 454 | 423 | 15 | 2 | - | 6 | 9 |
| NOT REPORTED | 30 | 28 | 2 | - | - | - | - |
| NOT REPORTED | 578 | 497 | 29 | 2 | 1 | 12 | 36 |
| NO HEATING EQUIPMENT | 193 | 158 | 5 | 4 | 4 | 22 | - |
| RENTER OCCUPIED | 19 458 | 6 288 | 5 181 | 2 281 | 1 962 | 3 405 | 342 |
| WITH HEATING EQUIPMENT | 19 204 | 6 174 | 5 128 | 2 257 | 1 952 | 3 354 | 339 |
| NO ROOMS CLOSED | 17 652 | 5 424 | 4 746 | 2 132 | 1 849 | 3 195 | 307 |
| CLOSED CERTAIN ROOMS | 1 205 | 617 | 311 | 87 | 61 | 105 | 23 |
| LIVING ROOM ONLY | 79 | 20 | 35 | 5 | 10 | 9 | - |
| DINING ROOM ONLY | 12 | 2 | 2 | 2 | 5 | 2 | - |
| 1 OR MORE BEDROOMS ONLY | 745 | 399 | 163 | 52 | 30 | 80 | 21 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 348 | 188 | 104 | 27 | 15 | 14 | - |
| NOT REPORTED | 21 | 8 | 7 | 2 | 2 | 2 | 1 |
| NOT REPORTED | 347 | 133 | 71 | 37 | 42 | 54 | 10 |
| NO HEATING EQUIPMENT | 254 | 114 | 53 | 23 | 10 | 51 | 3 |
| ADDITIONAL HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 51 475 | 45 567 | 2 253 | 252 | 159 | 528 | 2 715 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 40 953 | 2 159 | 246 | 155 | 504 | 2 465 |
| NO ADDITIONAL HEAT SOURCE USED | 42 580 | 37 478 | 1 977 | 230 | 150 | 445 | 2 301 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 3 055 | 2 738 | 133 | 12 | 5 | 42 | 124 |
| NOT REPORTED | 847 | 737 | 49 | 4 | - | 17 | 40 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 4 614 | 94 | 7 | 4 | 24 | 250 |
| RENTER OCCUPIED | 19 458 | 6 288 | 5 181 | 2 281 | 1 962 | 3 405 | 342 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 4 764 | 4 844 | 2 205 | 1 933 | 3 337 | 308 |
| NO ADDITIONAL HEAT SOURCE USED | 14 611 | 4 007 | 4 115 | 1 874 | 1 646 | 2 699 | 270 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 2 329 | 601 | 611 | 276 | 249 | 561 | 30 |
| NOT REPORTED | 451 | 156 | 119 | 55 | 37 | 76 | 8 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 1 524 | 337 | 76 | 29 | 68 | 34 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 51 475 | 45 567 | 2 253 | 252 | 159 | 528 | 2 715 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 40 953 | 2 159 | 246 | 155 | 504 | 2 465 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 37 715 | 32 744 | 1 804 | 222 | 144 | 465 | 2 336 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 7 891 | 7 447 | 307 | 20 | 9 | 22 | 86 |
| 1 ROOM | 2 411 | 2 224 | 108 | 5 | 5 | 15 | 54 |
| 2 ROOMS | 1 944 | 1 839 | 80 | 6 | - | 7 | 12 |
| 3 ROOMS OR MORE | 3 536 | 3 384 | 120 | 9 | 4 | - | 20 |
| NOT REPORTED | 876 | 763 | 48 | 4 | 2 | 17 | 43 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 4 614 | 94 | 7 | 4 | 24 | 250 |
| RENTER OCCUPIED | 19 456 | 6 288 | 5 181 | 2 281 | 1 962 | 3 405 | 342 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 4 764 | 4 844 | 2 205 | 1 933 | 3 337 | 308 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 13 405 | 2 934 | 3 626 | 1 802 | 1 708 | 3 043 | 292 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 523 | 1 680 | 1 092 | 343 | 184 | 215 | 9 |
| 1 ROOM | 1 210 | 364 | 454 | 149 | 110 | 129 | 3 |
| 2 ROOMS | 1 134 | 531 | 349 | 141 | 52 | 55 | 5 |
| 3 ROOMS OR MORE | 1 180 | 785 | 289 | 52 | 22 | 31 | 1 |
| NOT REPORTED | 462 | 150 | 126 | 59 | 41 | 79 | 6 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 1 524 | 337 | 76 | 29 | 68 | 34 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE A-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | |
| OWNER OCCUPIED | 51 475 | 45 567 | 2 253 | 252 | 159 | 528 | 2 715 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 40 953 | 2 159 | 246 | 155 | 504 | 2 465 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 4 614 | 94 | 7 | 4 | 24 | 250 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 4 031 | 3 744 | 75 | 4 | 4 | 24 | 180 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 418 | 378 | 10 | 2 | - | - | 29 |
| NOT REPORTED | 544 | 492 | 9 | 1 | - | - | 41 |
| RENTER OCCUPIED | 19 458 | 6 288 | 5 181 | 2 281 | 1 962 | 3 405 | 342 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 4 764 | 4 844 | 2 205 | 1 933 | 3 337 | 308 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 1 524 | 337 | 76 | 29 | 68 | 34 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 472 | 1 120 | 225 | 36 | 19 | 54 | 17 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 401 | 280 | 73 | 25 | - | 11 | 12 |
| NOT REPORTED | 195 | 123 | 39 | 15 | 10 | 4 | 4 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 56 916 | 9 847 | 3 784 | 3 340 | 5 418 | 3 871 |
| AIR CONDITIONING | | | | | | | |
| OWNER OCCUPIED | 54 342 | 47 764 | 2 374 | 285 | 187 | 580 | 3 152 |
| WITH AIR CONDITIONING | 33 249 | 29 088 | 1 342 | 199 | 144 | 510 | 1 965 |
| ROOM UNITS | 16 377 | 14 166 | 971 | 59 | 73 | 179 | 929 |
| 1 | 9 845 | 8 414 | 503 | 40 | 52 | 73 | 762 |
| 2 | 4 625 | 4 034 | 347 | 9 | 13 | 64 | 159 |
| 3 | 1 345 | 1 210 | 81 | 10 | 9 | 29 | 6 |
| 4 | 389 | 349 | 28 | - | - | 9 | 2 |
| 5 OR MORE | 173 | 158 | 11 | - | - | 4 | - |
| CENTRAL SYSTEM | 16 872 | 14 922 | 372 | 140 | 70 | 332 | 1 037 |
| WITH NO AIR CONDITIONING | 21 093 | 18 675 | 1 032 | 85 | 44 | 70 | 1 187 |
| RENTER OCCUPIED | 28 833 | 9 153 | 7 472 | 3 499 | 3 152 | 4 838 | 718 |
| WITH AIR CONDITIONING | 14 221 | 3 912 | 3 109 | 1 882 | 2 123 | 2 792 | 404 |
| ROOM UNITS | 8 244 | 2 569 | 2 102 | 842 | 895 | 1 562 | 274 |
| 1 | 6 325 | 1 878 | 1 610 | 701 | 736 | 1 173 | 229 |
| 2 | 1 631 | 568 | 424 | 123 | 147 | 326 | 42 |
| 3 | 233 | 101 | 53 | 13 | 12 | 52 | 2 |
| 4 | 40 | 12 | 12 | 3 | - | 12 | 1 |
| 5 OR MORE | 15 | 10 | 3 | 2 | - | - | - |
| CENTRAL SYSTEM | 5 976 | 1 343 | 1 007 | 1 040 | 1 228 | 1 229 | 129 |
| WITH NO AIR CONDITIONING | 14 612 | 5 241 | 4 364 | 1 617 | 1 029 | 2 046 | 315 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE A-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 83 175 | 1 158 | 2 295 | 8 145 | 15 623 | 19 976 | 17 250 | 18 728 | 5.2 |
| HOUSE HEATING FUEL | | | | | | | | | |
| OWNER OCCUPIED | 54 342 | 131 | 385 | 1 319 | 6 541 | 14 341 | 14 488 | 17 138 | 5.8 |
| UTILITY GAS | 30 796 | 71 | 168 | 536 | 3 337 | 8 124 | 8 652 | 9 908 | 5.9 |
| BOTTLED, TANK, OR LP GAS | 3 283 | 19 | 46 | 189 | 667 | 1 019 | 723 | 620 | 5.2 |
| FUEL OIL | 9 025 | 14 | 65 | 211 | 953 | 2 076 | 2 382 | 3 324 | 6.0 |
| KEROSENE, ETC | 281 | - | - | 22 | 78 | 90 | 60 | 32 | 4.9 |
| ELECTRICITY | 9 132 | 15 | 61 | 275 | 1 181 | 2 542 | 2 248 | 2 810 | 5.7 |
| COAL OR COKE | 250 | 1 | 4 | 6 | 36 | 56 | 74 | 73 | 5.8 |
| WOOD | 1 328 | 9 | 29 | 71 | 248 | 368 | 295 | 309 | 5.3 |
| SOLAR HEAT | 13 | - | - | - | - | 3 | 6 | 4 | ... |
| OTHER FUEL | 21 | - | 4 | - | 5 | 3 | 4 | 5 | ... |
| NONE | 213 | 4 | 9 | 9 | 36 | 61 | 43 | 53 | 5.3 |
| RENTER OCCUPIED | 28 833 | 1 027 | 1 911 | 6 826 | 9 082 | 5 635 | 2 762 | 1 590 | 4.0 |
| UTILITY GAS | 15 287 | 397 | 907 | 3 384 | 4 854 | 3 261 | 1 649 | 835 | 4.1 |
| BOTTLED, TANK, OR LP GAS | 882 | 15 | 40 | 91 | 271 | 246 | 138 | 82 | 4.6 |
| FUEL OIL | 5 100 | 256 | 363 | 1 354 | 1 399 | 908 | 452 | 369 | 3.9 |
| KEROSENE, ETC | 88 | - | - | 13 | 25 | 29 | 13 | 8 | 4.7 |
| ELECTRICITY | 6 354 | 271 | 512 | 1 780 | 2 229 | 978 | 389 | 195 | 3.8 |
| COAL OR COKE | 111 | 3 | 5 | 12 | 31 | 35 | 14 | 12 | 4.6 |
| WOOD | 566 | 12 | 27 | 66 | 169 | 131 | 81 | 80 | 4.6 |
| SOLAR HEAT | 5 | - | - | - | 5 | - | - | - | ... |
| OTHER FUEL | 63 | 16 | 7 | 28 | 10 | 2 | - | 2 | 2.8 |
| NONE | 376 | 57 | 50 | 98 | 90 | 47 | 25 | 9 | 3.3 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 78 | 197 | 478 | 3 704 | 11 299 | 12 472 | 15 065 | 6.0 |
| ELECTRICITY PAID FOR | 43 261 | 76 | 197 | 473 | 3 696 | 11 293 | 12 465 | 15 060 | 6.0 |
| LESS THAN $10 | 271 | 3 | - | 38 | 52 | 72 | 60 | 46 | 5.1 |
| $10 TO $19 | 2 711 | 4 | 26 | 97 | 503 | 904 | 680 | 497 | 5.3 |
| $20 TO $29 | 6 205 | 5 | 36 | 102 | 832 | 1 955 | 1 838 | 1 436 | 5.6 |
| $30 TO $39 | 7 763 | 11 | 36 | 78 | 811 | 2 241 | 2 326 | 2 259 | 5.8 |
| $40 TO $49 | 6 095 | 12 | 35 | 45 | 491 | 1 626 | 1 807 | 2 079 | 6.0 |
| $50 TO $59 | 5 603 | 10 | 17 | 43 | 344 | 1 422 | 1 618 | 2 149 | 6.1 |
| $60 TO $79 | 6 705 | 14 | 24 | 31 | 383 | 1 582 | 2 026 | 2 645 | 6.1 |
| $80 TO $99 | 3 003 | 8 | 13 | 10 | 139 | 634 | 860 | 1 339 | 6.3 |
| $100 TO $149 | 3 617 | 4 | 9 | 20 | 111 | 680 | 979 | 1 813 | 6.5+ |
| $150 OR MORE | 1 287 | 5 | 2 | 7 | 29 | 178 | 270 | 797 | 6.5+ |
| MEDIAN | 47 | 52 | 40 | 29 | 35 | 43 | 47 | 55 | ... |
| NO ELECTRICITY USED | 32 | 2 | - | 6 | 7 | 6 | 7 | 5 | ... |
| SPECIFIED RENTER OCCUPIED[2] | 28 123 | 1 024 | 1 900 | 6 797 | 8 950 | 5 454 | 2 609 | 1 390 | 4.0 |
| ELECTRICITY PAID FOR | 22 799 | 307 | 1 086 | 5 223 | 7 745 | 4 857 | 2 339 | 1 241 | 4.1 |
| LESS THAN $10 | 1 240 | 59 | 163 | 507 | 346 | 114 | 37 | 15 | 3.3 |
| $10 TO $19 | 4 975 | 97 | 354 | 1 582 | 1 783 | 826 | 243 | 90 | 3.8 |
| $20 TO $29 | 5 165 | 70 | 215 | 1 291 | 1 800 | 1 102 | 476 | 210 | 4.0 |
| $30 TO $39 | 3 909 | 43 | 147 | 719 | 1 369 | 938 | 479 | 214 | 4.3 |
| $40 TO $49 | 2 330 | 17 | 53 | 404 | 776 | 576 | 298 | 205 | 4.4 |
| $50 TO $59 | 1 796 | 10 | 66 | 316 | 598 | 461 | 222 | 123 | 4.3 |
| $60 TO $79 | 1 843 | 5 | 63 | 269 | 618 | 418 | 298 | 172 | 4.4 |
| $80 TO $99 | 631 | - | 14 | 52 | 201 | 197 | 93 | 74 | 4.7 |
| $100 TO $149 | 645 | 4 | 10 | 56 | 190 | 165 | 135 | 87 | 4.9 |
| $150 OR MORE | 264 | 2 | 2 | 27 | 64 | 61 | 57 | 52 | 5.1 |
| MEDIAN | 30 | 19 | 21 | 24 | 29 | 34 | 36 | 44 | ... |
| INCLUDED IN RENT | 5 247 | 705 | 800 | 1 549 | 1 187 | 590 | 269 | 147 | 3.2 |
| NO ELECTRICITY USED | 77 | 12 | 13 | 25 | 17 | 6 | 1 | 2 | 3.0 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 78 | 197 | 478 | 3 704 | 11 299 | 12 472 | 15 065 | 6.0 |
| GAS PAID FOR | 32 227 | 55 | 148 | 354 | 2 786 | 8 382 | 9 473 | 11 027 | 6.0 |
| LESS THAN $10 | 1 353 | 5 | 16 | 51 | 182 | 381 | 375 | 342 | 5.6 |
| $10 TO $14 | 1 922 | 6 | 8 | 52 | 283 | 579 | 531 | 463 | 5.6 |
| $15 TO $19 | 2 057 | 5 | 12 | 34 | 262 | 653 | 629 | 463 | 5.6 |
| $20 TO $24 | 2 671 | 4 | 15 | 44 | 307 | 816 | 716 | 768 | 5.7 |
| $25 TO $29 | 2 620 | 4 | 14 | 38 | 260 | 812 | 791 | 701 | 5.7 |
| $30 TO $39 | 5 373 | 6 | 22 | 38 | 574 | 1 551 | 1 644 | 1 538 | 5.8 |
| $40 TO $49 | 4 636 | 4 | 27 | 32 | 360 | 1 258 | 1 410 | 1 545 | 5.9 |
| $50 TO $69 | 6 958 | 15 | 14 | 47 | 375 | 1 655 | 2 142 | 2 710 | 6.1 |
| $70 TO $99 | 3 174 | 3 | 15 | 8 | 138 | 487 | 940 | 1 583 | 6.5 |
| $100 OR MORE | 1 464 | 4 | 4 | 10 | 46 | 191 | 295 | 914 | 6.5+ |
| MEDIAN | 40 | 35 | 33 | 24 | 32 | 36 | 40 | 47 | ... |
| NO GAS USED | 11 066 | 23 | 48 | 124 | 917 | 2 917 | 2 998 | 4 038 | 6.0 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE A-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 1 024 | 1 900 | 6 797 | 8 950 | 5 454 | 2 609 | 1 390 | 4.0 |
| GAS PAID FOR | 13 842 | 145 | 536 | 2 737 | 4 511 | 3 288 | 1 765 | 859 | 4.3 |
| LESS THAN $10 | 2 694 | 90 | 246 | 925 | 862 | 372 | 144 | 55 | 3.6 |
| $10 TO $14 | 2 168 | 19 | 116 | 558 | 792 | 440 | 162 | 81 | 4.0 |
| $15 TO $19 | 1 567 | 11 | 62 | 341 | 581 | 349 | 179 | 43 | 4.1 |
| $20 TO $24 | 1 354 | 10 | 33 | 257 | 467 | 314 | 209 | 66 | 4.3 |
| $25 TO $29 | 1 026 | 5 | 20 | 146 | 396 | 275 | 118 | 66 | 4.4 |
| $30 TO $39 | 1 642 | 4 | 22 | 196 | 576 | 473 | 253 | 120 | 4.5 |
| $40 TO $49 | 1 105 | 3 | 6 | 128 | 295 | 338 | 218 | 117 | 4.8 |
| $50 TO $69 | 1 358 | 3 | 26 | 106 | 346 | 441 | 272 | 164 | 4.9 |
| $70 TO $99 | 614 | - | 3 | 50 | 136 | 203 | 138 | 84 | 5.1 |
| $100 OR MORE | 313 | - | 2 | 30 | 61 | 84 | 72 | 65 | 5.3 |
| MEDIAN | 21 | 10- | 11 | 13 | 20 | 27 | 33 | 39 | ... |
| INCLUDED IN RENT | 7 840 | 589 | 894 | 2 379 | 2 276 | 1 113 | 378 | 211 | 3.5 |
| NO GAS USED | 6 442 | 290 | 469 | 1 681 | 2 163 | 1 053 | 466 | 320 | 3.9 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 43 293 | 78 | 197 | 478 | 3 704 | 11 299 | 12 472 | 15 065 | 6.0 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 10 705 | 18 | 56 | 109 | 817 | 2 306 | 3 016 | 4 383 | 6.2 |
| LESS THAN $100 | 1 555 | 4 | 6 | 14 | 93 | 285 | 425 | 727 | 6.4 |
| $100 TO $199 | 1 399 | - | 5 | 22 | 95 | 311 | 356 | 609 | 6.2 |
| $200 TO $299 | 785 | 7 | 8 | 12 | 68 | 194 | 220 | 277 | 6.0 |
| $300 TO $399 | 650 | 1 | 4 | 8 | 76 | 181 | 187 | 192 | 5.8 |
| $400 TO $499 | 610 | 2 | 6 | 10 | 84 | 163 | 187 | 159 | 5.7 |
| $500 TO $599 | 672 | - | 10 | 6 | 68 | 199 | 192 | 196 | 5.8 |
| $600 TO $699 | 783 | - | 3 | 9 | 87 | 197 | 228 | 259 | 5.9 |
| $700 TO $799 | 584 | - | 4 | 14 | 58 | 137 | 180 | 190 | 5.9 |
| $800 OR MORE | 3 667 | 4 | 10 | 14 | 188 | 638 | 1 040 | 1 774 | 6.4 |
| MEDIAN | 552 | ... | 489 | 376 | 490 | 509 | 568 | 612 | ... |
| FUELS NOT USED OR FREE | 32 588 | 60 | 141 | 369 | 2 887 | 8 993 | 9 456 | 10 682 | 5.9 |
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 1 024 | 1 900 | 6 797 | 8 950 | 5 454 | 2 609 | 1 390 | 4.0 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 231 | 29 | 44 | 238 | 538 | 599 | 432 | 351 | 4.9 |
| LESS THAN $100 | 400 | 18 | 17 | 80 | 81 | 84 | 67 | 53 | 4.5 |
| $100 TO $199 | 277 | 6 | 13 | 34 | 71 | 66 | 46 | 41 | 4.7 |
| $200 TO $299 | 200 | 1 | 3 | 25 | 59 | 56 | 26 | 31 | 4.7 |
| $300 TO $399 | 166 | 2 | 2 | 20 | 55 | 41 | 34 | 12 | 4.6 |
| $400 TO $499 | 197 | 2 | 2 | 16 | 59 | 49 | 44 | 26 | 4.9 |
| $500 TO $599 | 148 | - | 3 | 14 | 42 | 43 | 23 | 24 | 4.9 |
| $600 TO $699 | 188 | - | 3 | 16 | 47 | 57 | 39 | 26 | 5.0 |
| $700 TO $799 | 103 | - | 2 | 11 | 29 | 26 | 23 | 14 | 4.9 |
| $800 OR MORE | 552 | - | 2 | 22 | 95 | 176 | 132 | 125 | 5.4 |
| MEDIAN | 437 | ... | 144 | 219 | 405 | 507 | 499 | 551 | ... |
| INCLUDED IN RENT | 5 187 | 296 | 449 | 1 656 | 1 571 | 792 | 300 | 122 | 3.6 |
| FUELS NOT USED OR FREE | 20 705 | 699 | 1 406 | 4 903 | 6 841 | 4 063 | 1 877 | 917 | 4.0 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 1 158 | 2 295 | 8 145 | 15 623 | 19 976 | 17 250 | 18 728 | 5.2 |
| HEATING EQUIPMENT | | | | | | | | | |
| OWNER OCCUPIED | 54 342 | 131 | 385 | 1 319 | 6 541 | 14 341 | 14 488 | 17 138 | 5.8 |
| WARM-AIR FURNACE | 32 059 | 56 | 184 | 565 | 3 426 | 8 304 | 8 761 | 10 763 | 5.9 |
| HEAT PUMP | 1 601 | 1 | 17 | 45 | 155 | 313 | 391 | 679 | 6.2 |
| STEAM OR HOT WATER | 7 014 | 16 | 34 | 129 | 558 | 1 304 | 2 017 | 2 957 | 6.2 |
| BUILT-IN ELECTRIC UNITS | 3 149 | 6 | 23 | 119 | 429 | 1 005 | 748 | 819 | 5.5 |
| FLOOR, WALL, OR PIPELESS FURNACE | 3 324 | 14 | 25 | 97 | 639 | 1 233 | 858 | 458 | 5.2 |
| ROOM HEATERS WITH FLUE | 1 976 | 5 | 25 | 127 | 419 | 632 | 437 | 332 | 5.1 |
| ROOM HEATERS WITHOUT FLUE | 1 643 | 6 | 15 | 99 | 342 | 548 | 400 | 233 | 5.1 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 3 363 | 23 | 53 | 130 | 537 | 942 | 833 | 844 | 5.5 |
| NONE | 213 | 4 | 9 | 9 | 36 | 61 | 43 | 53 | 5.3 |
| RENTER OCCUPIED | 28 833 | 1 027 | 1 911 | 6 826 | 9 082 | 5 635 | 2 762 | 1 590 | 4.0 |
| WARM-AIR FURNACE | 10 885 | 144 | 424 | 2 093 | 3 453 | 2 566 | 1 371 | 834 | 4.3 |
| HEAT PUMP | 411 | 3 | 22 | 127 | 142 | 55 | 42 | 19 | 3.9 |
| STEAM OR HOT WATER | 6 789 | 414 | 565 | 1 997 | 1 989 | 1 073 | 455 | 296 | 3.7 |
| BUILT-IN ELECTRIC UNITS | 3 097 | 215 | 338 | 926 | 1 030 | 376 | 132 | 81 | 3.6 |
| FLOOR, WALL, OR PIPELESS FURNACE | 3 021 | 77 | 236 | 772 | 1 075 | 562 | 232 | 67 | 3.9 |
| ROOM HEATERS WITH FLUE | 1 743 | 40 | 129 | 347 | 566 | 378 | 195 | 89 | 4.1 |
| ROOM HEATERS WITHOUT FLUE | 1 268 | 29 | 62 | 288 | 388 | 290 | 154 | 56 | 4.1 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 244 | 48 | 86 | 178 | 350 | 287 | 156 | 138 | 4.4 |
| NONE | 376 | 57 | 50 | 98 | 90 | 47 | 25 | 9 | 3.3 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE A-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 83 175 | 1 158 | 2 295 | 8 145 | 15 623 | 19 976 | 17 250 | 18 728 | 5.2 |
| UNITS OCCUPIED LAST WINTER | 70 933 | 736 | 1 524 | 5 790 | 12 158 | 17 565 | 15 726 | 17 433 | 5.4 |
| INSUFFICIENT HEAT | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | |
| OWNER OCCUPIED | 51 475 | 107 | 352 | 1 177 | 6 042 | 13 648 | 13 817 | 16 333 | 5.8 |
| WITH HEATING EQUIPMENT | 51 282 | 105 | 344 | 1 169 | 6 012 | 13 594 | 13 778 | 16 280 | 5.8 |
| NO ROOMS CLOSED | 48 972 | 104 | 321 | 1 125 | 5 706 | 12 962 | 13 196 | 15 557 | 5.8 |
| CLOSED CERTAIN ROOMS | 1 732 | 1 | 13 | 32 | 236 | 466 | 431 | 555 | 5.8 |
| LIVING ROOM ONLY | 53 | - | - | - | 8 | 11 | 8 | 26 | 6.4 |
| DINING ROOM ONLY | 19 | - | - | - | - | 5 | 3 | 11 | ... |
| 1 OR MORE BEDROOMS ONLY | 1 176 | - | 9 | 19 | 184 | 341 | 295 | 328 | 5.6 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 454 | 1 | 2 | 9 | 38 | 101 | 123 | 179 | 6.1 |
| NOT REPORTED | 30 | - | 2 | 3 | 5 | 7 | 1 | 11 | ... |
| NOT REPORTED | 578 | - | 10 | 12 | 70 | 167 | 151 | 168 | 5.7 |
| NO HEATING EQUIPMENT | 193 | 2 | 9 | 7 | 30 | 54 | 39 | 53 | 5.4 |
| RENTER OCCUPIED | 19 458 | 630 | 1 172 | 4 614 | 6 116 | 3 917 | 1 910 | 1 100 | 4.0 |
| WITH HEATING EQUIPMENT | 19 204 | 597 | 1 143 | 4 545 | 6 063 | 3 877 | 1 887 | 1 093 | 4.0 |
| NO ROOMS CLOSED | 17 652 | 586 | 1 105 | 4 320 | 5 552 | 3 484 | 1 681 | 925 | 4.0 |
| CLOSED CERTAIN ROOMS | 1 205 | 2 | 19 | 149 | 383 | 328 | 174 | 150 | 4.6 |
| LIVING ROOM ONLY | 79 | - | 4 | 24 | 23 | 23 | - | 5 | 4.0 |
| DINING ROOM ONLY | 12 | - | 2 | 3 | 2 | 2 | - | 3 | ... |
| 1 OR MORE BEDROOMS ONLY | 745 | - | 4 | 77 | 256 | 197 | 124 | 88 | 4.7 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 348 | 2 | 10 | 41 | 93 | 104 | 48 | 50 | 4.8 |
| NOT REPORTED | 21 | - | - | 3 | 10 | 3 | 2 | 3 | ... |
| NOT REPORTED | 347 | 9 | 20 | 76 | 127 | 65 | 32 | 18 | 4.0 |
| NO HEATING EQUIPMENT | 254 | 33 | 29 | 69 | 53 | 40 | 23 | 6 | 3.4 |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | |
| OWNER OCCUPIED | 51 475 | 107 | 352 | 1 177 | 6 042 | 13 648 | 13 817 | 16 333 | 5.8 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 84 | 282 | 966 | 5 178 | 12 152 | 12 582 | 15 237 | 5.9 |
| NO ADDITIONAL HEAT SOURCE USED | 42 580 | 78 | 255 | 878 | 4 747 | 11 146 | 11 567 | 13 909 | 5.9 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 3 055 | 5 | 20 | 69 | 326 | 739 | 788 | 1 108 | 6.0 |
| NOT REPORTED | 847 | 1 | 7 | 19 | 106 | 267 | 227 | 221 | 5.6 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 22 | 70 | 211 | 864 | 1 496 | 1 235 | 1 096 | 5.4 |
| RENTER OCCUPIED | 19 458 | 630 | 1 172 | 4 614 | 6 116 | 3 917 | 1 910 | 1 100 | 4.0 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 542 | 1 059 | 4 203 | 5 538 | 3 435 | 1 656 | 957 | 4.0 |
| NO ADDITIONAL HEAT SOURCE USED | 14 611 | 446 | 904 | 3 506 | 4 699 | 2 888 | 1 394 | 774 | 4.0 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 2 329 | 85 | 126 | 581 | 723 | 456 | 204 | 153 | 4.0 |
| NOT REPORTED | 451 | 12 | 29 | 115 | 116 | 91 | 58 | 30 | 4.1 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 88 | 113 | 411 | 578 | 482 | 254 | 142 | 4.2 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | |
| OWNER OCCUPIED | 51 475 | 107 | 352 | 1 177 | 6 042 | 13 648 | 13 817 | 16 333 | 5.8 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 84 | 282 | 966 | 5 178 | 12 152 | 12 582 | 15 237 | 5.9 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 37 715 | 74 | 229 | 805 | 4 006 | 9 727 | 10 225 | 12 649 | 5.9 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 7 891 | 10 | 46 | 141 | 1 061 | 2 141 | 2 133 | 2 359 | 5.8 |
| 1 ROOM | 2 411 | 10 | 25 | 69 | 234 | 473 | 704 | 896 | 6.0 |
| 2 ROOMS | 1 944 | - | 21 | 45 | 442 | 526 | 400 | 510 | 5.4 |
| 3 ROOMS OR MORE | 3 536 | - | - | 26 | 384 | 1 142 | 1 030 | 953 | 5.7 |
| NOT REPORTED | 876 | - | 7 | 20 | 112 | 284 | 224 | 229 | 5.6 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 22 | 70 | 211 | 864 | 1 496 | 1 235 | 1 096 | 5.4 |
| RENTER OCCUPIED | 19 458 | 630 | 1 172 | 4 614 | 6 116 | 3 917 | 1 910 | 1 100 | 4.0 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 542 | 1 059 | 4 203 | 5 538 | 3 435 | 1 656 | 957 | 4.0 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 13 405 | 519 | 870 | 3 371 | 4 209 | 2 572 | 1 190 | 674 | 4.0 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 523 | 8 | 153 | 713 | 1 213 | 768 | 412 | 255 | 4.2 |
| 1 ROOM | 1 210 | 8 | 110 | 462 | 280 | 166 | 111 | 73 | 3.6 |
| 2 ROOMS | 1 134 | - | 43 | 160 | 612 | 204 | 73 | 43 | 4.1 |
| 3 ROOMS OR MORE | 1 180 | - | - | 92 | 320 | 399 | 229 | 140 | 4.9 |
| NOT REPORTED | 462 | 15 | 36 | 119 | 117 | 95 | 53 | 28 | 4.0 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 88 | 113 | 411 | 578 | 482 | 254 | 142 | 4.2 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE A-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | |
| OWNER OCCUPIED | 51 475 | 107 | 352 | 1 177 | 6 042 | 13 648 | 13 817 | 16 333 | 5.8 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 84 | 282 | 966 | 5 178 | 12 152 | 12 582 | 15 237 | 5.9 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 22 | 70 | 211 | 864 | 1 496 | 1 235 | 1 096 | 5.4 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 4 031 | 19 | 40 | 159 | 700 | 1 207 | 1 014 | 892 | 5.4 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 418 | 3 | 21 | 38 | 76 | 123 | 95 | 63 | 5.1 |
| NOT REPORTED | 544 | - | 9 | 14 | 88 | 166 | 126 | 141 | 5.5 |
| RENTER OCCUPIED | 19 456 | 630 | 1 172 | 4 614 | 6 116 | 3 917 | 1 910 | 1 100 | 4.0 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 542 | 1 059 | 4 203 | 5 538 | 3 435 | 1 656 | 957 | 4.0 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 88 | 113 | 411 | 578 | 482 | 254 | 142 | 4.2 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 472 | 64 | 76 | 304 | 389 | 360 | 180 | 99 | 4.2 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 401 | 17 | 17 | 77 | 137 | 86 | 41 | 27 | 4.1 |
| NOT REPORTED | 195 | 6 | 19 | 30 | 52 | 37 | 33 | 17 | 4.3 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 1 158 | 2 295 | 8 145 | 15 623 | 19 976 | 17 250 | 18 728 | 5.2 |
| AIR CONDITIONING | | | | | | | | | |
| OWNER OCCUPIED | 54 342 | 131 | 385 | 1 319 | 6 541 | 14 341 | 14 488 | 17 138 | 5.8 |
| WITH AIR CONDITIONING | 33 249 | 73 | 206 | 733 | 3 692 | 8 636 | 9 057 | 10 851 | 5.9 |
| ROOM UNITS | 16 377 | 36 | 123 | 473 | 2 216 | 4 727 | 4 521 | 4 280 | 5.6 |
| 1 | 9 845 | 26 | 88 | 350 | 1 615 | 3 059 | 2 562 | 2 146 | 5.4 |
| 2 | 4 625 | 7 | 25 | 106 | 488 | 1 313 | 1 414 | 1 273 | 5.8 |
| 3 | 1 345 | 1 | 9 | 15 | 101 | 283 | 404 | 531 | 6.1 |
| 4 | 389 | 2 | 1 | 3 | 12 | 53 | 102 | 215 | 6.5+ |
| 5 OR MORE | 173 | - | - | - | - | 19 | 39 | 115 | 6.5+ |
| CENTRAL SYSTEM | 16 872 | 37 | 83 | 260 | 1 476 | 3 909 | 4 536 | 6 571 | 6.1 |
| WITH NO AIR CONDITIONING | 21 093 | 58 | 179 | 586 | 2 848 | 5 705 | 5 430 | 6 287 | 5.7 |
| RENTER OCCUPIED | 28 833 | 1 027 | 1 911 | 6 826 | 9 082 | 5 635 | 2 762 | 1 590 | 4.0 |
| WITH AIR CONDITIONING | 14 221 | 324 | 834 | 3 495 | 4 856 | 2 672 | 1 312 | 728 | 4.0 |
| ROOM UNITS | 8 244 | 225 | 553 | 2 069 | 2 746 | 1 542 | 727 | 382 | 4.0 |
| 1 | 6 325 | 225 | 504 | 1 711 | 2 078 | 1 106 | 466 | 236 | 3.8 |
| 2 | 1 631 | - | 48 | 333 | 584 | 371 | 196 | 100 | 4.2 |
| 3 | 233 | - | 2 | 18 | 70 | 57 | 54 | 32 | 5.0 |
| 4 | 40 | - | - | 5 | 12 | 8 | 8 | 7 | 4.9 |
| 5 OR MORE | 15 | - | - | 2 | 2 | - | 3 | 8 | ... |
| CENTRAL SYSTEM | 5 976 | 99 | 282 | 1 426 | 2 110 | 1 130 | 584 | 346 | 4.1 |
| WITH NO AIR CONDITIONING | 14 612 | 703 | 1 076 | 3 331 | 4 226 | 2 963 | 1 450 | 863 | 4.0 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE A-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | | MARCH 1970 OR EARLIER | | | | |
| | TOTAL | APRIL 1970 OR LATER | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 19 913 | 63 262 | 17 088 | 13 732 | 7 555 | 24 888 |
| HOUSE HEATING FUEL | | | | | | | |
| OWNER OCCUPIED | 54 342 | 13 423 | 40 919 | 11 445 | 10 406 | 5 080 | 13 988 |
| UTILITY GAS | 30 796 | 5 505 | 25 292 | 6 878 | 6 750 | 3 212 | 8 452 |
| BOTTLED, TANK, OR LP GAS | 3 283 | 1 044 | 2 239 | 705 | 431 | 301 | 801 |
| FUEL OIL | 9 025 | 990 | 8 035 | 1 544 | 1 983 | 993 | 3 515 |
| KEROSENE, ETC | 281 | 61 | 220 | 88 | 44 | 35 | 53 |
| ELECTRICITY | 9 132 | 5 345 | 3 786 | 1 927 | 929 | 350 | 580 |
| COAL OR COKE | 250 | 21 | 229 | 18 | 33 | 37 | 141 |
| WOOD | 1 328 | 399 | 929 | 210 | 168 | 135 | 416 |
| SOLAR HEAT | 13 | 8 | 5 | 3 | 2 | - | - |
| OTHER FUEL | 21 | 3 | 17 | 7 | 4 | 2 | 5 |
| NONE | 213 | 47 | 167 | 65 | 63 | 15 | 24 |
| RENTER OCCUPIED | 28 833 | 6 490 | 22 343 | 5 643 | 3 325 | 2 476 | 10 900 |
| UTILITY GAS | 15 287 | 2 370 | 12 918 | 3 059 | 2 158 | 1 560 | 6 141 |
| BOTTLED, TANK, OR LP GAS | 882 | 119 | 763 | 182 | 119 | 83 | 378 |
| FUEL OIL | 5 100 | 301 | 4 799 | 707 | 550 | 467 | 3 074 |
| KEROSENE, ETC | 88 | 5 | 82 | 11 | 8 | 7 | 56 |
| ELECTRICITY | 6 354 | 3 600 | 2 754 | 1 550 | 342 | 218 | 644 |
| COAL OR COKE | 111 | - | 111 | 2 | 7 | 6 | 96 |
| WOOD | 566 | 33 | 533 | 65 | 75 | 76 | 317 |
| SOLAR HEAT | 5 | 3 | 2 | - | 2 | - | - |
| OTHER FUEL | 63 | 8 | 55 | 7 | - | 3 | 45 |
| NONE | 376 | 50 | 326 | 60 | 63 | 55 | 148 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 9 351 | 33 942 | 9 373 | 9 491 | 4 450 | 10 628 |
| ELECTRICITY PAID FOR | 43 261 | 9 341 | 33 919 | 9 366 | 9 489 | 4 450 | 10 614 |
| LESS THAN $10 | 271 | 18 | 252 | 20 | 48 | 38 | 147 |
| $10 TO $19 | 2 711 | 218 | 2 493 | 312 | 555 | 421 | 1 205 |
| $20 TO $29 | 6 205 | 715 | 5 490 | 999 | 1 437 | 856 | 2 197 |
| $30 TO $39 | 7 763 | 1 157 | 6 606 | 1 474 | 1 958 | 928 | 2 247 |
| $40 TO $49 | 6 095 | 1 075 | 5 020 | 1 437 | 1 386 | 674 | 1 522 |
| $50 TO $59 | 5 603 | 1 122 | 4 482 | 1 361 | 1 322 | 552 | 1 247 |
| $60 TO $79 | 6 705 | 1 885 | 4 819 | 1 678 | 1 447 | 545 | 1 149 |
| $80 TO $99 | 3 003 | 1 088 | 1 916 | 757 | 553 | 203 | 403 |
| $100 TO $149 | 3 617 | 1 498 | 2 120 | 966 | 602 | 170 | 383 |
| $150 OR MORE | 1 287 | 564 | 723 | 362 | 181 | 64 | 117 |
| MEDIAN | 47 | 64 | 44 | 53 | 45 | 39 | 37 |
| NO ELECTRICITY USED | 32 | 10 | 23 | 7 | 2 | - | 14 |
| SPECIFIED RENTER OCCUPIED[2] | 28 123 | 6 457 | 21 666 | 5 567 | 3 245 | 2 383 | 10 470 |
| ELECTRICITY PAID FOR | 22 799 | 5 345 | 17 454 | 4 509 | 2 634 | 1 911 | 8 400 |
| LESS THAN $10 | 1 240 | 150 | 1 090 | 324 | 140 | 103 | 523 |
| $10 TO $19 | 4 975 | 839 | 4 136 | 1 019 | 560 | 483 | 2 075 |
| $20 TO $29 | 5 165 | 939 | 4 227 | 991 | 630 | 460 | 2 146 |
| $30 TO $39 | 3 909 | 885 | 3 025 | 676 | 443 | 327 | 1 578 |
| $40 TO $49 | 2 330 | 629 | 1 701 | 436 | 276 | 203 | 786 |
| $50 TO $59 | 1 796 | 581 | 1 215 | 351 | 202 | 142 | 521 |
| $60 TO $79 | 1 843 | 675 | 1 168 | 382 | 192 | 113 | 482 |
| $80 TO $99 | 631 | 268 | 363 | 133 | 82 | 33 | 116 |
| $100 TO $149 | 645 | 287 | 359 | 138 | 66 | 36 | 119 |
| $150 OR MORE | 264 | 93 | 170 | 60 | 42 | 12 | 56 |
| MEDIAN | 30 | 38 | 27 | 28 | 29 | 27 | 27 |
| INCLUDED IN RENT | 5 247 | 1 092 | 4 155 | 1 053 | 598 | 468 | 2 037 |
| NO ELECTRICITY USED | 77 | 20 | 57 | 6 | 13 | 5 | 33 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 43 293 | 9 351 | 33 942 | 9 373 | 9 491 | 4 450 | 10 628 |
| GAS PAID FOR | 32 227 | 5 037 | 27 190 | 7 103 | 7 443 | 3 628 | 9 015 |
| LESS THAN $10 | 1 353 | 210 | 1 142 | 253 | 298 | 179 | 413 |
| $10 TO $14 | 1 922 | 326 | 1 596 | 315 | 449 | 271 | 561 |
| $15 TO $19 | 2 057 | 317 | 1 740 | 393 | 493 | 294 | 560 |
| $20 TO $24 | 2 671 | 447 | 2 224 | 613 | 654 | 327 | 629 |
| $25 TO $29 | 2 620 | 399 | 2 221 | 616 | 685 | 325 | 594 |
| $30 TO $39 | 5 373 | 935 | 4 438 | 1 191 | 1 323 | 616 | 1 309 |
| $40 TO $49 | 4 636 | 729 | 3 907 | 1 107 | 1 158 | 476 | 1 164 |
| $50 TO $69 | 6 958 | 1 078 | 5 880 | 1 489 | 1 566 | 728 | 2 098 |
| $70 TO $99 | 3 174 | 416 | 2 758 | 749 | 589 | 297 | 1 124 |
| $100 OR MORE | 1 464 | 179 | 1 285 | 377 | 228 | 115 | 565 |
| MEDIAN | 40 | 38 | 41 | 41 | 38 | 36 | 43 |
| NO GAS USED | 11 066 | 4 314 | 6 752 | 2 269 | 2 048 | 821 | 1 613 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE A-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | | MARCH 1970 OR EARLIER | | | | |
| | TOTAL | APRIL 1970 OR LATER | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 6 457 | 21 666 | 5 567 | 3 245 | 2 383 | 10 470 |
| GAS PAID FOR | 13 842 | 1 609 | 12 233 | 2 195 | 1 925 | 1 476 | 6 637 |
| LESS THAN $10 | 2 694 | 309 | 2 385 | 475 | 364 | 286 | 1 260 |
| $10 TO $14 | 2 168 | 258 | 1 910 | 353 | 311 | 251 | 995 |
| $15 TO $19 | 1 567 | 216 | 1 351 | 252 | 250 | 192 | 657 |
| $20 TO $24 | 1 354 | 207 | 1 147 | 236 | 211 | 135 | 564 |
| $25 TO $29 | 1 026 | 126 | 901 | 186 | 131 | 136 | 447 |
| $30 TO $39 | 1 642 | 222 | 1 421 | 250 | 247 | 180 | 744 |
| $40 TO $49 | 1 105 | 90 | 1 015 | 157 | 190 | 106 | 561 |
| $50 TO $69 | 1 358 | 130 | 1 229 | 191 | 143 | 130 | 765 |
| $70 TO $99 | 614 | 27 | 587 | 72 | 57 | 40 | 418 |
| $100 OR MORE | 313 | 25 | 288 | 23 | 22 | 19 | 225 |
| MEDIAN | 21 | 20 | 22 | 20 | 21 | 20 | 23 |
| INCLUDED IN RENT | 7 840 | 1 855 | 5 985 | 1 944 | 902 | 591 | 2 548 |
| NO GAS USED | 6 442 | 2 993 | 3 449 | 1 429 | 419 | 317 | 1 285 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 43 293 | 9 351 | 33 942 | 9 373 | 9 491 | 4 450 | 10 628 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 10 705 | 1 979 | 8 726 | 2 095 | 2 276 | 1 151 | 3 204 |
| LESS THAN $100 | 1 555 | 541 | 1 014 | 395 | 257 | 116 | 246 |
| $100 TO $199 | 1 399 | 449 | 950 | 401 | 231 | 110 | 207 |
| $200 TO $299 | 785 | 196 | 589 | 147 | 152 | 81 | 209 |
| $300 TO $399 | 650 | 130 | 520 | 130 | 145 | 74 | 171 |
| $400 TO $499 | 610 | 84 | 526 | 132 | 140 | 73 | 180 |
| $500 TO $599 | 672 | 82 | 589 | 116 | 163 | 84 | 227 |
| $600 TO $699 | 783 | 88 | 695 | 114 | 202 | 96 | 284 |
| $700 TO $799 | 584 | 61 | 523 | 78 | 153 | 85 | 207 |
| $800 OR MORE | 3 667 | 348 | 3 319 | 581 | 833 | 432 | 1 472 |
| MEDIAN | 552 | 199 | 625 | 380 | 624 | 639 | 737 |
| FUELS NOT USED OR FREE | 32 588 | 7 372 | 25 216 | 7 278 | 7 215 | 3 298 | 7 424 |
| SPECIFIED RENTER OCCUPIED[1] | 28 123 | 6 457 | 21 666 | 5 567 | 3 245 | 2 383 | 10 470 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 231 | 236 | 1 995 | 277 | 272 | 213 | 1 234 |
| LESS THAN $100 | 400 | 90 | 310 | 53 | 45 | 32 | 180 |
| $100 TO $199 | 277 | 47 | 229 | 39 | 33 | 28 | 129 |
| $200 TO $299 | 200 | 25 | 175 | 24 | 28 | 22 | 101 |
| $300 TO $399 | 166 | 13 | 153 | 25 | 33 | 12 | 83 |
| $400 TO $499 | 197 | 19 | 177 | 34 | 31 | 16 | 97 |
| $500 TO $599 | 148 | 13 | 136 | 21 | 20 | 13 | 81 |
| $600 TO $699 | 188 | 9 | 180 | 14 | 12 | 15 | 139 |
| $700 TO $799 | 103 | 5 | 98 | 15 | 18 | 10 | 55 |
| $800 OR MORE | 552 | 16 | 536 | 51 | 53 | 64 | 368 |
| MEDIAN | 437 | 159 | 472 | 389 | 390 | 473 | 533 |
| INCLUDED IN RENT | 5 187 | 671 | 4 516 | 843 | 505 | 440 | 2 728 |
| FUELS NOT USED OR FREE | 20 705 | 5 550 | 15 155 | 4 448 | 2 468 | 1 731 | 6 509 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 19 913 | 63 262 | 17 088 | 13 732 | 7 555 | 24 888 |
| HEATING EQUIPMENT | | | | | | | |
| OWNER OCCUPIED | 54 342 | 13 423 | 40 919 | 11 445 | 10 406 | 5 080 | 13 988 |
| WARM-AIR FURNACE | 32 059 | 8 930 | 23 128 | 7 617 | 6 411 | 2 456 | 6 644 |
| HEAT PUMP | 1 601 | 1 132 | 468 | 227 | 156 | 34 | 52 |
| STEAM OR HOT WATER | 7 014 | 606 | 6 408 | 1 150 | 1 191 | 650 | 3 417 |
| BUILT-IN ELECTRIC UNITS | 3 149 | 1 436 | 1 712 | 859 | 375 | 164 | 314 |
| FLOOR, WALL, OR PIPELESS FURNACE | 3 324 | 196 | 3 128 | 449 | 999 | 698 | 982 |
| ROOM HEATERS WITH FLUE | 1 976 | 83 | 1 894 | 212 | 342 | 303 | 1 036 |
| ROOM HEATERS WITHOUT FLUE | 1 643 | 112 | 1 531 | 206 | 361 | 379 | 585 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 3 363 | 880 | 2 483 | 661 | 508 | 381 | 933 |
| NONE | 213 | 47 | 167 | 65 | 63 | 15 | 24 |
| RENTER OCCUPIED | 28 833 | 6 490 | 22 343 | 5 643 | 3 325 | 2 476 | 10 900 |
| WARM-AIR FURNACE | 10 885 | 3 831 | 7 054 | 2 526 | 1 110 | 575 | 2 843 |
| HEAT PUMP | 411 | 283 | 127 | 82 | 10 | 14 | 22 |
| STEAM OR HOT WATER | 6 789 | 580 | 6 208 | 1 034 | 584 | 544 | 4 046 |
| BUILT-IN ELECTRIC UNITS | 3 097 | 1 443 | 1 653 | 827 | 196 | 136 | 495 |
| FLOOR, WALL, OR PIPELESS FURNACE | 3 021 | 202 | 2 820 | 695 | 776 | 496 | 853 |
| ROOM HEATERS WITH FLUE | 1 743 | 27 | 1 716 | 148 | 240 | 207 | 1 120 |
| ROOM HEATERS WITHOUT FLUE | 1 268 | 17 | 1 251 | 117 | 195 | 277 | 663 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 244 | 56 | 1 188 | 154 | 152 | 171 | 711 |
| NONE | 376 | 50 | 326 | 60 | 63 | 55 | 148 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE A-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | | MARCH 1970 OR EARLIER | | | | |
| | TOTAL | APRIL 1970 OR LATER | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 19 913 | 63 262 | 17 088 | 13 732 | 7 555 | 24 888 |
| UNITS OCCUPIED LAST WINTER | 70 933 | 15 630 | 55 303 | 14 783 | 12 444 | 6 730 | 21 346 |
| INSUFFICIENT HEAT | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | |
| OWNER OCCUPIED | 51 475 | 11 978 | 39 496 | 10 986 | 10 112 | 4 910 | 13 488 |
| WITH HEATING EQUIPMENT | 51 282 | 11 936 | 39 346 | 10 923 | 10 060 | 4 896 | 13 467 |
| NO ROOMS CLOSED | 48 972 | 11 645 | 37 326 | 10 546 | 9 672 | 4 615 | 12 494 |
| CLOSED CERTAIN ROOMS | 1 732 | 171 | 1 561 | 266 | 264 | 231 | 799 |
| LIVING ROOM ONLY | 53 | 10 | 44 | 9 | 6 | 7 | 23 |
| DINING ROOM ONLY | 19 | 5 | 14 | 3 | 1 | 4 | 5 |
| 1 OR MORE BEDROOMS ONLY | 1 176 | 116 | 1 061 | 166 | 183 | 148 | 564 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 454 | 40 | 414 | 80 | 73 | 69 | 192 |
| NOT REPORTED | 30 | 1 | 29 | 8 | 2 | 4 | 15 |
| NOT REPORTED | 578 | 119 | 459 | 111 | 124 | 49 | 174 |
| NO HEATING EQUIPMENT | 193 | 43 | 150 | 63 | 52 | 15 | 21 |
| RENTER OCCUPIED | 19 458 | 3 652 | 15 807 | 3 797 | 2 332 | 1 820 | 7 857 |
| WITH HEATING EQUIPMENT | 19 204 | 3 619 | 15 585 | 3 757 | 2 285 | 1 782 | 7 761 |
| NO ROOMS CLOSED | 17 652 | 3 517 | 14 136 | 3 544 | 2 108 | 1 618 | 6 866 |
| CLOSED CERTAIN ROOMS | 1 205 | 41 | 1 164 | 133 | 129 | 130 | 772 |
| LIVING ROOM ONLY | 79 | 2 | 78 | 6 | 7 | 8 | 57 |
| DINING ROOM ONLY | 12 | - | 12 | 2 | 2 | - | 9 |
| 1 OR MORE BEDROOMS ONLY | 745 | 25 | 719 | 94 | 88 | 90 | 448 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 348 | 11 | 337 | 29 | 28 | 31 | 249 |
| NOT REPORTED | 21 | 3 | 18 | 2 | 5 | 2 | 10 |
| NOT REPORTED | 347 | 62 | 285 | 81 | 47 | 34 | 123 |
| NO HEATING EQUIPMENT | 254 | 32 | 222 | 40 | 48 | 38 | 97 |
| ADDITIONAL HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 51 475 | 11 978 | 39 496 | 10 986 | 10 112 | 4 910 | 13 488 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 11 014 | 35 468 | 10 091 | 9 205 | 4 167 | 12 004 |
| NO ADDITIONAL HEAT SOURCE USED | 42 580 | 10 279 | 32 301 | 9 382 | 8 437 | 3 786 | 10 695 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 3 055 | 533 | 2 522 | 558 | 617 | 285 | 1 062 |
| NOT REPORTED | 847 | 202 | 645 | 151 | 152 | 97 | 246 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 964 | 4 029 | 894 | 907 | 743 | 1 485 |
| RENTER OCCUPIED | 19 458 | 3 652 | 15 807 | 3 797 | 2 332 | 1 820 | 7 857 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 3 584 | 13 806 | 3 562 | 2 035 | 1 470 | 6 739 |
| NO ADDITIONAL HEAT SOURCE USED | 14 611 | 3 319 | 11 292 | 3 168 | 1 675 | 1 168 | 5 281 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 2 329 | 176 | 2 153 | 317 | 298 | 251 | 1 287 |
| NOT REPORTED | 451 | 89 | 361 | 77 | 63 | 50 | 171 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 67 | 2 000 | 235 | 297 | 350 | 1 118 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 51 475 | 11 978 | 39 496 | 10 986 | 10 112 | 4 910 | 13 488 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 11 014 | 35 468 | 10 091 | 9 205 | 4 167 | 12 004 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 37 715 | 10 296 | 27 419 | 8 944 | 7 399 | 2 897 | 8 179 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 7 891 | 498 | 7 392 | 1 003 | 1 635 | 1 171 | 3 584 |
| 1 ROOM | 2 411 | 276 | 2 135 | 380 | 439 | 277 | 1 038 |
| 2 ROOMS | 1 944 | 53 | 1 890 | 170 | 375 | 307 | 1 038 |
| 3 ROOMS OR MORE | 3 536 | 169 | 3 367 | 452 | 821 | 586 | 1 508 |
| NOT REPORTED | 876 | 220 | 656 | 145 | 172 | 99 | 240 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 964 | 4 029 | 894 | 907 | 743 | 1 485 |
| RENTER OCCUPIED | 19 458 | 3 652 | 15 807 | 3 797 | 2 332 | 1 820 | 7 857 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 3 584 | 13 806 | 3 562 | 2 035 | 1 470 | 6 739 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 13 405 | 3 331 | 10 074 | 2 949 | 1 346 | 963 | 4 816 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 523 | 154 | 3 369 | 531 | 625 | 457 | 1 756 |
| 1 ROOM | 1 210 | 81 | 1 129 | 156 | 167 | 119 | 687 |
| 2 ROOMS | 1 134 | 38 | 1 096 | 251 | 196 | 146 | 503 |
| 3 ROOMS OR MORE | 1 180 | 36 | 1 144 | 124 | 263 | 191 | 566 |
| NOT REPORTED | 462 | 99 | 363 | 81 | 64 | 50 | 168 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 67 | 2 000 | 235 | 297 | 350 | 1 118 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE A-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | |
| OWNER OCCUPIED | 51 475 | 11 978 | 39 496 | 10 986 | 10 112 | 4 910 | 13 488 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 46 482 | 11 014 | 35 468 | 10 091 | 9 205 | 4 167 | 12 004 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 4 993 | 964 | 4 029 | 894 | 907 | 743 | 1 485 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 4 031 | 791 | 3 240 | 745 | 722 | 613 | 1 161 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 418 | 50 | 369 | 54 | 63 | 76 | 175 |
| NOT REPORTED | 544 | 123 | 420 | 96 | 121 | 54 | 149 |
| RENTER OCCUPIED | 19 458 | 3 652 | 15 807 | 3 797 | 2 332 | 1 820 | 7 857 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 17 390 | 3 584 | 13 806 | 3 562 | 2 035 | 1 470 | 6 739 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 068 | 67 | 2 000 | 235 | 297 | 350 | 1 118 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 472 | 58 | 1 413 | 167 | 206 | 252 | 789 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 401 | 4 | 397 | 49 | 57 | 63 | 227 |
| NOT REPORTED | 195 | 5 | 190 | 18 | 34 | 36 | 102 |
| ALL OCCUPIED HOUSING UNITS | 83 175 | 19 913 | 63 262 | 17 088 | 13 732 | 7 555 | 24 888 |
| AIR CONDITIONING | | | | | | | |
| OWNER OCCUPIED | 54 342 | 13 423 | 40 919 | 11 445 | 10 406 | 5 080 | 13 988 |
| WITH AIR CONDITIONING | 33 249 | 9 451 | 23 799 | 7 630 | 6 704 | 2 943 | 6 522 |
| ROOM UNITS | 16 377 | 2 003 | 14 375 | 3 101 | 3 852 | 2 126 | 5 295 |
| 1 | 9 845 | 1 392 | 8 453 | 1 996 | 2 134 | 1 254 | 3 068 |
| 2 | 4 625 | 496 | 4 129 | 802 | 1 212 | 598 | 1 517 |
| 3 | 1 345 | 92 | 1 252 | 216 | 360 | 193 | 483 |
| 4 | 389 | 17 | 372 | 71 | 99 | 51 | 152 |
| 5 OR MORE | 173 | 5 | 168 | 16 | 47 | 31 | 75 |
| CENTRAL SYSTEM | 16 872 | 7 448 | 9 424 | 4 529 | 2 852 | 816 | 1 227 |
| WITH NO AIR CONDITIONING | 21 093 | 3 973 | 17 121 | 3 815 | 3 703 | 2 137 | 7 466 |
| RENTER OCCUPIED | 28 833 | 6 490 | 22 343 | 5 643 | 3 325 | 2 476 | 10 900 |
| WITH AIR CONDITIONING | 14 221 | 4 914 | 9 306 | 3 538 | 1 636 | 936 | 3 197 |
| ROOM UNITS | 8 244 | 1 372 | 6 872 | 2 001 | 1 231 | 796 | 2 844 |
| 1 | 6 325 | 1 099 | 5 226 | 1 563 | 914 | 581 | 2 168 |
| 2 | 1 631 | 232 | 1 399 | 378 | 271 | 183 | 567 |
| 3 | 233 | 33 | 200 | 51 | 41 | 26 | 82 |
| 4 | 40 | 7 | 33 | 8 | 5 | 7 | 13 |
| 5 OR MORE | 15 | 2 | 13 | - | - | - | 13 |
| CENTRAL SYSTEM | 5 976 | 3 542 | 2 434 | 1 537 | 404 | 140 | 353 |
| WITH NO AIR CONDITIONING | 14 612 | 1 576 | 13 037 | 2 105 | 1 690 | 1 539 | 7 703 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE A-8. MONTHLY COST PAID FOR ELECTRICITY BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISITCS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $10 | $10 TO $19 | $20 TO $29 | $30 TO $39 | $40 TO $49 | $50 TO $59 | $60 TO $79 | $80 TO $99 | $100 TO $149 | $150 OR MORE | NO ELECTRICITY USED OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 43 293 | 271 | 2 711 | 6 205 | 7 763 | 6 095 | 5 603 | 6 705 | 3 003 | 3 617 | 1 287 | 32 | 47 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| ELECTRICITY | 6 803 | 11 | 68 | 244 | 403 | 514 | 690 | 1 529 | 1 064 | 1 617 | 663 | - | 78 |
| OTHER THAN ELECTRICITY | 36 315 | 260 | 2 639 | 5 953 | 7 344 | 5 573 | 4 892 | 5 137 | 1 902 | 1 972 | 611 | 32 | 43 |
| UTILITY GAS | 26 640 | 211 | 2 116 | 4 563 | 5 478 | 4 052 | 3 459 | 3 619 | 1 311 | 1 370 | 442 | 18 | 42 |
| BOTTLED, TANK, OR LP GAS | 1 594 | 8 | 102 | 235 | 309 | 252 | 238 | 241 | 88 | 87 | 29 | 7 | 45 |
| FUEL OIL | 6 890 | 24 | 328 | 959 | 1 313 | 1 086 | 1 039 | 1 106 | 430 | 471 | 126 | 5 | 47 |
| KEROSENE, ETC | 173 | - | 14 | 22 | 37 | 31 | 21 | 24 | 12 | 7 | 7 | - | 44 |
| COAL OR COKE | 167 | 4 | 21 | 33 | 38 | 27 | 16 | 19 | 6 | - | - | 2 | 36 |
| WOOD | 830 | 12 | 57 | 133 | 166 | 124 | 115 | 125 | 54 | 35 | 8 | 1 | 43 |
| SOLAR HEAT | 13 | - | - | 3 | 2 | - | 4 | 1 | - | 2 | - | - | ... |
| OTHER FUEL | 8 | - | - | 4 | 2 | 2 | - | - | 1 | - | - | - | ... |
| NONE | 174 | - | 4 | 7 | 16 | 8 | 21 | 39 | 37 | 28 | 13 | - | 75 |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 26 271 | 122 | 1 431 | 3 743 | 4 906 | 3 953 | 3 430 | 4 019 | 1 694 | 2 150 | 807 | 14 | 47 |
| HEAT PUMP | 1 255 | 2 | 1 | 23 | 30 | 77 | 93 | 288 | 214 | 370 | 156 | - | 90 |
| STEAM OR HOT WATER | 5 397 | 21 | 274 | 869 | 1 126 | 827 | 799 | 796 | 283 | 320 | 77 | 5 | 44 |
| BUILT-IN ELECTRIC UNITS | 2 331 | 3 | 26 | 100 | 169 | 193 | 317 | 582 | 350 | 444 | 149 | - | 72 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 885 | 48 | 490 | 620 | 583 | 320 | 278 | 299 | 134 | 80 | 34 | - | 34 |
| ROOM HEATERS WITH FLUE | 1 459 | 35 | 229 | 318 | 264 | 192 | 180 | 125 | 57 | 59 | 12 | - | 35 |
| ROOM HEATERS WITHOUT FLUE | 1 307 | 18 | 128 | 212 | 260 | 174 | 188 | 177 | 84 | 47 | 13 | 5 | 42 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 2 204 | 23 | 127 | 314 | 408 | 351 | 297 | 381 | 150 | 119 | 25 | 8 | 46 |
| NONE | 174 | - | 4 | 7 | 16 | 8 | 21 | 39 | 37 | 28 | 13 | - | 75 |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 5 880 | 167 | 1 111 | 1 529 | 1 127 | 631 | 443 | 422 | 184 | 192 | 63 | 10 | 31 |
| 2 PERSONS | 13 667 | 60 | 1 005 | 2 427 | 2 884 | 2 021 | 1 621 | 1 859 | 704 | 820 | 254 | 12 | 42 |
| 3 PERSONS | 8 185 | 19 | 255 | 974 | 1 454 | 1 160 | 1 257 | 1 433 | 636 | 757 | 241 | - | 52 |
| 4 PERSONS | 8 826 | 16 | 220 | 810 | 1 386 | 1 301 | 1 226 | 1 724 | 819 | 991 | 331 | 2 | 55 |
| 5 PERSONS | 4 232 | 9 | 68 | 299 | 600 | 613 | 686 | 759 | 431 | 540 | 221 | 6 | 57 |
| 6 PERSONS | 1 437 | - | 38 | 101 | 179 | 228 | 251 | 289 | 140 | 197 | 112 | - | 58 |
| 7 PERSONS OR MORE | 966 | - | 13 | 64 | 132 | 142 | 119 | 219 | 89 | 121 | 65 | 2 | 61 |
| MEDIAN | 2.8 | 1.5- | 1.7 | 2.1 | 2.4 | 2.8 | 3.1 | 3.2 | 3.5 | 3.5 | 3.8 | ... | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 26 740 | 66 | 851 | 2 532 | 4 135 | 3 786 | 3 683 | 5 021 | 2 441 | 3 093 | 1 123 | 9 | 55 |
| ROOM UNITS | 12 959 | 52 | 652 | 1 762 | 2 607 | 2 078 | 1 897 | 2 050 | 865 | 787 | 205 | 4 | 46 |
| 1 | 7 633 | 48 | 534 | 1 205 | 1 695 | 1 220 | 1 035 | 1 046 | 430 | 324 | 96 | 2 | 42 |
| 2 | 3 729 | 4 | 103 | 444 | 693 | 641 | 590 | 654 | 267 | 272 | 59 | 2 | 49 |
| 3 | 1 128 | - | 14 | 82 | 175 | 165 | 195 | 253 | 101 | 117 | 27 | - | 56 |
| 4 | 326 | - | 2 | 24 | 22 | 47 | 59 | 68 | 46 | 47 | 11 | - | 63 |
| 5 OR MORE | 141 | - | - | 6 | 21 | 5 | 18 | 29 | 21 | 28 | 13 | - | 73 |
| CENTRAL SYSTEM | 13 781 | 14 | 199 | 770 | 1 528 | 1 708 | 1 785 | 2 971 | 1 577 | 2 305 | 918 | 5 | 66 |
| WITH NO AIR CONDITIONING | 16 553 | 205 | 1 859 | 3 673 | 3 628 | 2 309 | 1 921 | 1 684 | 562 | 524 | 164 | 23 | 36 |
| SPECIFIED RENTER OCCUPIED[3] | 28 123 | 1 240 | 4 975 | 5 165 | 3 909 | 2 330 | 1 796 | 1 843 | 631 | 645 | 264 | 5 324 | 30 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| ELECTRICITY | 6 293 | 152 | 599 | 746 | 796 | 632 | 575 | 819 | 314 | 339 | 121 | 1 200 | 44 |
| OTHER THAN ELECTRICITY | 21 458 | 1 067 | 4 328 | 4 393 | 3 080 | 1 662 | 1 199 | 998 | 299 | 292 | 137 | 4 003 | 27 |
| UTILITY GAS | 15 135 | 864 | 3 338 | 3 217 | 2 071 | 1 076 | 782 | 638 | 221 | 196 | 109 | 2 623 | 26 |
| BOTTLED, TANK, OR LP GAS | 716 | 10 | 98 | 116 | 145 | 72 | 80 | 75 | 15 | 24 | 8 | 73 | 36 |
| FUEL OIL | 4 927 | 173 | 766 | 949 | 729 | 436 | 286 | 228 | 54 | 57 | 19 | 1 230 | 29 |
| KEROSENE, ETC | 86 | 2 | 6 | 15 | 21 | 15 | 9 | 12 | 2 | 2 | - | 3 | 38 |
| COAL OR COKE | 91 | 3 | 17 | 28 | 15 | 10 | 4 | 5 | - | - | - | 8 | 27 |
| WOOD | 436 | 11 | 84 | 68 | 93 | 49 | 36 | 38 | 8 | 14 | 2 | 35 | 34 |
| SOLAR HEAT | 5 | - | 2 | - | - | 2 | - | - | - | - | - | 1 | ... |
| OTHER FUEL | 62 | 5 | 17 | - | 5 | 1 | 1 | 2 | - | - | - | 30 | ... |
| NONE | 372 | 20 | 48 | 27 | 34 | 36 | 23 | 26 | 18 | 14 | 6 | 121 | 38 |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 10 687 | 257 | 1 501 | 1 905 | 1 542 | 1 025 | 883 | 921 | 322 | 351 | 145 | 1 837 | 34 |
| HEAT PUMP | 407 | 2 | 10 | 23 | 39 | 56 | 54 | 66 | 39 | 37 | 15 | 65 | 57 |
| STEAM OR HOT WATER | 6 742 | 344 | 1 408 | 1 378 | 862 | 393 | 249 | 173 | 35 | 41 | 29 | 1 829 | 25 |
| BUILT-IN ELECTRIC UNITS | 3 063 | 120 | 427 | 463 | 427 | 276 | 208 | 298 | 101 | 91 | 31 | 622 | 34 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 969 | 329 | 829 | 629 | 376 | 157 | 116 | 95 | 39 | 21 | 11 | 367 | 22 |
| ROOM HEATERS WITH FLUE | 1 667 | 102 | 371 | 335 | 238 | 136 | 85 | 81 | 26 | 25 | 9 | 262 | 26 |
| ROOM HEATERS WITHOUT FLUE | 1 190 | 43 | 193 | 240 | 180 | 137 | 92 | 114 | 29 | 40 | 10 | 114 | 33 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 026 | 23 | 189 | 167 | 212 | 114 | 87 | 70 | 22 | 27 | 8 | 107 | 33 |
| NONE | 372 | 20 | 48 | 27 | 34 | 36 | 23 | 26 | 18 | 14 | 6 | 121 | 38 |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 10 033 | 775 | 2 384 | 1 840 | 996 | 533 | 362 | 326 | 83 | 62 | 31 | 2 641 | 23 |
| 2 PERSONS | 8 149 | 271 | 1 510 | 1 603 | 1 275 | 716 | 567 | 539 | 176 | 157 | 53 | 1 281 | 30 |
| 3 PERSONS | 4 446 | 106 | 584 | 853 | 731 | 445 | 323 | 385 | 161 | 155 | 64 | 640 | 34 |
| 4 PERSONS | 3 008 | 59 | 287 | 494 | 522 | 340 | 269 | 320 | 120 | 124 | 61 | 412 | 38 |
| 5 PERSONS | 1 385 | 10 | 108 | 205 | 221 | 146 | 169 | 161 | 56 | 93 | 24 | 192 | 43 |
| 6 PERSONS | 580 | 11 | 43 | 96 | 93 | 77 | 49 | 69 | 9 | 30 | 16 | 86 | 40 |
| 7 PERSONS OR MORE | 522 | 8 | 59 | 74 | 71 | 73 | 57 | 43 | 26 | 24 | 15 | 72 | 42 |
| MEDIAN | 2.0 | 1.5- | 1.6 | 2.0 | 2.3 | 2.4 | 2.4 | 2.6 | 2.8 | 3.2 | 3.2 | 1.5 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 13 980 | 324 | 1 905 | 2 388 | 2 026 | 1 357 | 1 204 | 1 321 | 498 | 516 | 205 | 2 236 | 36 |
| ROOM UNITS | 8 053 | 252 | 1 439 | 1 667 | 1 282 | 735 | 611 | 576 | 197 | 159 | 77 | 1 058 | 31 |
| 1 | 6 192 | 230 | 1 227 | 1 365 | 927 | 534 | 403 | 348 | 134 | 85 | 45 | 893 | 28 |
| 2 | 1 586 | 20 | 190 | 266 | 307 | 168 | 179 | 182 | 53 | 58 | 26 | 139 | 37 |
| 3 | 221 | - | 12 | 27 | 40 | 31 | 26 | 36 | 5 | 15 | 5 | 24 | 45 |
| 4 | 39 | 2 | 7 | 6 | 6 | 2 | 2 | 9 | 5 | - | - | - | 36 |
| 5 OR MORE | 15 | - | 3 | 2 | 2 | - | 2 | 2 | - | 2 | 2 | 2 | ... |
| CENTRAL SYSTEM | 5 926 | 72 | 465 | 721 | 743 | 622 | 593 | 745 | 301 | 357 | 128 | 1 179 | 45 |
| WITH NO AIR CONDITIONING | 14 144 | 916 | 3 070 | 2 778 | 1 884 | 973 | 592 | 522 | 133 | 130 | 59 | 3 087 | 25 |

[1]RENTER HOUSEHOLDS WITH ELECTRICITY COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE A-9. MONTHLY COST PAID FOR GAS BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $10 | $10 TO $14 | $15 TO $19 | $20 TO $24 | $25 TO $29 | $30 TO $39 | $40 TO $49 | $50 TO $69 | $70 TO $99 | $100 OR MORE | NO GAS USED OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 43 293 | 1 353 | 1 922 | 2 057 | 2 671 | 2 620 | 5 373 | 4 636 | 6 958 | 3 174 | 1 464 | 11 066 | 40 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| GAS | 28 234 | 710 | 1 287 | 1 650 | 2 260 | 2 267 | 4 864 | 4 364 | 6 571 | 2 977 | 1 284 | - | 42 |
| UTILITY GAS | 26 640 | 661 | 1 206 | 1 574 | 2 123 | 2 129 | 4 629 | 4 172 | 6 188 | 2 798 | 1 158 | - | 42 |
| BOTTLED, TANK, OR LP GAS | 1 594 | 49 | 80 | 75 | 137 | 137 | 235 | 192 | 382 | 180 | 126 | - | 44 |
| OTHER THAN GAS | 14 885 | 637 | 523 | 404 | 401 | 349 | 501 | 268 | 385 | 194 | 178 | 10 945 | 23 |
| FUEL OIL | 6 490 | 423 | 393 | 254 | 222 | 223 | 269 | 139 | 238 | 137 | 118 | 4 466 | 22 |
| KEROSENE, ETC | 173 | 9 | 18 | 7 | 8 | 4 | 16 | 6 | 3 | 2 | 5 | 96 | 23 |
| ELECTRICITY | 6 903 | 144 | 133 | 103 | 128 | 82 | 176 | 105 | 128 | 48 | 47 | 5 711 | 27 |
| COAL OR COKE | 167 | 14 | 18 | 6 | 5 | 6 | 7 | 3 | 1 | 2 | 1 | 104 | 15 |
| WOOD | 830 | 47 | 62 | 27 | 36 | 32 | 29 | 15 | 13 | 6 | 7 | 556 | 20 |
| SOLAR HEAT | 13 | - | - | 2 | - | - | 2 | - | 2 | - | - | 8 | ... |
| OTHER FUEL | 8 | - | - | - | 2 | 2 | 2 | - | - | - | - | 3 | ... |
| NONE | 174 | 6 | 12 | 4 | 10 | 4 | 7 | 4 | 2 | 2 | 2 | 122 | 22 |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 26 271 | 598 | 925 | 1 129 | 1 594 | 1 660 | 3 859 | 3 627 | 5 350 | 2 273 | 877 | 4 380 | 43 |
| HEAT PUMP | 1 255 | 16 | 26 | 13 | 14 | 5 | 21 | 9 | 12 | 4 | 5 | 1 129 | 22 |
| STEAM OR HOT WATER | 5 397 | 240 | 239 | 171 | 210 | 195 | 369 | 326 | 831 | 630 | 424 | 1 759 | 52 |
| BUILT-IN ELECTRIC UNITS | 2 331 | 55 | 33 | 16 | 19 | 15 | 30 | 12 | 18 | 6 | 17 | 2 111 | 21 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 885 | 172 | 361 | 395 | 401 | 324 | 454 | 277 | 254 | 98 | 29 | 119 | 26 |
| ROOM HEATERS WITH FLUE | 1 469 | 88 | 71 | 104 | 135 | 163 | 214 | 145 | 205 | 56 | 55 | 234 | 32 |
| ROOM HEATERS WITHOUT FLUE | 1 307 | 61 | 94 | 124 | 172 | 146 | 267 | 141 | 173 | 68 | 27 | 33 | 31 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 2 204 | 117 | 161 | 100 | 115 | 107 | 151 | 96 | 111 | 37 | 28 | 1 179 | 26 |
| NONE | 174 | 6 | 12 | 4 | 10 | 4 | 7 | 4 | 2 | 2 | 2 | 122 | 22 |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 5 880 | 351 | 414 | 380 | 431 | 435 | 869 | 612 | 680 | 264 | 113 | 1 334 | 33 |
| 2 PERSONS | 13 667 | 459 | 638 | 797 | 936 | 895 | 1 838 | 1 417 | 2 109 | 829 | 337 | 3 413 | 37 |
| 3 PERSONS | 8 185 | 208 | 366 | 339 | 479 | 480 | 952 | 884 | 1 380 | 612 | 244 | 2 240 | 42 |
| 4 PERSONS | 8 826 | 194 | 288 | 309 | 483 | 479 | 1 036 | 980 | 1 524 | 763 | 363 | 2 407 | 44 |
| 5 PERSONS | 4 232 | 77 | 152 | 153 | 215 | 227 | 393 | 461 | 809 | 420 | 225 | 1 098 | 47 |
| 6 PERSONS | 1 537 | 40 | 30 | 45 | 86 | 64 | 156 | 183 | 312 | 162 | 108 | 351 | 48 |
| 7 PERSONS OR MORE | 966 | 23 | 34 | 33 | 42 | 40 | 129 | 99 | 144 | 125 | 74 | 224 | 46 |
| MEDIAN | 2.8 | 2.2 | 2.3 | 2.3 | 2.5 | 2.5 | 2.5 | 2.8 | 3.0 | 3.3 | 3.6 | 2.8 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 26 740 | 725 | 1 042 | 1 086 | 1 544 | 1 635 | 3 409 | 3 036 | 4 416 | 1 987 | 970 | 6 889 | 41 |
| ROOM UNITS | 12 959 | 436 | 598 | 582 | 778 | 850 | 1 694 | 1 409 | 2 072 | 974 | 519 | 3 046 | 40 |
| 1 | 7 633 | 255 | 360 | 364 | 458 | 490 | 1 048 | 826 | 1 216 | 521 | 235 | 1 861 | 38 |
| 2 | 3 729 | 116 | 171 | 152 | 238 | 244 | 466 | 428 | 614 | 280 | 154 | 867 | 41 |
| 3 | 1 128 | 48 | 45 | 48 | 57 | 102 | 129 | 119 | 167 | 120 | 81 | 214 | 42 |
| 4 | 326 | 16 | 13 | 12 | 14 | 13 | 37 | 31 | 51 | 38 | 29 | 72 | 46 |
| 5 OR MORE | 141 | 2 | 9 | 6 | 11 | 2 | 15 | 5 | 25 | 15 | 20 | 32 | 54 |
| CENTRAL SYSTEM | 13 781 | 289 | 444 | 504 | 766 | 785 | 1 715 | 1 627 | 2 344 | 1 013 | 450 | 3 843 | 43 |
| WITH NO AIR CONDITIONING | 16 553 | 628 | 880 | 971 | 1 127 | 985 | 1 964 | 1 600 | 2 542 | 1 187 | 494 | 4 177 | 37 |
| SPECIFIED RENTER OCCUPIED[3] | 28 123 | 2 694 | 2 168 | 1 567 | 1 354 | 1 026 | 1 642 | 1 105 | 1 358 | 614 | 313 | 14 281 | 21 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| GAS | 15 651 | 1 657 | 1 490 | 1 171 | 1 043 | 836 | 1 480 | 1 009 | 1 252 | 555 | 274 | 5 085 | 25 |
| UTILITY GAS | 15 135 | 1 632 | 1 437 | 1 122 | 986 | 779 | 1 404 | 938 | 1 169 | 495 | 221 | 4 952 | 24 |
| BOTTLED, TANK, OR LP GAS | 716 | 26 | 53 | 49 | 56 | 57 | 76 | 70 | 83 | 60 | 53 | 133 | 36 |
| OTHER THAN GAS | 11 900 | 996 | 643 | 381 | 306 | 185 | 157 | 93 | 100 | 54 | 40 | 8 944 | 13 |
| FUEL OIL | 4 927 | 770 | 475 | 285 | 212 | 116 | 89 | 56 | 51 | 27 | 29 | 2 819 | 12 |
| KEROSENE, ETC | 86 | 7 | 8 | 7 | 2 | 9 | - | - | 2 | 3 | - | 48 | 17 |
| ELECTRICITY | 6 293 | 174 | 120 | 83 | 73 | 40 | 55 | 26 | 36 | 17 | 3 | 5 667 | 16 |
| COAL OR COKE | 91 | 8 | 12 | - | 6 | 5 | 2 | - | 3 | 3 | 2 | 50 | 20 |
| WOOD | 436 | 32 | 23 | 6 | 14 | 16 | 11 | 10 | 8 | 3 | 7 | 306 | 21 |
| SOLAR HEAT | 5 | - | - | - | - | - | - | - | - | - | - | 5 | - |
| OTHER FUEL | 62 | 5 | 5 | - | - | - | - | 2 | - | - | - | 50 | ... |
| NONE | 372 | 41 | 34 | 14 | 5 | 5 | 5 | 3 | 6 | 5 | - | 252 | 12 |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 10 687 | 583 | 612 | 563 | 565 | 456 | 820 | 592 | 758 | 352 | 161 | 5 226 | 29 |
| HEAT PUMP | 407 | 10 | 3 | 2 | 3 | 2 | 3 | 1 | - | 1 | - | 381 | ... |
| STEAM OR HOT WATER | 6 742 | 1 038 | 580 | 325 | 247 | 137 | 171 | 119 | 179 | 100 | 64 | 3 783 | 13 |
| BUILT-IN ELECTRIC UNITS | 3 063 | 97 | 53 | 42 | 26 | 14 | 20 | 6 | 17 | 5 | - | 2 783 | 13 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 969 | 638 | 517 | 340 | 241 | 150 | 220 | 112 | 105 | 27 | 20 | 599 | 15 |
| ROOM HEATERS WITH FLUE | 1 667 | 119 | 129 | 114 | 90 | 113 | 211 | 140 | 182 | 61 | 38 | 470 | 31 |
| ROOM HEATERS WITHOUT FLUE | 1 190 | 90 | 161 | 134 | 128 | 106 | 159 | 106 | 78 | 38 | 19 | 172 | 24 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 026 | 78 | 80 | 33 | 49 | 42 | 34 | 25 | 33 | 25 | 11 | 615 | 21 |
| NONE | 372 | 41 | 34 | 14 | 5 | 5 | 5 | 3 | 6 | 5 | - | 252 | 12 |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 10 033 | 1 193 | 743 | 422 | 389 | 250 | 417 | 216 | 277 | 89 | 47 | 5 989 | 16 |
| 2 PERSONS | 8 149 | 827 | 661 | 503 | 350 | 288 | 437 | 300 | 372 | 167 | 62 | 4 182 | 19 |
| 3 PERSONS | 4 446 | 377 | 337 | 290 | 260 | 191 | 309 | 250 | 298 | 102 | 62 | 1 970 | 24 |
| 4 PERSONS | 3 008 | 183 | 231 | 195 | 179 | 162 | 264 | 189 | 195 | 133 | 60 | 1 217 | 28 |
| 5 PERSONS | 1 385 | 74 | 106 | 82 | 97 | 62 | 118 | 66 | 117 | 74 | 31 | 560 | 29 |
| 6 PERSONS | 580 | 28 | 42 | 46 | 42 | 33 | 53 | 44 | 39 | 29 | 27 | 198 | 29 |
| 7 PERSONS OR MORE | 522 | 14 | 47 | 29 | 37 | 40 | 44 | 40 | 61 | 20 | 24 | 166 | 32 |
| MEDIAN | 2.0 | 1.7 | 2.0 | 2.2 | 2.3 | 2.4 | 2.4 | 2.6 | 2.6 | 3.0 | 3.3 | 1.8 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 13 980 | 1 150 | 874 | 688 | 642 | 410 | 760 | 505 | 544 | 240 | 116 | 8 050 | 22 |
| ROOM UNITS | 8 053 | 903 | 522 | 470 | 420 | 262 | 494 | 361 | 366 | 188 | 91 | 3 875 | 21 |
| 1 | 6 192 | 714 | 495 | 363 | 314 | 196 | 368 | 249 | 264 | 127 | 63 | 3 038 | 20 |
| 2 | 1 536 | 160 | 100 | 99 | 89 | 56 | 111 | 94 | 92 | 49 | 21 | 715 | 23 |
| 3 | 221 | 22 | 21 | 5 | 12 | 7 | 16 | 14 | 10 | 10 | 3 | 102 | 24 |
| 4 | 39 | 3 | 4 | 2 | 5 | 3 | - | 3 | - | - | 3 | 15 | ... |
| 5 OR MORE | 15 | 5 | 2 | 2 | - | - | - | - | - | 2 | - | 5 | ... |
| CENTRAL SYSTEM | 5 926 | 247 | 252 | 217 | 222 | 148 | 266 | 144 | 178 | 53 | 25 | 4 175 | 23 |
| WITH NO AIR CONDITIONING | 14 144 | 1 544 | 1 293 | 879 | 712 | 616 | 883 | 600 | 814 | 374 | 197 | 6 232 | 21 |

[1]RENTER HOUSEHOLDS WITH ELECTRICITY COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE A-10. YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC., BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $100 | $100 TO $199 | $200 TO $299 | $300 TO $399 | $400 TO $499 | $500 TO $599 | $600 TO $699 | $700 TO $799 | $800 OR MORE | FUELS NOT USED, FREE, OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 43 293 | 1 555 | 1 399 | 785 | 650 | 610 | 672 | 783 | 584 | 3 667 | 32 588 | 552 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OIL, COAL, KEROSENE, WOOD, ETC. | 8 060 | 208 | 351 | 344 | 434 | 465 | 587 | 669 | 533 | 3 409 | 1 058 | 782 |
| FUEL OIL | 6 890 | 134 | 227 | 239 | 321 | 405 | 535 | 627 | 505 | 3 316 | 580 | 800+ |
| COAL OR COKE | 167 | 3 | 15 | 21 | 27 | 21 | 10 | 15 | 13 | 30 | 12 | 452 |
| KEROSENE, ETC | 173 | 10 | 20 | 21 | 26 | 13 | 24 | 8 | 3 | 26 | 21 | 395 |
| WOOD | 830 | 61 | 90 | 63 | 59 | 25 | 18 | 19 | 12 | 38 | 445 | 266 |
| OTHER THAN OIL, COAL, KEROSENE, WOOD, ETC | 35 059 | 1 347 | 1 047 | 440 | 216 | 145 | 84 | 114 | 51 | 257 | 31 357 | 148 |
| UTILITY GAS | 26 640 | 958 | 706 | 257 | 127 | 90 | 58 | 63 | 45 | 177 | 24 159 | 140 |
| BOTTLED, TANK, OR LP GAS | 1 594 | 50 | 51 | 38 | 23 | 22 | 10 | 27 | 3 | 17 | 1 353 | 250 |
| ELECTRICITY | 6 803 | 336 | 284 | 144 | 66 | 33 | 15 | 24 | 3 | 61 | 5 835 | 151 |
| SOLAR HEAT | 13 | - | 5 | - | - | - | 1 | - | - | - | 6 | ... |
| OTHER FUEL | 8 | 2 | - | - | - | - | - | 1 | - | 2 | 4 | ... |
| NONE | 174 | - | - | 1 | - | - | - | - | - | - | 173 | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 26 271 | 1 035 | 783 | 354 | 321 | 340 | 401 | 450 | 321 | 1 355 | 20 911 | 454 |
| HEAT PUMP | 1 255 | 85 | 54 | 21 | 8 | 3 | 3 | 10 | 2 | 10 | 1 060 | 123 |
| STEAM OR HOT WATER | 5 397 | 84 | 103 | 74 | 69 | 80 | 142 | 201 | 200 | 2 102 | 2 342 | 800+ |
| BUILT-IN ELECTRIC UNITS | 2 331 | 105 | 87 | 59 | 17 | 8 | 7 | 3 | - | 23 | 2 022 | 156 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 885 | 38 | 42 | 42 | 34 | 19 | 13 | 26 | 4 | 21 | 2 646 | 293 |
| ROOM HEATERS WITH FLUE | 1 469 | 60 | 69 | 60 | 60 | 53 | 50 | 33 | 23 | 64 | 998 | 377 |
| ROOM HEATERS WITHOUT FLUE | 1 307 | 27 | 21 | 13 | 5 | 8 | 5 | 7 | 2 | 10 | 1 208 | 204 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 2 204 | 122 | 239 | 163 | 136 | 99 | 50 | 52 | 34 | 81 | 1 228 | 277 |
| NONE | 174 | - | - | 1 | - | - | - | - | - | - | 173 | ... |
| PERSONS | | | | | | | | | | | | |
| 1 PERSON | 5 880 | 164 | 133 | 96 | 102 | 106 | 93 | 119 | 95 | 505 | 4 468 | 611 |
| 2 PERSONS | 13 667 | 438 | 409 | 268 | 239 | 188 | 235 | 295 | 189 | 1 149 | 10 258 | 569 |
| 3 PERSONS | 8 185 | 312 | 328 | 153 | 104 | 103 | 125 | 132 | 94 | 709 | 6 125 | 524 |
| 4 PERSONS | 8 826 | 354 | 313 | 158 | 106 | 109 | 128 | 135 | 112 | 705 | 6 705 | 515 |
| 5 PERSONS | 4 232 | 196 | 163 | 76 | 55 | 66 | 43 | 56 | 60 | 372 | 3 146 | 480 |
| 6 PERSONS | 1 537 | 48 | 38 | 19 | 22 | 22 | 34 | 29 | 24 | 146 | 1 156 | 629 |
| 7 PERSONS OR MORE | 966 | 43 | 16 | 17 | 22 | 16 | 14 | 16 | 11 | 82 | 729 | 531 |
| MEDIAN | 2.8 | 3.1 | 3.0 | 2.7 | 2.4 | 2.6 | 2.6 | 2.4 | 2.6 | 2.8 | 2.8 | ... |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 26 740 | 982 | 832 | 381 | 308 | 270 | 333 | 357 | 272 | 1 876 | 21 128 | 510 |
| ROOM UNITS | 12 959 | 298 | 311 | 206 | 183 | 187 | 222 | 249 | 209 | 1 538 | 9 555 | 722 |
| 1 | 7 633 | 172 | 199 | 135 | 122 | 140 | 147 | 139 | 128 | 744 | 5 707 | 634 |
| 2 | 3 729 | 89 | 83 | 51 | 41 | 33 | 59 | 74 | 56 | 489 | 2 755 | 800+ |
| 3 | 1 128 | 24 | 21 | 22 | 17 | 10 | 9 | 28 | 19 | 194 | 785 | 800+ |
| 4 | 326 | 2 | 6 | - | - | 4 | - | 8 | 4 | 79 | 224 | 800+ |
| 5 OR MORE | 141 | 11 | 2 | - | 3 | - | 7 | - | 2 | 33 | 83 | 800+ |
| CENTRAL SYSTEM | 13 781 | 684 | 522 | 173 | 125 | 83 | 112 | 109 | 62 | 338 | 11 573 | 180 |
| WITH NO AIR CONDITIONING | 16 553 | 574 | 566 | 405 | 342 | 340 | 338 | 426 | 312 | 1 790 | 11 460 | 594 |
| SPECIFIED RENTER OCCUPIED[3] | 28 123 | 400 | 277 | 200 | 166 | 197 | 148 | 188 | 103 | 552 | 25 892 | 437 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OIL, COAL, KEROSENE, WOOD, ETC. | 5 540 | 165 | 118 | 129 | 119 | 159 | 127 | 167 | 91 | 493 | 3 972 | 573 |
| FUEL OIL | 4 927 | 113 | 66 | 56 | 87 | 131 | 96 | 136 | 85 | 465 | 3 691 | 649 |
| COAL OR COKE | 91 | 5 | 8 | 14 | 9 | 5 | 4 | 8 | 2 | 5 | 31 | 338 |
| KEROSENE, ETC | 86 | 4 | 6 | 7 | 4 | 10 | 11 | 17 | 4 | 11 | 11 | 544 |
| WOOD | 436 | 43 | 38 | 51 | 19 | 12 | 16 | 7 | - | 12 | 239 | 234 |
| OTHER THAN OIL, COAL, KEROSENE, WOOD, ETC | 22 211 | 233 | 157 | 71 | 46 | 38 | 21 | 21 | 13 | 59 | 21 552 | 161 |
| UTILITY GAS | 15 135 | 127 | 85 | 31 | 28 | 20 | 14 | 17 | 8 | 36 | 14 769 | 165 |
| BOTTLED, TANK, OR LP GAS | 716 | 12 | 25 | 16 | 9 | 10 | 2 | 3 | 3 | 7 | 630 | 237 |
| ELECTRICITY | 6 293 | 94 | 47 | 25 | 9 | 8 | 6 | 1 | 1 | 15 | 6 086 | 119 |
| SOLAR HEAT | 5 | - | - | - | - | - | - | - | - | - | 5 | - |
| OTHER FUEL | 62 | - | - | - | - | - | - | - | - | - | 62 | - |
| NONE | 372 | 2 | 1 | - | 1 | - | - | - | - | - | 368 | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 10 687 | 151 | 102 | 52 | 56 | 93 | 69 | 99 | 56 | 218 | 9 791 | 493 |
| HEAT PUMP | 407 | 8 | 2 | 3 | 1 | - | - | - | - | - | 392 | ... |
| STEAM OR HOT WATER | 6 742 | 73 | 17 | 16 | 19 | 31 | 21 | 32 | 24 | 259 | 6 249 | 800+ |
| BUILT-IN ELECTRIC UNITS | 3 053 | 42 | 27 | 13 | 5 | 5 | 3 | - | 1 | 6 | 2 962 | 132 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 969 | 13 | 11 | 12 | 16 | 9 | 3 | 6 | 3 | 12 | 2 884 | 343 |
| ROOM HEATERS WITH FLUE | 1 667 | 22 | 39 | 14 | 30 | 24 | 31 | 34 | 14 | 23 | 1 437 | 443 |
| ROOM HEATERS WITHOUT FLUE | 1 190 | 17 | 7 | 12 | 5 | 5 | - | 2 | 3 | 4 | 1 135 | 233 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 026 | 73 | 71 | 79 | 32 | 30 | 21 | 16 | 2 | 30 | 674 | 241 |
| NONE | 372 | 2 | 1 | - | 1 | - | - | - | - | - | 368 | ... |
| PERSONS | | | | | | | | | | | | |
| 1 PERSON | 10 033 | 106 | 63 | 42 | 44 | 36 | 38 | 52 | 29 | 91 | 9 532 | 389 |
| 2 PERSONS | 8 149 | 124 | 58 | 39 | 48 | 63 | 39 | 57 | 22 | 153 | 7 545 | 451 |
| 3 PERSONS | 4 446 | 73 | 67 | 43 | 31 | 38 | 33 | 33 | 17 | 126 | 3 985 | 444 |
| 4 PERSONS | 3 008 | 54 | 47 | 45 | 29 | 28 | 22 | 30 | 19 | 81 | 2 651 | 411 |
| 5 PERSONS | 1 385 | 26 | 25 | 19 | 9 | 15 | 10 | 10 | 11 | 69 | 1 191 | 532 |
| 6 PERSONS | 580 | 7 | 12 | 9 | 3 | 10 | 2 | 6 | 4 | 17 | 510 | 438 |
| 7 PERSONS OR MORE | 522 | 6 | 5 | 4 | 1 | 6 | 4 | 2 | - | 14 | 479 | 459 |
| MEDIAN | 2.0 | 2.3 | 2.8 | 2.9 | 2.3 | 2.5 | 2.4 | 2.2 | 2.5 | 2.8 | 1.9 | ... |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 13 980 | 181 | 85 | 56 | 66 | 76 | 59 | 57 | 38 | 193 | 13 168 | 423 |
| ROOM UNITS | 8 053 | 102 | 55 | 42 | 53 | 56 | 51 | 47 | 35 | 177 | 7 434 | 502 |
| 1 | 6 192 | 74 | 38 | 34 | 47 | 50 | 44 | 37 | 24 | 118 | 5 727 | 478 |
| 2 | 1 586 | 26 | 12 | 8 | 6 | 3 | 8 | 7 | 8 | 50 | 1 460 | 627 |
| 3 | 221 | 3 | 2 | - | - | 3 | - | 2 | 2 | 9 | 200 | ... |
| 4 | 39 | - | 2 | - | - | - | - | 2 | - | - | 35 | ... |
| 5 OR MORE | 15 | - | 2 | - | - | - | - | - | 2 | - | 12 | ... |
| CENTRAL SYSTEM | 5 926 | 79 | 30 | 14 | 13 | 20 | 8 | 10 | 3 | 16 | 5 734 | 157 |
| WITH NO AIR CONDITIONING | 14 144 | 219 | 191 | 144 | 100 | 121 | 89 | 131 | 65 | 359 | 12 724 | 445 |

[1]RENTER HOUSEHOLDS WITH THESE FUEL COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY. [3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE A-11. HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK, BY DISTANCE AND TRAVEL TIME TO WORK: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | DRIVES SELF | CARPOOL | MASS TRANS-PORTATION | BICYCLE, MOTOR-CYCLE, OR MOPED | TAXICAB | WALKS ONLY | OTHER MEANS | WORKS AT HOME |
| HOUSING UNITS WITH EMPLOYED HOUSEHOLDERS[1] | 56 099 | 38 870 | 9 487 | 3 252 | 673 | 94 | 2 091 | 157 | 1 475 |
| DISTANCE FROM HOME TO WORK | | | | | | | | | |
| OWNER OCCUPIED | 37 175 | 27 296 | 6 297 | 1 193 | 356 | 11 | 824 | 120 | 1 080 |
| LESS THAN 1 MILE | 2 435 | 1 437 | 201 | 16 | 52 | 2 | 719 | 8 | - |
| 1 TO 4 MILES | 7 385 | 6 094 | 858 | 205 | 115 | 4 | 86 | 23 | - |
| 5 TO 9 MILES | 7 187 | 5 693 | 1 102 | 280 | 87 | 2 | - | 23 | - |
| 10 TO 19 MILES | 8 102 | 6 101 | 1 632 | 316 | 52 | - | - | - | - |
| 20 TO 29 MILES | 3 362 | 2 253 | 919 | 176 | 14 | - | - | - | - |
| 30 TO 49 MILES | 2 119 | 1 221 | 760 | 124 | 14 | - | - | - | - |
| 50 MILES OR MORE | 679 | 350 | 312 | 16 | 2 | - | - | - | - |
| WORKS AT HOME | 1 080 | - | - | - | - | - | - | - | 1 080 |
| NO FIXED PLACE OF WORK | 4 828 | 4 148 | 513 | 60 | 20 | 3 | 19 | 66 | - |
| MEDIAN | 9.0 | 8.5 | 14.5 | 12.1 | 5.0 | ... | 1.0- | 4.3 | - |
| RENTER OCCUPIED | 18 924 | 11 573 | 3 190 | 2 059 | 318 | 84 | 1 267 | 37 | 396 |
| LESS THAN 1 MILE | 2 087 | 722 | 151 | 38 | 50 | 8 | 1 106 | 13 | - |
| 1 TO 4 MILES | 4 871 | 3 174 | 744 | 643 | 141 | 41 | 124 | 4 | - |
| 5 TO 9 MILES | 3 787 | 2 528 | 644 | 550 | 54 | 8 | 2 | 2 | - |
| 10 TO 19 MILES | 3 800 | 2 523 | 716 | 513 | 43 | 2 | - | - | - |
| 20 TO 29 MILES | 1 199 | 747 | 304 | 138 | 8 | 1 | - | - | - |
| 30 TO 49 MILES | 626 | 356 | 222 | 40 | 8 | - | - | - | - |
| 50 MILES OR MORE | 215 | 110 | 99 | 2 | 3 | - | - | - | - |
| WORKS AT HOME | 396 | - | - | - | - | - | - | - | 396 |
| NO FIXED PLACE OF WORK | 1 944 | 1 413 | 308 | 135 | 10 | 24 | 35 | 18 | - |
| MEDIAN | 6.8 | 7.3 | 9.2 | 7.5 | 3.9 | 3.2 | 1.0- | ... | - |
| TRAVEL TIME FROM HOME TO WORK | | | | | | | | | |
| OWNER OCCUPIED | 37 175 | 27 296 | 6 297 | 1 193 | 356 | 11 | 824 | 120 | 1 080 |
| LESS THAN 15 MINUTES | 10 619 | 8 799 | 1 171 | 36 | 141 | 5 | 655 | 12 | - |
| 15 TO 29 MINUTES | 11 666 | 9 135 | 2 076 | 181 | 139 | 2 | 126 | 7 | - |
| 30 TO 44 MINUTES | 5 133 | 3 408 | 1 355 | 311 | 31 | - | 22 | 8 | - |
| 45 TO 59 MINUTES | 1 930 | 1 114 | 603 | 183 | 16 | - | - | 14 | - |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 1 280 | 523 | 441 | 298 | 9 | - | - | 9 | - |
| 1 HOUR AND 30 MINUTES OR MORE | 440 | 170 | 139 | 125 | - | - | 2 | 4 | - |
| WORKS AT HOME | 1 080 | - | - | - | - | - | - | - | 1 080 |
| NO FIXED PLACE OF WORK | 4 828 | 4 148 | 513 | 60 | 20 | 3 | 19 | 66 | - |
| MEDIAN | 21.2 | 19.5 | 27.4 | 48.2 | 17.9 | ... | 15.0- | 45.2 | - |
| RENTER OCCUPIED | 18 924 | 11 573 | 3 190 | 2 059 | 318 | 84 | 1 267 | 37 | 396 |
| LESS THAN 15 MINUTES | 6 304 | 4 197 | 868 | 125 | 147 | 45 | 908 | 14 | - |
| 15 TO 29 MINUTES | 6 090 | 4 093 | 1 124 | 474 | 113 | 13 | 272 | 2 | - |
| 30 TO 44 MINUTES | 2 441 | 1 293 | 531 | 547 | 31 | - | 37 | 2 | - |
| 45 TO 59 MINUTES | 851 | 350 | 177 | 301 | 9 | - | 11 | 2 | - |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 677 | 176 | 137 | 356 | 5 | - | 4 | - | - |
| 1 HOUR AND 30 MINUTES OR MORE | 221 | 53 | 44 | 122 | 2 | 1 | - | - | - |
| WORKS AT HOME | 396 | - | - | - | - | - | - | - | 396 |
| NO FIXED PLACE OF WORK | 1 944 | 1 413 | 308 | 135 | 10 | 24 | 35 | 18 | - |
| MEDIAN | 19.9 | 18.2 | 22.6 | 40.0 | 15.9 | 15.0- | 15.0- | ... | - |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE B-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 14 112 | 6 115 | 7 996 | 3 740 |
| HOUSE HEATING FUEL | | | | | |
| OWNER OCCUPIED | 10 946 | 8 169 | 2 386 | 5 783 | 2 777 |
| UTILITY GAS | 4 759 | 3 856 | 1 322 | 2 534 | 903 |
| BOTTLED, TANK, OR LP GAS | 90 | 54 | 4 | 50 | 36 |
| FUEL OIL | 5 000 | 3 689 | 959 | 2 731 | 1 311 |
| KEROSENE, ETC | 86 | 38 | 3 | 35 | 47 |
| ELECTRICITY | 670 | 391 | 79 | 311 | 280 |
| COAL OR COKE | 130 | 82 | 13 | 69 | 48 |
| WOOD | 207 | 57 | 4 | 53 | 150 |
| SOLAR HEAT | 1 | - | - | - | 1 |
| OTHER FUEL | 2 | 2 | 2 | - | - |
| NONE | - | - | - | - | - |
| RENTER OCCUPIED | 6 906 | 5 942 | 3 729 | 2 213 | 964 |
| UTILITY GAS | 2 576 | 2 233 | 1 349 | 884 | 343 |
| BOTTLED, TANK, OR LP GAS | 42 | 19 | 10 | 9 | 23 |
| FUEL OIL | 3 533 | 3 131 | 2 146 | 985 | 402 |
| KEROSENE, ETC | 23 | 9 | - | 9 | 15 |
| ELECTRICITY | 611 | 481 | 191 | 290 | 129 |
| COAL OR COKE | 41 | 31 | 10 | 21 | 10 |
| WOOD | 55 | 16 | 2 | 14 | 39 |
| SOLAR HEAT | - | - | - | - | - |
| OTHER FUEL | 13 | 10 | 10 | - | 3 |
| NONE | 12 | 12 | 11 | 2 | - |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 6 505 | 1 534 | 4 971 | 2 156 |
| ELECTRICITY PAID FOR | 8 656 | 6 503 | 1 533 | 4 971 | 2 153 |
| LESS THAN $10 | 25 | 16 | 6 | 10 | 9 |
| $10 TO $19 | 434 | 330 | 113 | 217 | 105 |
| $20 TO $29 | 1 300 | 922 | 226 | 696 | 378 |
| $30 TO $39 | 1 675 | 1 191 | 281 | 910 | 484 |
| $40 TO $49 | 1 358 | 1 039 | 283 | 757 | 319 |
| $50 TO $59 | 1 220 | 961 | 207 | 754 | 260 |
| $60 TO $79 | 1 285 | 977 | 236 | 741 | 308 |
| $80 TO $99 | 500 | 381 | 89 | 292 | 119 |
| $100 TO $149 | 649 | 530 | 76 | 453 | 119 |
| $150 OR MORE | 209 | 156 | 17 | 139 | 53 |
| MEDIAN | 46 | 47 | 45 | 48 | 43 |
| NO ELECTRICITY USED | 5 | 2 | 2 | - | 4 |
| SPECIFIED RENTER OCCUPIED[2] | 6 833 | 5 915 | 3 729 | 2 187 | 918 |
| ELECTRICITY PAID FOR | 5 208 | 4 487 | 2 716 | 1 771 | 721 |
| LESS THAN $10 | 131 | 112 | 61 | 51 | 19 |
| $10 TO $19 | 1 131 | 979 | 543 | 436 | 152 |
| $20 TO $29 | 1 435 | 1 244 | 797 | 446 | 191 |
| $30 TO $39 | 1 057 | 930 | 597 | 333 | 127 |
| $40 TO $49 | 553 | 483 | 299 | 184 | 70 |
| $50 TO $59 | 374 | 324 | 197 | 127 | 51 |
| $60 TO $79 | 313 | 266 | 148 | 117 | 47 |
| $80 TO $99 | 80 | 52 | 24 | 29 | 28 |
| $100 TO $149 | 87 | 59 | 26 | 34 | 27 |
| $150 OR MORE | 46 | 38 | 24 | 13 | 9 |
| MEDIAN | 28 | 28 | 29 | 28 | 29 |
| INCLUDED IN RENT | 1 609 | 1 417 | 1 006 | 409 | 192 |
| NO ELECTRICITY USED | 16 | 11 | 5 | 6 | 5 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 6 505 | 1 534 | 4 971 | 2 156 |
| GAS PAID FOR | 5 786 | 4 608 | 1 308 | 3 300 | 1 178 |
| LESS THAN $10 | 339 | 235 | 75 | 160 | 105 |
| $10 TO $14 | 371 | 261 | 61 | 200 | 110 |
| $15 TO $19 | 252 | 196 | 72 | 124 | 56 |
| $20 TO $24 | 242 | 210 | 75 | 135 | 32 |
| $25 TO $29 | 281 | 217 | 74 | 142 | 65 |
| $30 TO $39 | 624 | 510 | 159 | 351 | 114 |
| $40 TO $49 | 642 | 542 | 120 | 422 | 100 |
| $50 TO $69 | 1 403 | 1 129 | 298 | 831 | 274 |
| $70 TO $99 | 984 | 795 | 246 | 549 | 189 |
| $100 OR MORE | 646 | 512 | 127 | 386 | 134 |
| MEDIAN | 52 | 52 | 51 | 53 | 51 |
| NO GAS USED | 2 876 | 1 897 | 227 | 1 671 | 978 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE B-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 5 915 | 3 729 | 2 187 | 918 |
| GAS PAID FOR | 3 462 | 3 103 | 2 112 | 991 | 359 |
| LESS THAN $10 | 915 | 859 | 643 | 216 | 56 |
| $10 TO $14 | 558 | 515 | 386 | 129 | 43 |
| $15 TO $19 | 338 | 305 | 206 | 98 | 33 |
| $20 TO $24 | 289 | 271 | 184 | 88 | 18 |
| $25 TO $29 | 206 | 171 | 112 | 59 | 35 |
| $30 TO $39 | 299 | 252 | 147 | 105 | 47 |
| $40 TO $49 | 237 | 212 | 119 | 93 | 25 |
| $50 TO $69 | 325 | 270 | 152 | 118 | 55 |
| $70 TO $99 | 187 | 151 | 106 | 46 | 35 |
| $100 OR MORE | 109 | 97 | 58 | 39 | 12 |
| MEDIAN | 18 | 17 | 16 | 22 | 28 |
| INCLUDED IN RENT | 2 282 | 2 008 | 1 284 | 723 | 274 |
| NO GAS USED | 1 089 | 804 | 332 | 472 | 284 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 8 662 | 6 505 | 1 534 | 4 971 | 2 156 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 4 570 | 3 281 | 590 | 2 691 | 1 289 |
| LESS THAN $100 | 171 | 134 | 21 | 114 | 36 |
| $100 TO $199 | 191 | 123 | 11 | 112 | 68 |
| $200 TO $299 | 185 | 101 | 8 | 94 | 84 |
| $300 TO $399 | 187 | 126 | 24 | 102 | 61 |
| $400 TO $499 | 216 | 133 | 30 | 103 | 85 |
| $500 TO $599 | 288 | 162 | 26 | 136 | 126 |
| $600 TO $699 | 353 | 228 | 38 | 190 | 125 |
| $700 TO $799 | 294 | 207 | 28 | 180 | 87 |
| $800 OR MORE | 2 683 | 2 065 | 405 | 1 661 | 617 |
| MEDIAN | 800+ | 800+ | 800+ | 800+ | 768 |
| FUELS NOT USED OR FREE | 4 091 | 3 224 | 944 | 2 280 | 868 |
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 5 915 | 3 729 | 2 187 | 918 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 776 | 533 | 202 | 331 | 243 |
| LESS THAN $100 | 94 | 89 | 66 | 23 | 5 |
| $100 TO $199 | 23 | 18 | 3 | 15 | 5 |
| $200 TO $299 | 44 | 21 | 3 | 17 | 23 |
| $300 TO $399 | 31 | 19 | 5 | 14 | 11 |
| $400 TO $499 | 69 | 41 | 14 | 28 | 28 |
| $500 TO $599 | 56 | 26 | 5 | 21 | 29 |
| $600 TO $699 | 75 | 45 | 16 | 29 | 31 |
| $700 TO $799 | 51 | 29 | 9 | 20 | 22 |
| $800 OR MORE | 333 | 245 | 81 | 163 | 89 |
| MEDIAN | 694 | 725 | 629 | 789 | 664 |
| INCLUDED IN RENT | 3 436 | 3 220 | 2 401 | 820 | 216 |
| FUELS NOT USED OR FREE | 2 621 | 2 162 | 1 126 | 1 036 | 458 |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 14 112 | 6 115 | 7 996 | 3 740 |
| HEATING EQUIPMENT | | | | | |
| OWNER OCCUPIED | 10 946 | 8 169 | 2 386 | 5 783 | 2 777 |
| WARM-AIR FURNACE | 4 709 | 3 434 | 861 | 2 573 | 1 275 |
| HEAT PUMP | 70 | 55 | 6 | 49 | 15 |
| STEAM OR HOT WATER | 4 966 | 4 137 | 1 402 | 2 735 | 829 |
| BUILT-IN ELECTRIC UNITS | 479 | 256 | 55 | 201 | 223 |
| FLOOR, WALL, OR PIPELESS FURNACE | 88 | 46 | 12 | 34 | 42 |
| ROOM HEATERS WITH FLUE | 135 | 69 | 27 | 42 | 65 |
| ROOM HEATERS WITHOUT FLUE | 12 | 8 | 4 | 4 | 4 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 487 | 164 | 21 | 143 | 323 |
| NONE | - | - | - | - | - |
| RENTER OCCUPIED | 6 906 | 5 942 | 3 729 | 2 213 | 964 |
| WARM-AIR FURNACE | 1 544 | 1 263 | 590 | 673 | 281 |
| HEAT PUMP | 22 | 22 | 17 | 5 | - |
| STEAM OR HOT WATER | 4 319 | 3 922 | 2 741 | 1 181 | 396 |
| BUILT-IN ELECTRIC UNITS | 533 | 413 | 164 | 249 | 121 |
| FLOOR, WALL, OR PIPELESS FURNACE | 44 | 12 | 7 | 5 | 32 |
| ROOM HEATERS WITH FLUE | 271 | 219 | 153 | 66 | 52 |
| ROOM HEATERS WITHOUT FLUE | 33 | 21 | 17 | 4 | 12 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 128 | 58 | 29 | 29 | 71 |
| NONE | 12 | 12 | 11 | 2 | - |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE B-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 14 112 | 6 115 | 7 996 | 3 740 |
| UNITS OCCUPIED LAST WINTER | 15 914 | 12 569 | 5 321 | 7 249 | 3 345 |
| INSUFFICIENT HEAT | | | | | |
| CLOSURE OF ROOMS: | | | | | |
| OWNER OCCUPIED | 10 497 | 7 857 | 2 303 | 5 554 | 2 639 |
| WITH HEATING EQUIPMENT | 10 497 | 7 857 | 2 303 | 5 554 | 2 639 |
| NO ROOMS CLOSED | 10 123 | 7 590 | 2 202 | 5 388 | 2 533 |
| CLOSED CERTAIN ROOMS | 280 | 194 | 77 | 117 | 86 |
| LIVING ROOM ONLY | 10 | 8 | 4 | 4 | 2 |
| DINING ROOM ONLY | 4 | 4 | - | 4 | - |
| 1 OR MORE BEDROOMS ONLY | 178 | 115 | 45 | 70 | 63 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 81 | 61 | 26 | 35 | 19 |
| NOT REPORTED | 7 | 5 | 2 | 3 | 2 |
| NOT REPORTED | 94 | 73 | 24 | 49 | 21 |
| NO HEATING EQUIPMENT | - | - | - | - | - |
| RENTER OCCUPIED | 5 418 | 4 712 | 3 018 | 1 694 | 706 |
| WITH HEATING EQUIPMENT | 5 405 | 4 700 | 3 007 | 1 693 | 706 |
| NO ROOMS CLOSED | 4 977 | 4 313 | 2 734 | 1 579 | 663 |
| CLOSED CERTAIN ROOMS | 347 | 310 | 222 | 88 | 37 |
| LIVING ROOM ONLY | 38 | 36 | 28 | 8 | 2 |
| DINING ROOM ONLY | 5 | 5 | 5 | - | - |
| 1 OR MORE BEDROOMS ONLY | 207 | 188 | 133 | 56 | 18 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 94 | 79 | 57 | 22 | 15 |
| NOT REPORTED | 3 | 2 | - | 2 | 2 |
| NOT REPORTED | 81 | 76 | 50 | 26 | 5 |
| NO HEATING EQUIPMENT | 12 | 12 | 11 | 2 | - |
| ADDITIONAL HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 10 497 | 7 857 | 2 303 | 5 554 | 2 639 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 7 690 | 2 278 | 5 411 | 2 341 |
| NO ADDITIONAL HEAT SOURCE USED | 9 169 | 7 036 | 2 085 | 4 950 | 2 133 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 742 | 560 | 168 | 392 | 182 |
| NOT REPORTED | 120 | 94 | 25 | 69 | 26 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 168 | 25 | 143 | 299 |
| RENTER OCCUPIED | 5 418 | 4 712 | 3 018 | 1 694 | 706 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 4 643 | 2 973 | 1 670 | 653 |
| NO ADDITIONAL HEAT SOURCE USED | 4 228 | 3 660 | 2 223 | 1 437 | 567 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 969 | 894 | 692 | 202 | 75 |
| NOT REPORTED | 99 | 89 | 58 | 31 | 10 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 69 | 45 | 24 | 53 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 10 497 | 7 857 | 2 303 | 5 554 | 2 639 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 7 690 | 2 278 | 5 411 | 2 341 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 8 731 | 6 909 | 2 020 | 4 889 | 1 822 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 186 | 693 | 230 | 463 | 493 |
| 1 ROOM | 531 | 376 | 121 | 255 | 155 |
| 2 ROOMS | 271 | 141 | 56 | 85 | 130 |
| 3 ROOMS OR MORE | 385 | 177 | 53 | 123 | 208 |
| NOT REPORTED | 113 | 87 | 28 | 59 | 26 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 168 | 25 | 143 | 299 |
| RENTER OCCUPIED | 5 418 | 4 712 | 3 018 | 1 694 | 706 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 4 643 | 2 973 | 1 670 | 653 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 4 707 | 4 180 | 2 677 | 1 502 | 527 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 489 | 375 | 242 | 133 | 114 |
| 1 ROOM | 228 | 189 | 130 | 58 | 39 |
| 2 ROOMS | 128 | 85 | 48 | 37 | 43 |
| 3 ROOMS OR MORE | 133 | 101 | 64 | 37 | 31 |
| NOT REPORTED | 100 | 89 | 53 | 36 | 11 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 69 | 45 | 24 | 53 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | |
| OWNER OCCUPIED | 10 497 | 7 857 | 2 303 | 5 554 | 2 639 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 7 690 | 2 278 | 5 411 | 2 341 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 168 | 25 | 143 | 299 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 355 | 128 | 15 | 112 | 227 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 40 | 13 | 4 | 10 | 26 |
| NOT REPORTED | 72 | 27 | 6 | 21 | 45 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE B-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD--CONTINUED | | | | | |
| RENTER OCCUPIED | 5 418 | 4 712 | 3 018 | 1 694 | 706 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 4 643 | 2 973 | 1 670 | 653 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 69 | 45 | 24 | 53 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 75 | 43 | 27 | 16 | 31 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 36 | 18 | 12 | 6 | 18 |
| NOT REPORTED | 11 | 7 | 5 | 2 | 3 |
| ALL OCCUPIED HOUSING UNITS | 17 652 | 14 112 | 6 115 | 7 996 | 3 740 |
| AIR CONDITIONING | | | | | |
| OWNER OCCUPIED | 10 946 | 8 169 | 2 386 | 5 783 | 2 777 |
| WITH AIR CONDITIONING | 5 469 | 4 585 | 1 476 | 3 109 | 884 |
| ROOM UNITS | 4 354 | 3 688 | 1 293 | 2 395 | 666 |
| 1 | 2 196 | 1 816 | 614 | 1 202 | 380 |
| 2 | 1 381 | 1 183 | 438 | 746 | 198 |
| 3 | 521 | 466 | 164 | 301 | 55 |
| 4 | 168 | 147 | 57 | 89 | 21 |
| 5 OR MORE | 89 | 76 | 19 | 57 | 13 |
| CENTRAL SYSTEM | 1 115 | 897 | 183 | 714 | 218 |
| WITH NO AIR CONDITIONING | 5 477 | 3 584 | 911 | 2 673 | 1 893 |
| RENTER OCCUPIED | 6 906 | 5 942 | 3 729 | 2 213 | 964 |
| WITH AIR CONDITIONING | 2 650 | 2 418 | 1 339 | 1 079 | 232 |
| ROOM UNITS | 2 185 | 1 976 | 1 121 | 855 | 209 |
| 1 | 1 481 | 1 326 | 744 | 582 | 155 |
| 2 | 608 | 562 | 311 | 251 | 46 |
| 3 | 77 | 72 | 52 | 20 | 5 |
| 4 | 15 | 13 | 13 | - | 2 |
| 5 OR MORE | 5 | 3 | 2 | 2 | 2 |
| CENTRAL SYSTEM | 465 | 442 | 218 | 224 | 23 |
| WITH NO AIR CONDITIONING | 4 256 | 3 524 | 2 390 | 1 135 | 732 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | |
| OWNER OCCUPIED | 7 590 | 5 671 | 1 476 | 4 195 | 1 920 |
| DRIVES SELF | 5 269 | 3 944 | 870 | 3 074 | 1 324 |
| CARPOOL | 1 267 | 849 | 208 | 641 | 417 |
| MASS TRANSPORTATION | 582 | 549 | 292 | 257 | 33 |
| BICYCLE, MOTORCYCLE, OR MOPED | 50 | 38 | 4 | 34 | 12 |
| TAXICAB | 2 | 2 | - | 2 | - |
| WALKS ONLY | 232 | 171 | 78 | 93 | 61 |
| OTHER MEANS | 14 | 9 | 2 | 7 | 5 |
| WORKS AT HOME | 175 | 109 | 22 | 87 | 65 |
| RENTER OCCUPIED | 4 158 | 3 556 | 2 056 | 1 500 | 602 |
| DRIVES SELF | 2 021 | 1 626 | 645 | 980 | 395 |
| CARPOOL | 524 | 421 | 177 | 244 | 103 |
| MASS TRANSPORTATION | 1 069 | 1 057 | 894 | 163 | 12 |
| BICYCLE, MOTORCYCLE, OR MOPED | 36 | 28 | 22 | 6 | 8 |
| TAXICAB | 41 | 39 | 36 | 3 | 2 |
| WALKS ONLY | 397 | 332 | 250 | 82 | 65 |
| OTHER MEANS | 5 | 3 | 3 | - | 2 |
| WORKS AT HOME | 64 | 50 | 28 | 21 | 15 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[2] | | | | | |
| OWNER OCCUPIED | 7 590 | 5 671 | 1 476 | 4 195 | 1 920 |
| HOUSEHOLDER DRIVES ALONE | 5 269 | 3 944 | 870 | 3 074 | 1 324 |
| IRREGULAR OR UNUSUAL WORK HOURS | 1 609 | 1 230 | 238 | 992 | 379 |
| IRREGULAR WORK LOCATION | 410 | 299 | 58 | 241 | 110 |
| CAR NEEDED FOR WORK OR ERRANDS | 670 | 483 | 115 | 368 | 187 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 1 638 | 1 210 | 271 | 939 | 428 |
| LIKES PRIVACY | 212 | 164 | 57 | 108 | 48 |
| OUT OF THE WAY TO PICK UP OTHERS | 273 | 204 | 50 | 154 | 70 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 42 | 30 | 11 | 18 | 12 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 66 | 51 | 14 | 37 | 16 |
| DOESN'T TRUST OTHERS DRIVING | 7 | 5 | 4 | 1 | 2 |
| SOME OTHER REASON | 318 | 249 | 46 | 204 | 69 |
| NOT REPORTED | 22 | 19 | 8 | 11 | 4 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 2 322 | 1 726 | 605 | 1 121 | 595 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE B-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1]--CON. | | | | | |
| RENTER OCCUPIED | 4 158 | 3 556 | 2 056 | 1 500 | 602 |
| HOUSEHOLDER DRIVES ALONE | 2 021 | 1 626 | 645 | 980 | 395 |
| IRREGULAR OR UNUSUAL WORK HOURS | 624 | 495 | 203 | 292 | 130 |
| IRREGULAR WORK LOCATION | 110 | 90 | 35 | 55 | 20 |
| CAR NEEDED FOR WORK OR ERRANDS | 205 | 171 | 61 | 111 | 34 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 718 | 579 | 222 | 356 | 140 |
| LIKES PRIVACY | 130 | 110 | 56 | 54 | 20 |
| OUT OF THE WAY TO PICK UP OTHERS | 85 | 62 | 19 | 43 | 23 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 13 | 11 | 5 | 6 | 2 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 45 | 31 | 12 | 19 | 14 |
| DOESN'T TRUST OTHERS DRIVING | 3 | 2 | 2 | - | 2 |
| SOME OTHER REASON | 81 | 71 | 30 | 41 | 10 |
| NOT REPORTED | 6 | 4 | 2 | 3 | 2 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 2 137 | 1 930 | 1 410 | 520 | 207 |
| DISTANCE FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 7 590 | 5 671 | 1 476 | 4 195 | 1 920 |
| LESS THAN 1 MILE | 550 | 352 | 113 | 240 | 198 |
| 1 TO 4 MILES | 1 459 | 1 128 | 396 | 731 | 331 |
| 5 TO 9 MILES | 1 334 | 1 081 | 287 | 794 | 253 |
| 10 TO 19 MILES | 1 662 | 1 295 | 339 | 956 | 367 |
| 20 TO 29 MILES | 725 | 549 | 108 | 441 | 176 |
| 30 TO 49 MILES | 548 | 340 | 49 | 290 | 208 |
| 50 MILES OR MORE | 158 | 100 | 9 | 90 | 58 |
| WORKS AT HOME | 175 | 109 | 22 | 87 | 65 |
| NO FIXED PLACE OF WORK | 979 | 717 | 151 | 566 | 262 |
| MEDIAN | 9.5 | 9.3 | 7.5 | 10.1 | 10.4 |
| RENTER OCCUPIED | 4 158 | 3 556 | 2 056 | 1 500 | 602 |
| LESS THAN 1 MILE | 507 | 387 | 269 | 117 | 120 |
| 1 TO 4 MILES | 1 050 | 929 | 600 | 329 | 121 |
| 5 TO 9 MILES | 809 | 702 | 382 | 321 | 107 |
| 10 TO 19 MILES | 845 | 748 | 394 | 353 | 98 |
| 20 TO 29 MILES | 314 | 271 | 148 | 123 | 43 |
| 30 TO 49 MILES | 151 | 123 | 39 | 84 | 28 |
| 50 MILES OR MORE | 30 | 18 | 7 | 11 | 12 |
| WORKS AT HOME | 64 | 50 | 28 | 21 | 15 |
| NO FIXED PLACE OF WORK | 387 | 328 | 187 | 141 | 59 |
| MEDIAN | 6.8 | 6.9 | 5.7 | 6.5 | 6.1 |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 7 590 | 5 671 | 1 476 | 4 195 | 1 920 |
| LESS THAN 15 MINUTES | 2 028 | 1 453 | 382 | 1 071 | 575 |
| 15 TO 29 MINUTES | 2 215 | 1 718 | 453 | 1 264 | 497 |
| 30 TO 44 MINUTES | 1 136 | 878 | 230 | 648 | 258 |
| 45 TO 59 MINUTES | 452 | 322 | 86 | 237 | 130 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 431 | 338 | 112 | 226 | 93 |
| 1 HOUR AND 30 MINUTES OR MORE | 175 | 136 | 40 | 96 | 39 |
| WORKS AT HOME | 175 | 109 | 22 | 87 | 65 |
| NO FIXED PLACE OF WORK | 979 | 717 | 151 | 566 | 262 |
| MEDIAN | 23.1 | 23.5 | 23.9 | 23.3 | 21.7 |
| RENTER OCCUPIED | 4 158 | 3 556 | 2 056 | 1 500 | 602 |
| LESS THAN 15 MINUTES | 1 134 | 870 | 462 | 408 | 264 |
| 15 TO 29 MINUTES | 1 229 | 1 063 | 541 | 522 | 166 |
| 30 TO 44 MINUTES | 657 | 595 | 366 | 229 | 62 |
| 45 TO 59 MINUTES | 298 | 282 | 202 | 79 | 16 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 291 | 281 | 197 | 85 | 10 |
| 1 HOUR AND 30 MINUTES OR MORE | 97 | 87 | 73 | 15 | 10 |
| WORKS AT HOME | 64 | 50 | 28 | 21 | 15 |
| NO FIXED PLACE OF WORK | 387 | 328 | 187 | 141 | 59 |
| MEDIAN | 23.8 | 25.1 | 27.7 | 22.5 | 15.0- |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE B-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 17 852 | 614 | 2 591 | 1 604 | 2 653 | 2 266 | 2 106 | 2 835 | 1 931 | 928 | 324 | 18200 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 946 | 221 | 898 | 726 | 1 311 | 1 324 | 1 466 | 2 210 | 1 662 | 836 | 291 | 23400 |
| UTILITY GAS | 4 759 | 87 | 356 | 291 | 552 | 568 | 626 | 1 002 | 760 | 399 | 118 | 24200 |
| BOTTLED, TANK, OR LP GAS | 90 | 3 | 12 | 6 | 18 | 14 | 11 | 13 | 6 | 6 | 1 | 17100 |
| FUEL OIL | 5 000 | 108 | 466 | 346 | 602 | 613 | 657 | 966 | 743 | 349 | 149 | 22800 |
| KEROSENE, ETC | 86 | 5 | 16 | 9 | 21 | 8 | 14 | 10 | - | 2 | - | 13000 |
| ELECTRICITY | 670 | 13 | 23 | 39 | 59 | 75 | 106 | 153 | 121 | 65 | 20 | 26500 |
| COAL OR COKE | 130 | 2 | 11 | 16 | 27 | 19 | 21 | 21 | 7 | 7 | - | 17800 |
| WOOD | 207 | 3 | 17 | 19 | 32 | 28 | 28 | 44 | 25 | 8 | 3 | 20800 |
| SOLAR HEAT | 1 | - | - | - | - | - | 1 | - | - | - | - | ... |
| OTHER FUEL | 2 | - | - | - | - | - | - | 2 | - | - | - | ... |
| NONE | - | - | - | - | - | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 6 906 | 392 | 1 693 | 878 | 1 342 | 942 | 640 | 624 | 269 | 91 | 33 | 11800 |
| UTILITY GAS | 2 576 | 133 | 696 | 370 | 462 | 347 | 219 | 222 | 97 | 25 | 6 | 11000 |
| BOTTLED, TANK, OR LP GAS | 42 | 7 | 7 | 6 | 9 | 3 | 3 | 6 | 2 | - | - | 10700 |
| FUEL OIL | 3 533 | 207 | 807 | 410 | 725 | 480 | 352 | 324 | 145 | 58 | 25 | 12400 |
| KEROSENE, ETC | 23 | - | 6 | 3 | 6 | 6 | 3 | - | - | - | - | ... |
| ELECTRICITY | 611 | 37 | 141 | 77 | 117 | 93 | 54 | 65 | 18 | 7 | 1 | 12100 |
| COAL OR COKE | 41 | 2 | 16 | 5 | 7 | 2 | 5 | 3 | 1 | - | - | 8700 |
| WOOD | 55 | 3 | 12 | 2 | 13 | 11 | 3 | 4 | 7 | - | - | 13800 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 13 | - | 3 | 3 | - | - | 2 | 2 | - | 1 | 1 | ... |
| NONE | 12 | 3 | 4 | 2 | 4 | - | - | - | - | - | - | ... |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 155 | 641 | 526 | 939 | 989 | 1 165 | 1 823 | 1 434 | 754 | 234 | 24600 |
| ELECTRICITY PAID FOR | 8 656 | 154 | 640 | 524 | 939 | 989 | 1 165 | 1 823 | 1 434 | 754 | 234 | 24600 |
| LESS THAN $10 | 25 | 2 | 14 | - | 2 | - | 2 | 2 | 1 | 2 | - | ... |
| $10 TO $19 | 434 | 12 | 95 | 56 | 78 | 57 | 59 | 44 | 23 | 8 | 2 | 13400 |
| $20 TO $29 | 1 300 | 20 | 172 | 123 | 197 | 162 | 199 | 249 | 123 | 43 | 11 | 19200 |
| $30 TO $39 | 1 675 | 27 | 145 | 128 | 240 | 234 | 242 | 328 | 220 | 87 | 24 | 21300 |
| $40 TO $49 | 1 358 | 26 | 91 | 66 | 156 | 161 | 187 | 310 | 237 | 102 | 23 | 24800 |
| $50 TO $59 | 1 220 | 17 | 56 | 72 | 103 | 126 | 164 | 261 | 250 | 139 | 34 | 27600 |
| $60 TO $79 | 1 285 | 24 | 35 | 44 | 93 | 123 | 167 | 312 | 290 | 156 | 41 | 30000 |
| $80 TO $99 | 500 | 5 | 12 | 13 | 24 | 63 | 60 | 130 | 111 | 56 | 25 | 30500 |
| $100 TO $149 | 649 | 11 | 11 | 15 | 35 | 44 | 61 | 162 | 142 | 119 | 50 | 34100 |
| $150 OR MORE | 209 | 8 | 9 | 6 | 12 | 18 | 24 | 27 | 38 | 43 | 25 | 35400 |
| MEDIAN | 46 | 45 | 32 | 36 | 37 | 42 | 44 | 48 | 54 | 59 | 71 | ... |
| NO ELECTRICITY USED | 5 | 2 | 2 | 2 | - | - | - | - | - | - | - | ... |
| SPECIFIED RENTER OCCUPIED[2] | 6 833 | 385 | 1 681 | 869 | 1 328 | 937 | 638 | 609 | 266 | 88 | 33 | 11800 |
| ELECTRICITY PAID FOR | 5 208 | 265 | 1 159 | 614 | 1 029 | 773 | 526 | 520 | 222 | 73 | 26 | 12700 |
| LESS THAN $10 | 131 | 8 | 46 | 26 | 18 | 21 | 8 | 2 | 2 | - | - | 8300 |
| $10 TO $19 | 1 131 | 80 | 307 | 155 | 228 | 155 | 96 | 81 | 23 | 5 | 2 | 10500 |
| $20 TO $29 | 1 435 | 74 | 343 | 150 | 304 | 236 | 142 | 135 | 41 | 9 | 2 | 12500 |
| $30 TO $39 | 1 057 | 51 | 200 | 111 | 212 | 165 | 115 | 122 | 57 | 18 | 7 | 13900 |
| $40 TO $49 | 553 | 22 | 107 | 83 | 103 | 67 | 51 | 75 | 27 | 10 | 7 | 13100 |
| $50 TO $59 | 374 | 14 | 64 | 36 | 70 | 48 | 61 | 37 | 28 | 13 | 4 | 15300 |
| $60 TO $79 | 313 | 11 | 60 | 39 | 60 | 43 | 24 | 44 | 22 | 10 | 2 | 13900 |
| $80 TO $99 | 80 | - | 17 | 5 | 15 | 10 | 7 | 6 | 14 | 7 | - | 16800 |
| $100 TO $149 | 87 | 3 | 8 | 5 | 14 | 18 | 16 | 13 | 6 | 2 | 2 | 18900 |
| $150 OR MORE | 46 | 2 | 8 | 5 | 6 | 9 | 5 | 7 | 3 | - | 1 | 16300 |
| MEDIAN | 28 | 25 | 26 | 28 | 28 | 28 | 31 | 33 | 37 | 44 | ... | ... |
| INCLUDED IN RENT | 1 609 | 118 | 517 | 251 | 295 | 160 | 112 | 88 | 44 | 15 | 7 | 9000 |
| NO ELECTRICITY USED | 16 | 2 | 4 | 3 | 3 | 3 | - | - | - | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 155 | 641 | 526 | 939 | 989 | 1 165 | 1 823 | 1 434 | 754 | 234 | 24600 |
| GAS PAID FOR | 5 786 | 110 | 465 | 368 | 647 | 672 | 767 | 1 214 | 910 | 476 | 157 | 24100 |
| LESS THAN $10 | 339 | 6 | 61 | 25 | 51 | 40 | 52 | 55 | 31 | 12 | 7 | 18300 |
| $10 TO $14 | 371 | 9 | 43 | 33 | 57 | 59 | 49 | 59 | 45 | 5 | 13 | 18700 |
| $15 TO $19 | 252 | 4 | 41 | 30 | 35 | 23 | 38 | 44 | 27 | 9 | 2 | 18600 |
| $20 TO $24 | 242 | 2 | 32 | 23 | 21 | 25 | 27 | 54 | 41 | 5 | 11 | 23300 |
| $25 TO $29 | 281 | 5 | 17 | 24 | 34 | 39 | 41 | 59 | 41 | 22 | - | 22700 |
| $30 TO $39 | 624 | 11 | 38 | 36 | 74 | 98 | 89 | 142 | 96 | 30 | 7 | 23100 |
| $40 TO $49 | 642 | 21 | 44 | 38 | 65 | 78 | 102 | 132 | 117 | 40 | 6 | 23700 |
| $50 TO $69 | 1 403 | 21 | 96 | 79 | 164 | 167 | 165 | 346 | 212 | 120 | 32 | 25200 |
| $70 TO $99 | 984 | 13 | 54 | 55 | 92 | 97 | 117 | 221 | 183 | 120 | 32 | 27900 |
| $100 OR MORE | 646 | 19 | 39 | 27 | 52 | 46 | 88 | 101 | 114 | 113 | 47 | 30200 |
| MEDIAN | 52 | 48 | 40 | 43 | 47 | 46 | 48 | 53 | 55 | 68 | 71 | ... |
| NO GAS USED | 2 876 | 45 | 176 | 157 | 293 | 318 | 398 | 610 | 524 | 278 | 77 | 25800 |
| SPECIFIED RENTER OCCUPIED[2] | 6 833 | 385 | 1 681 | 869 | 1 328 | 937 | 638 | 609 | 266 | 88 | 33 | 11800 |
| GAS PAID FOR | 3 462 | 193 | 830 | 418 | 687 | 520 | 326 | 315 | 119 | 50 | 5 | 12100 |
| LESS THAN $10 | 915 | 55 | 235 | 103 | 184 | 133 | 95 | 66 | 29 | 12 | 3 | 11800 |
| $10 TO $14 | 558 | 30 | 132 | 56 | 103 | 83 | 66 | 49 | 18 | 20 | 2 | 13000 |
| $15 TO $19 | 338 | 22 | 74 | 43 | 75 | 57 | 26 | 25 | 11 | 5 | - | 12000 |
| $20 TO $24 | 289 | 13 | 74 | 41 | 59 | 27 | 25 | 34 | 14 | 2 | - | 11400 |
| $25 TO $29 | 206 | 18 | 51 | 22 | 53 | 27 | 13 | 13 | 5 | 2 | - | 11100 |
| $30 TO $39 | 299 | 16 | 64 | 29 | 68 | 53 | 29 | 28 | 7 | 5 | - | 13000 |
| $40 TO $49 | 237 | 17 | 49 | 35 | 34 | 48 | 15 | 29 | 9 | 2 | - | 12600 |
| $50 TO $69 | 325 | 11 | 81 | 46 | 56 | 52 | 21 | 39 | 18 | 1 | - | 12200 |
| $70 TO $99 | 187 | 3 | 46 | 30 | 37 | 27 | 18 | 22 | 3 | - | - | 11900 |
| $100 OR MORE | 109 | 7 | 23 | 13 | 18 | 12 | 17 | 10 | 6 | 2 | - | 13100 |
| MEDIAN | 18 | 17 | 18 | 21 | 18 | 18 | 15 | 22 | 21 | 13 | ... | ... |
| INCLUDED IN RENT | 2 282 | 139 | 615 | 319 | 417 | 278 | 190 | 177 | 93 | 31 | 23 | 10800 |
| NO GAS USED | 1 089 | 53 | 237 | 131 | 225 | 139 | 122 | 117 | 54 | 7 | 5 | 12700 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE 8-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 155 | 641 | 526 | 939 | 989 | 1 165 | 1 823 | 1 434 | 754 | 234 | 24600 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 4 570 | 87 | 366 | 302 | 513 | 504 | 616 | 941 | 740 | 389 | 111 | 24200 |
| LESS THAN $100 | 171 | - | 11 | 3 | 8 | 20 | 19 | 34 | 41 | 33 | 2 | 32300 |
| $100 TO $199 | 191 | 5 | 3 | 17 | 20 | 23 | 22 | 50 | 23 | 29 | - | 26200 |
| $200 TO $299 | 185 | 7 | 14 | 12 | 26 | 15 | 33 | 44 | 26 | 3 | 5 | 22900 |
| $300 TO $399 | 187 | 9 | 14 | 8 | 23 | 17 | 41 | 37 | 26 | 7 | 5 | 22700 |
| $400 TO $499 | 218 | 4 | 17 | 22 | 30 | 39 | 37 | 31 | 26 | 10 | 2 | 19600 |
| $500 TO $599 | 288 | 9 | 33 | 17 | 36 | 27 | 46 | 49 | 41 | 19 | 12 | 22400 |
| $600 TO $699 | 353 | 5 | 47 | 19 | 55 | 37 | 54 | 59 | 61 | 14 | 2 | 21200 |
| $700 TO $799 | 294 | 5 | 26 | 19 | 25 | 43 | 43 | 60 | 39 | 27 | 8 | 23500 |
| $800 OR MORE | 2 683 | 44 | 202 | 184 | 292 | 284 | 320 | 578 | 457 | 248 | 75 | 25300 |
| MEDIAN | 800+ | 800+ | 800+ | 800+ | 800+ | 800+ | 800+ | 800+ | 800+ | 800+ | 800+ | ... |
| FUELS NOT USED OR FREE | 4 091 | 68 | 275 | 224 | 426 | 485 | 549 | 683 | 694 | 365 | 122 | 25200 |
| SPECIFIED RENTER OCCUPIED[2] | 6 833 | 385 | 1 681 | 869 | 1 328 | 937 | 638 | 609 | 266 | 88 | 33 | 11800 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 776 | 35 | 142 | 67 | 162 | 135 | 81 | 92 | 53 | 5 | 3 | 14400 |
| LESS THAN $100 | 94 | 3 | 15 | 10 | 21 | 14 | 13 | 11 | 5 | - | 2 | 14400 |
| $100 TO $199 | 23 | - | 1 | 8 | 5 | 3 | 5 | - | 1 | - | - | ... |
| $200 TO $299 | 44 | 5 | 7 | - | 9 | 11 | 5 | 5 | 2 | - | - | 15100 |
| $300 TO $399 | 31 | 2 | 10 | 4 | 8 | 2 | 3 | - | 2 | - | - | ... |
| $400 TO $499 | 69 | 5 | 19 | 8 | 11 | 13 | 3 | 6 | 3 | - | - | 11100 |
| $500 TO $599 | 56 | - | 13 | 4 | 14 | 7 | 3 | 8 | 7 | - | - | 13700 |
| $600 TO $699 | 75 | 4 | 19 | 8 | 22 | 10 | 5 | 3 | 4 | - | - | 11600 |
| $700 TO $799 | 51 | - | 16 | 2 | 4 | 14 | 3 | 10 | 2 | - | - | 16200 |
| $800 OR MORE | 333 | 16 | 43 | 23 | 67 | 61 | 41 | 49 | 27 | 5 | 2 | 16500 |
| MEDIAN | 694 | 652 | 635 | 576 | 655 | 751 | 800+ | 800+ | 800+ | ... | ... | ... |
| INCLUDED IN RENT | 3 436 | 208 | 892 | 428 | 663 | 437 | 320 | 278 | 118 | 64 | 28 | 11400 |
| FUELS NOT USED OR FREE | 2 621 | 141 | 547 | 374 | 502 | 365 | 237 | 239 | 95 | 19 | 1 | 11500 |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 614 | 2 591 | 1 604 | 2 653 | 2 266 | 2 106 | 2 835 | 1 931 | 928 | 324 | 18200 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 946 | 221 | 898 | 726 | 1 311 | 1 324 | 1 466 | 2 210 | 1 662 | 836 | 291 | 23400 |
| WARM-AIR FURNACE | 4 709 | 107 | 410 | 327 | 608 | 584 | 615 | 943 | 679 | 326 | 111 | 22600 |
| HEAT PUMP | 70 | 2 | 1 | 1 | 2 | 4 | 6 | 12 | 20 | 17 | 5 | 40500 |
| STEAM OR HOT WATER | 4 966 | 77 | 384 | 307 | 554 | 590 | 649 | 1 004 | 614 | 430 | 157 | 24400 |
| BUILT-IN ELECTRIC UNITS | 479 | 9 | 15 | 31 | 49 | 56 | 74 | 121 | 80 | 35 | 10 | 25500 |
| FLOOR, WALL, OR PIPELESS FURNACE | 88 | 4 | 14 | 11 | 8 | 15 | 23 | 3 | 11 | - | - | 17500 |
| ROOM HEATERS WITH FLUE | 135 | 9 | 27 | 15 | 18 | 15 | 20 | 23 | 4 | 2 | 2 | 14700 |
| ROOM HEATERS WITHOUT FLUE | 12 | - | 4 | 2 | 2 | - | 1 | 2 | 1 | - | - | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 487 | 13 | 43 | 33 | 72 | 61 | 77 | 102 | 53 | 26 | 7 | 21400 |
| NONE | - | - | - | - | - | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 6 906 | 392 | 1 693 | 878 | 1 342 | 942 | 640 | 624 | 269 | 91 | 33 | 11800 |
| WARM-AIR FURNACE | 1 544 | 84 | 322 | 214 | 315 | 214 | 134 | 158 | 82 | 17 | 3 | 12400 |
| HEAT PUMP | 22 | 7 | - | 2 | 2 | 1 | 1 | 5 | 2 | - | 1 | ... |
| STEAM OR HOT WATER | 4 319 | 230 | 1 085 | 520 | 830 | 581 | 434 | 384 | 157 | 69 | 29 | 12000 |
| BUILT-IN ELECTRIC UNITS | 533 | 27 | 133 | 73 | 98 | 82 | 41 | 58 | 15 | 6 | - | 11700 |
| FLOOR, WALL, OR PIPELESS FURNACE | 44 | 3 | 15 | 7 | 7 | 5 | 4 | 2 | 2 | - | - | 9000 |
| ROOM HEATERS WITH FLUE | 271 | 29 | 84 | 43 | 52 | 35 | 16 | 9 | 2 | - | - | 8500 |
| ROOM HEATERS WITHOUT FLUE | 33 | 2 | 14 | 3 | 6 | 6 | - | - | 2 | - | - | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 128 | 7 | 36 | 15 | 27 | 17 | 9 | 8 | 8 | - | - | 11100 |
| NONE | 12 | 3 | 4 | 2 | 4 | - | - | - | - | - | - | ... |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 614 | 2 591 | 1 604 | 2 653 | 2 266 | 2 106 | 2 835 | 1 931 | 928 | 324 | 18200 |
| UNITS OCCUPIED LAST WINTER | 15 914 | 496 | 2 196 | 1 426 | 2 281 | 1 983 | 1 911 | 2 623 | 1 805 | 892 | 301 | 18900 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 497 | 216 | 879 | 716 | 1 252 | 1 254 | 1 392 | 2 126 | 1 581 | 806 | 274 | 23300 |
| WITH HEATING EQUIPMENT | 10 497 | 216 | 879 | 716 | 1 252 | 1 254 | 1 392 | 2 126 | 1 581 | 806 | 274 | 23300 |
| NO ROOMS CLOSED | 10 123 | 201 | 821 | 674 | 1 214 | 1 210 | 1 345 | 2 055 | 1 546 | 785 | 271 | 23500 |
| CLOSED CERTAIN ROOMS | 280 | 11 | 53 | 39 | 29 | 31 | 34 | 44 | 27 | 8 | 3 | 16200 |
| LIVING ROOM ONLY | 10 | 2 | 1 | 2 | - | - | 2 | 2 | - | 1 | - | ... |
| DINING ROOM ONLY | 4 | 1 | - | 2 | - | - | - | - | 1 | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 178 | 7 | 38 | 19 | 23 | 20 | 25 | 21 | 18 | 6 | 2 | 15400 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 81 | 2 | 13 | 17 | 5 | 9 | 8 | 16 | 8 | 1 | 1 | 16900 |
| NOT REPORTED | 7 | - | - | - | - | 2 | - | 5 | - | - | - | ... |
| NOT REPORTED | 94 | 4 | 5 | 3 | 9 | 13 | 13 | 27 | 8 | 12 | - | 24900 |
| NO HEATING EQUIPMENT | - | - | - | - | - | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 5 418 | 280 | 1 317 | 710 | 1 029 | 729 | 519 | 498 | 224 | 87 | 26 | 12000 |
| WITH HEATING EQUIPMENT | 5 405 | 276 | 1 313 | 708 | 1 026 | 729 | 519 | 498 | 224 | 87 | 26 | 12000 |
| NO ROOMS CLOSED | 4 977 | 250 | 1 168 | 647 | 967 | 670 | 487 | 476 | 200 | 85 | 26 | 12200 |
| CLOSED CERTAIN ROOMS | 347 | 19 | 128 | 52 | 44 | 51 | 26 | 14 | 11 | 2 | - | 8500 |
| LIVING ROOM ONLY | 38 | 2 | 14 | 6 | 4 | 7 | 4 | 2 | - | - | - | 8600 |
| DINING ROOM ONLY | 5 | - | - | - | 2 | - | - | 2 | - | 2 | - | ... |
| 1 OR MORE BEDROOMS ONLY | 207 | 13 | 87 | 35 | 22 | 22 | 16 | 5 | 7 | - | - | 7300 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 94 | 4 | 25 | 12 | 16 | 21 | 7 | 6 | 4 | - | - | 12000 |
| NOT REPORTED | 3 | - | 2 | - | - | 2 | - | - | - | - | - | ... |
| NOT REPORTED | 81 | 7 | 17 | 8 | 14 | 8 | 6 | 7 | 14 | - | - | 12900 |
| NO HEATING EQUIPMENT | 12 | 3 | 4 | 2 | 4 | - | - | - | - | - | - | ... |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE B-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 497 | 216 | 879 | 716 | 1 252 | 1 254 | 1 392 | 2 126 | 1 581 | 806 | 274 | 23300 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 205 | 832 | 683 | 1 182 | 1 202 | 1 319 | 2 031 | 1 528 | 781 | 267 | 23500 |
| NO ADDITIONAL HEAT SOURCE USED | 9 169 | 194 | 750 | 620 | 1 061 | 1 099 | 1 212 | 1 854 | 1 415 | 711 | 252 | 23500 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 742 | 9 | 73 | 52 | 100 | 83 | 91 | 164 | 96 | 58 | 16 | 23000 |
| NOT REPORTED | 120 | 2 | 10 | 10 | 20 | 20 | 16 | 12 | 17 | 12 | - | 19400 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 12 | 47 | 33 | 70 | 52 | 73 | 95 | 53 | 24 | 7 | 21300 |
| RENTER OCCUPIED | 5 418 | 280 | 1 317 | 710 | 1 029 | 729 | 519 | 498 | 224 | 87 | 26 | 12000 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 275 | 1 276 | 695 | 1 003 | 714 | 509 | 489 | 220 | 87 | 26 | 12000 |
| NO ADDITIONAL HEAT SOURCE USED | 4 228 | 199 | 979 | 548 | 791 | 590 | 422 | 416 | 181 | 78 | 25 | 12500 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 969 | 62 | 279 | 136 | 196 | 107 | 84 | 63 | 33 | 9 | 2 | 10200 |
| NOT REPORTED | 99 | 14 | 18 | 12 | 17 | 18 | 3 | 10 | 7 | - | - | 11500 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 5 | 40 | 14 | 26 | 15 | 9 | 8 | 3 | - | - | 10300 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 497 | 216 | 879 | 716 | 1 252 | 1 254 | 1 392 | 2 126 | 1 581 | 806 | 274 | 23300 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 205 | 832 | 683 | 1 182 | 1 202 | 1 319 | 2 031 | 1 528 | 781 | 267 | 23500 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 8 731 | 177 | 678 | 569 | 995 | 1 007 | 1 143 | 1 807 | 1 387 | 719 | 250 | 24100 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 186 | 24 | 147 | 107 | 172 | 176 | 163 | 204 | 128 | 51 | 16 | 19100 |
| 1 ROOM | 531 | 2 | 48 | 48 | 73 | 76 | 65 | 106 | 76 | 27 | 9 | 21400 |
| 2 ROOMS | 271 | 7 | 43 | 20 | 48 | 43 | 28 | 45 | 31 | 5 | 1 | 17100 |
| 3 ROOMS OR MORE | 385 | 15 | 56 | 39 | 50 | 57 | 69 | 53 | 21 | 18 | 6 | 17800 |
| NOT REPORTED | 113 | 4 | 8 | 7 | 15 | 19 | 14 | 19 | 14 | 12 | 2 | 21400 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 12 | 47 | 33 | 70 | 52 | 73 | 95 | 53 | 24 | 7 | 21300 |
| RENTER OCCUPIED | 5 418 | 280 | 1 317 | 710 | 1 029 | 729 | 519 | 498 | 224 | 87 | 26 | 12000 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 275 | 1 276 | 695 | 1 003 | 714 | 509 | 489 | 220 | 87 | 26 | 12000 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 4 707 | 230 | 1 119 | 609 | 889 | 644 | 452 | 454 | 202 | 82 | 26 | 12200 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 489 | 32 | 140 | 73 | 97 | 54 | 54 | 26 | 10 | 4 | - | 10000 |
| 1 ROOM | 228 | 13 | 55 | 41 | 51 | 24 | 27 | 12 | 3 | 2 | - | 10500 |
| 2 ROOMS | 128 | 8 | 46 | 19 | 13 | 12 | 20 | 7 | 2 | 2 | - | 8600 |
| 3 ROOMS OR MORE | 133 | 10 | 39 | 13 | 32 | 19 | 8 | 7 | 4 | 1 | - | 10800 |
| NOT REPORTED | 100 | 13 | 18 | 14 | 18 | 15 | 3 | 10 | 6 | - | - | 11500 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 5 | 40 | 14 | 26 | 15 | 9 | 8 | 3 | - | - | 10300 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 497 | 216 | 879 | 716 | 1 252 | 1 254 | 1 392 | 2 126 | 1 581 | 806 | 274 | 23300 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 205 | 832 | 683 | 1 182 | 1 202 | 1 319 | 2 031 | 1 528 | 781 | 267 | 23500 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 12 | 47 | 33 | 70 | 52 | 73 | 95 | 53 | 24 | 7 | 21300 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 355 | 10 | 33 | 18 | 46 | 47 | 59 | 79 | 39 | 18 | 7 | 22000 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 40 | - | 5 | 5 | 16 | 3 | 5 | 4 | - | 1 | - | 13100 |
| NOT REPORTED | 72 | 2 | 9 | 10 | 8 | 2 | 9 | 12 | 14 | 5 | - | 22600 |
| RENTER OCCUPIED | 5 418 | 280 | 1 317 | 710 | 1 029 | 729 | 519 | 498 | 224 | 87 | 26 | 12000 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 275 | 1 276 | 695 | 1 003 | 714 | 509 | 489 | 220 | 87 | 26 | 12000 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 5 | 40 | 14 | 26 | 15 | 9 | 8 | 3 | - | - | 10300 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 75 | 2 | 22 | 11 | 16 | 11 | 5 | 7 | 2 | - | - | 10900 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 36 | 3 | 11 | 4 | 8 | 3 | 3 | 2 | 2 | - | - | 9900 |
| NOT REPORTED | 11 | - | 7 | - | 2 | 1 | 1 | - | - | - | - | ... |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 614 | 2 591 | 1 604 | 2 653 | 2 266 | 2 106 | 2 835 | 1 931 | 928 | 324 | 18200 |
| AIR CONDITIONING | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 946 | 221 | 898 | 726 | 1 311 | 1 324 | 1 466 | 2 210 | 1 662 | 836 | 291 | 23400 |
| WITH AIR CONDITIONING | 5 469 | 86 | 277 | 305 | 539 | 606 | 681 | 1 176 | 1 028 | 568 | 200 | 27000 |
| ROOM UNITS | 4 354 | 70 | 243 | 258 | 458 | 497 | 566 | 967 | 783 | 394 | 116 | 25900 |
| 1 | 2 196 | 30 | 161 | 151 | 294 | 282 | 291 | 487 | 324 | 147 | 30 | 23100 |
| 2 | 1 381 | 31 | 67 | 64 | 119 | 160 | 195 | 291 | 281 | 137 | 37 | 26900 |
| 3 | 521 | 5 | 11 | 33 | 30 | 41 | 58 | 140 | 113 | 65 | 26 | 30900 |
| 4 | 168 | 3 | 2 | 7 | 8 | 9 | 18 | 37 | 46 | 30 | 7 | 35000 |
| 5 OR MORE | 89 | 2 | 3 | 3 | 7 | 6 | 4 | 13 | 18 | 15 | 18 | 40900 |
| CENTRAL SYSTEM | 1 115 | 18 | 34 | 47 | 82 | 109 | 116 | 209 | 245 | 174 | 82 | 32300 |
| WITH NO AIR CONDITIONING | 5 477 | 133 | 621 | 421 | 772 | 719 | 784 | 1 034 | 634 | 268 | 91 | 20500 |
| RENTER OCCUPIED | 6 906 | 392 | 1 693 | 878 | 1 342 | 942 | 640 | 624 | 269 | 91 | 33 | 11800 |
| WITH AIR CONDITIONING | 2 650 | 87 | 374 | 292 | 468 | 455 | 347 | 364 | 169 | 65 | 28 | 16100 |
| ROOM UNITS | 2 185 | 77 | 319 | 235 | 400 | 374 | 286 | 290 | 124 | 58 | 22 | 15800 |
| 1 | 1 481 | 59 | 263 | 161 | 292 | 242 | 204 | 178 | 56 | 25 | - | 14400 |
| 2 | 608 | 15 | 50 | 68 | 98 | 119 | 72 | 91 | 61 | 24 | 9 | 18100 |
| 3 | 77 | 3 | 3 | 4 | 5 | 8 | 9 | 18 | 5 | 9 | 13 | 28300 |
| 4 | 15 | - | 2 | 2 | 5 | 2 | 2 | 2 | 2 | - | - | ... |
| 5 OR MORE | 5 | - | 2 | - | - | 2 | - | 2 | - | - | - | ... |
| CENTRAL SYSTEM | 465 | 10 | 55 | 57 | 69 | 82 | 61 | 73 | 45 | 7 | 6 | 17600 |
| WITH NO AIR CONDITIONING | 4 256 | 305 | 1 319 | 586 | 874 | 487 | 294 | 261 | 100 | 26 | 5 | 9600 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | | | | | | | | |
| OWNER OCCUPIED | 7 590 | 82 | 151 | 205 | 655 | 886 | 1 194 | 1 917 | 1 472 | 762 | 266 | 28200 |
| DRIVES SELF | 5 269 | 48 | 100 | 127 | 459 | 637 | 827 | 1 339 | 1 025 | 524 | 183 | 28300 |
| CARPOOL | 1 267 | 7 | 12 | 32 | 80 | 147 | 230 | 363 | 262 | 107 | 28 | 28500 |
| MASS TRANSPORTATION | 582 | 9 | 21 | 20 | 48 | 49 | 65 | 124 | 124 | 87 | 36 | 31500 |
| BICYCLE, MOTORCYCLE, OR MOPED | 50 | 2 | 2 | - | 6 | 9 | 6 | 8 | 15 | 3 | - | 26200 |
| TAXICAB | 2 | - | 2 | - | - | - | - | - | - | - | - | ... |
| WALKS ONLY | 232 | 8 | 7 | 13 | 39 | 21 | 43 | 47 | 25 | 22 | 7 | 23200 |
| OTHER MEANS | 14 | - | - | - | 2 | - | 3 | - | 4 | 3 | 2 | ... |
| WORKS AT HOME | 175 | 8 | 7 | 14 | 21 | 23 | 21 | 36 | 18 | 16 | 12 | 23600 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE B-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[1]--CONTINUED | | | | | | | | | | | | |
| RENTER OCCUPIED | 4 158 | 92 | 369 | 460 | 1 028 | 793 | 552 | 530 | 224 | 82 | 28 | 15800 |
| DRIVES SELF | 2 021 | 36 | 141 | 187 | 498 | 411 | 277 | 302 | 130 | 29 | 10 | 16800 |
| CARPOOL | 524 | 9 | 41 | 43 | 139 | 106 | 69 | 84 | 28 | 5 | - | 16400 |
| MASS TRANSPORTATION | 1 069 | 26 | 102 | 144 | 284 | 205 | 138 | 88 | 45 | 31 | 6 | 14600 |
| BICYCLE, MOTORCYCLE, OR MOPED | 36 | - | 5 | 2 | 7 | 10 | 3 | 2 | 6 | - | 2 | 17300 |
| TAXICAB | 41 | - | - | 7 | 2 | 5 | 5 | 7 | 4 | 5 | 6 | 27600 |
| WALKS ONLY | 397 | 11 | 71 | 62 | 76 | 53 | 56 | 40 | 10 | 12 | 5 | 13600 |
| OTHER MEANS | 5 | 2 | - | - | 2 | - | 2 | - | - | - | - | ... |
| WORKS AT HOME | 64 | 9 | 8 | 15 | 21 | 4 | - | 6 | 2 | - | - | 10100 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 7 590 | 82 | 151 | 205 | 655 | 886 | 1 194 | 1 917 | 1 472 | 762 | 266 | 28200 |
| HOUSEHOLDER DRIVES ALONE | 5 269 | 48 | 100 | 127 | 459 | 637 | 827 | 1 339 | 1 025 | 524 | 183 | 28300 |
| IRREGULAR OR UNUSUAL WORK HOURS | 1 609 | 15 | 29 | 33 | 147 | 179 | 235 | 410 | 315 | 173 | 73 | 29100 |
| IRREGULAR WORK LOCATION | 410 | 4 | 5 | 10 | 30 | 39 | 69 | 96 | 94 | 46 | 14 | 29900 |
| CAR NEEDED FOR WORK OR ERRANDS | 670 | 7 | 13 | 27 | 45 | 48 | 81 | 172 | 163 | 88 | 27 | 31700 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 1 638 | 17 | 23 | 45 | 161 | 239 | 286 | 438 | 273 | 115 | 40 | 26100 |
| LIKES PRIVACY | 212 | 2 | 9 | 3 | 19 | 27 | 40 | 47 | 41 | 14 | 10 | 26400 |
| OUT OF THE WAY TO PICK UP OTHERS | 273 | 2 | 14 | 5 | 19 | 49 | 41 | 75 | 45 | 19 | 3 | 25800 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 42 | - | - | - | 5 | 5 | 11 | 11 | 8 | 2 | - | 24800 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 66 | - | - | 2 | 4 | 11 | 8 | 15 | 16 | 8 | 2 | 30500 |
| DOESN'T TRUST OTHERS DRIVING | 7 | - | 2 | - | 2 | - | 1 | 2 | - | - | - | ... |
| SOME OTHER REASON | 318 | 2 | 6 | 2 | 23 | 36 | 53 | 69 | 62 | 52 | 13 | 30500 |
| NOT REPORTED | 22 | - | - | - | 4 | 3 | 2 | 4 | 7 | 3 | - | ... |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 2 322 | 34 | 50 | 78 | 195 | 249 | 367 | 578 | 448 | 238 | 84 | 28200 |
| RENTER OCCUPIED | 4 158 | 92 | 369 | 460 | 1 028 | 793 | 552 | 530 | 224 | 82 | 28 | 15800 |
| HOUSEHOLDER DRIVES ALONE | 2 021 | 36 | 141 | 187 | 498 | 411 | 277 | 302 | 130 | 29 | 10 | 16800 |
| IRREGULAR OR UNUSUAL WORK HOURS | 624 | 10 | 46 | 67 | 132 | 126 | 93 | 81 | 56 | 8 | 4 | 17300 |
| IRREGULAR WORK LOCATION | 110 | 2 | 10 | 8 | 19 | 29 | 20 | 16 | 7 | - | - | 17800 |
| CAR NEEDED FOR WORK OR ERRANDS | 205 | 3 | 12 | 14 | 48 | 40 | 29 | 39 | 13 | 7 | 1 | 18300 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 718 | 17 | 50 | 74 | 197 | 146 | 80 | 115 | 32 | 5 | 2 | 15700 |
| LIKES PRIVACY | 130 | 2 | 6 | 10 | 34 | 27 | 19 | 19 | 9 | 3 | - | 17300 |
| OUT OF THE WAY TO PICK UP OTHERS | 85 | - | 2 | 5 | 29 | 18 | 16 | 8 | 5 | 3 | - | 17000 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 13 | 2 | 2 | - | 3 | 5 | - | 2 | - | - | - | ... |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 45 | - | 2 | 2 | 22 | 7 | 5 | 7 | 1 | - | - | 14400 |
| DOESN'T TRUST OTHERS DRIVING | 3 | - | 2 | 2 | - | - | - | - | - | - | - | ... |
| SOME OTHER REASON | 81 | - | 10 | 5 | 13 | 13 | 13 | 15 | 7 | 3 | 2 | 19500 |
| NOT REPORTED | 6 | - | - | 2 | 1 | - | 2 | 2 | - | - | - | ... |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 2 137 | 56 | 228 | 273 | 529 | 383 | 275 | 228 | 94 | 52 | 19 | 14800 |
| DISTANCE FROM HOME TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 7 590 | 82 | 151 | 205 | 655 | 886 | 1 194 | 1 917 | 1 472 | 762 | 266 | 28200 |
| LESS THAN 1 MILE | 550 | 10 | 20 | 23 | 76 | 79 | 98 | 113 | 76 | 42 | 12 | 23400 |
| 1 TO 4 MILES | 1 459 | 20 | 39 | 38 | 157 | 193 | 242 | 362 | 249 | 123 | 36 | 26100 |
| 5 TO 9 MILES | 1 334 | 8 | 27 | 36 | 139 | 175 | 223 | 355 | 236 | 101 | 34 | 26600 |
| 10 TO 19 MILES | 1 662 | 11 | 22 | 44 | 131 | 207 | 276 | 424 | 322 | 167 | 58 | 28300 |
| 20 TO 29 MILES | 725 | 9 | 6 | 13 | 37 | 68 | 99 | 216 | 158 | 90 | 29 | 31000 |
| 30 TO 49 MILES | 548 | 2 | 7 | 11 | 26 | 53 | 74 | 143 | 133 | 77 | 22 | 32100 |
| 50 MILES OR MORE | 158 | - | 3 | 3 | 8 | 11 | 20 | 44 | 40 | 21 | 8 | 32800 |
| WORKS AT HOME | 175 | 8 | 7 | 14 | 21 | 23 | 21 | 36 | 16 | 16 | 12 | 23600 |
| NO FIXED PLACE OF WORK | 979 | 15 | 18 | 23 | 60 | 77 | 140 | 223 | 242 | 124 | 57 | 32000 |
| MEDIAN | 9.5 | 5.0 | 5.6 | 8.1 | 6.9 | 8.4 | 8.9 | 10.0 | 11.4 | 12.7 | 12.9 | ... |
| RENTER OCCUPIED | 4 158 | 92 | 369 | 460 | 1 028 | 793 | 552 | 530 | 224 | 82 | 28 | 15800 |
| LESS THAN 1 MILE | 507 | 11 | 85 | 74 | 131 | 51 | 62 | 55 | 22 | 10 | 7 | 13200 |
| 1 TO 4 MILES | 1 050 | 22 | 79 | 130 | 297 | 185 | 137 | 121 | 47 | 19 | 13 | 14900 |
| 5 TO 9 MILES | 809 | 17 | 70 | 89 | 223 | 170 | 96 | 98 | 25 | 19 | 1 | 15100 |
| 10 TO 19 MILES | 845 | 19 | 66 | 87 | 172 | 196 | 115 | 113 | 59 | 11 | 6 | 17000 |
| 20 TO 29 MILES | 314 | 5 | 14 | 19 | 73 | 77 | 59 | 47 | 20 | - | - | 18000 |
| 30 TO 49 MILES | 151 | 3 | 3 | 8 | 40 | 28 | 18 | 31 | 16 | 3 | - | 18800 |
| 50 MILES OR MORE | 30 | 1 | 2 | 3 | 7 | 4 | 9 | 5 | - | - | - | ... |
| WORKS AT HOME | 64 | 9 | 8 | 15 | 21 | 4 | - | 6 | 2 | - | - | 10100 |
| NO FIXED PLACE OF WORK | 387 | 6 | 40 | 34 | 64 | 79 | 55 | 55 | 34 | 18 | 2 | 18100 |
| MEDIAN | 6.8 | 6.8 | 4.8 | 5.1 | 6.0 | 8.5 | 7.6 | 8.0 | 10.0 | 5.5 | ... | ... |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 7 590 | 82 | 151 | 205 | 655 | 886 | 1 194 | 1 917 | 1 472 | 762 | 266 | 28200 |
| LESS THAN 15 MINUTES | 2 028 | 26 | 56 | 67 | 206 | 290 | 339 | 478 | 365 | 159 | 42 | 25600 |
| 15 TO 29 MINUTES | 2 215 | 19 | 34 | 41 | 234 | 297 | 375 | 592 | 379 | 176 | 69 | 26800 |
| 30 TO 44 MINUTES | 1 136 | 4 | 20 | 37 | 79 | 114 | 184 | 316 | 211 | 136 | 35 | 29100 |
| 45 TO 59 MINUTES | 452 | 4 | 6 | 9 | 28 | 35 | 67 | 116 | 102 | 67 | 17 | 31600 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 431 | 5 | 2 | 9 | 18 | 35 | 58 | 109 | 109 | 59 | 26 | 33100 |
| 1 HOUR AND 30 MINUTES OR MORE | 175 | 2 | 7 | 5 | 8 | 15 | 10 | 46 | 48 | 25 | 10 | 33900 |
| WORKS AT HOME | 175 | 8 | 7 | 14 | 21 | 23 | 21 | 36 | 18 | 16 | 12 | 23600 |
| NO FIXED PLACE OF WORK | 979 | 15 | 18 | 23 | 60 | 77 | 140 | 223 | 242 | 124 | 57 | 32000 |
| MEDIAN | 23.1 | 18.2 | 17.9 | 21.3 | 20.1 | 20.2 | 22.1 | 23.9 | 24.6 | 28.0 | 27.4 | ... |
| RENTER OCCUPIED | 4 158 | 92 | 369 | 460 | 1 028 | 793 | 552 | 530 | 224 | 82 | 28 | 15800 |
| LESS THAN 15 MINUTES | 1 134 | 28 | 103 | 120 | 324 | 177 | 139 | 156 | 62 | 17 | 9 | 14900 |
| 15 TO 29 MINUTES | 1 229 | 20 | 119 | 156 | 291 | 229 | 174 | 147 | 57 | 27 | 10 | 15600 |
| 30 TO 44 MINUTES | 657 | 12 | 52 | 62 | 154 | 149 | 96 | 86 | 30 | 11 | 6 | 16600 |
| 45 TO 59 MINUTES | 298 | 6 | 18 | 24 | 84 | 70 | 40 | 28 | 22 | 7 | - | 16200 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 291 | 10 | 17 | 36 | 68 | 62 | 38 | 43 | 14 | - | 2 | 16100 |
| 1 HOUR AND 30 MINUTES OR MORE | 97 | 2 | 12 | 14 | 22 | 24 | 9 | 10 | 3 | 2 | - | 14800 |
| WORKS AT HOME | 64 | 9 | 8 | 15 | 21 | 4 | - | 6 | 2 | - | - | 10100 |
| NO FIXED PLACE OF WORK | 387 | 6 | 40 | 34 | 64 | 79 | 55 | 55 | 34 | 18 | 2 | 18100 |
| MEDIAN | 23.8 | 23.4 | 22.3 | 23.3 | 22.6 | 26.7 | 24.3 | 23.0 | 23.5 | 23.2 | ... | ... |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE B-3. VALUE OF OWNER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | LESS THAN $10,000 | $10,000 TO $19,999 | $20,000 TO $29,999 | $30,000 TO $39,999 | $40,000 TO $49,999 | $50,000 TO $59,999 | $60,000 TO $74,999 | $75,000 TO $99,999 | $100,000 TO $199,999 | $200,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 94 | 367 | 656 | 1 105 | 1 377 | 1 207 | 1 561 | 1 266 | 880 | 147 | 56100 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| UTILITY GAS | 3 949 | 33 | 216 | 327 | 544 | 635 | 524 | 653 | 550 | 402 | 65 | 54200 |
| BOTTLED, TANK, OR LP GAS | 55 | - | 5 | 9 | 10 | 5 | 9 | 9 | 6 | 1 | - | 46100 |
| FUEL OIL | 3 856 | 29 | 107 | 261 | 479 | 592 | 561 | 779 | 581 | 395 | 72 | 58200 |
| KEROSENE, ETC | 43 | 7 | 6 | 7 | 11 | 4 | 2 | 4 | 3 | - | - | 31500 |
| ELECTRICITY | 503 | 4 | 15 | 24 | 33 | 77 | 85 | 83 | 99 | 73 | 10 | 62300 |
| COAL OR COKE | 102 | 7 | 12 | 14 | 11 | 27 | 8 | 14 | 9 | - | - | 42700 |
| WOOD | 152 | 13 | 7 | 14 | 17 | 38 | 18 | 20 | 16 | 9 | - | 46600 |
| SOLAR HEAT | 1 | - | - | - | - | - | - | - | 1 | - | - | ... |
| OTHER FUEL | - | - | - | - | - | - | - | - | - | - | - | - |
| NONE | - | - | - | - | - | - | - | - | - | - | - | - |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| ELECTRICITY PAID FOR | 8 656 | 93 | 364 | 656 | 1 105 | 1 377 | 1 207 | 1 561 | 1 266 | 880 | 147 | 56100 |
| LESS THAN $10 | 25 | 4 | 3 | - | 5 | 4 | 2 | 1 | 6 | - | - | ... |
| $10 TO $19 | 434 | 8 | 59 | 79 | 96 | 70 | 52 | 36 | 20 | 14 | - | 37300 |
| $20 TO $29 | 1 300 | 23 | 80 | 157 | 227 | 274 | 207 | 165 | 122 | 41 | 3 | 45900 |
| $30 TO $39 | 1 675 | 25 | 74 | 149 | 269 | 333 | 232 | 306 | 187 | 84 | 15 | 49600 |
| $40 TO $49 | 1 358 | 17 | 53 | 105 | 167 | 207 | 200 | 263 | 204 | 132 | 10 | 56500 |
| $50 TO $59 | 1 220 | 8 | 40 | 78 | 138 | 172 | 182 | 282 | 190 | 114 | 15 | 59500 |
| $60 TO $79 | 1 285 | 5 | 33 | 48 | 131 | 161 | 174 | 274 | 257 | 172 | 30 | 64900 |
| $80 TO $99 | 500 | - | 6 | 16 | 32 | 59 | 68 | 100 | 114 | 92 | 13 | 70400 |
| $100 TO $149 | 649 | 1 | 8 | 18 | 33 | 83 | 78 | 110 | 114 | 170 | 34 | 74100 |
| $150 OR MORE | 209 | - | 9 | 5 | 7 | 14 | 12 | 24 | 52 | 60 | 26 | 91300 |
| MEDIAN | 46 | 34 | 35 | 36 | 37 | 40 | 45 | 50 | 54 | 66 | 79 | ... |
| NO ELECTRICITY USED | 5 | 2 | 4 | - | - | - | - | - | - | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| GAS PAID FOR | 5 786 | 66 | 297 | 501 | 810 | 923 | 779 | 978 | 800 | 540 | 92 | 53800 |
| LESS THAN $10 | 339 | 5 | 11 | 47 | 57 | 61 | 47 | 55 | 28 | 25 | 4 | 48200 |
| $10 TO $14 | 371 | 11 | 13 | 29 | 69 | 80 | 38 | 66 | 45 | 19 | 2 | 48100 |
| $15 TO $19 | 252 | 4 | 17 | 23 | 37 | 43 | 35 | 40 | 39 | 11 | 4 | 50600 |
| $20 TO $24 | 242 | 3 | 10 | 20 | 33 | 46 | 31 | 47 | 24 | 21 | 5 | 52700 |
| $25 TO $29 | 261 | 9 | 22 | 30 | 39 | 48 | 45 | 25 | 48 | 13 | 3 | 48700 |
| $30 TO $39 | 624 | 1 | 37 | 73 | 103 | 123 | 81 | 108 | 60 | 36 | 3 | 48000 |
| $40 TO $49 | 642 | 7 | 42 | 67 | 105 | 129 | 105 | 79 | 73 | 29 | 5 | 47700 |
| $50 TO $69 | 1 403 | 10 | 69 | 111 | 205 | 234 | 206 | 249 | 183 | 105 | 9 | 52500 |
| $70 TO $99 | 984 | 11 | 33 | 69 | 112 | 109 | 124 | 193 | 186 | 126 | 22 | 62700 |
| $100 OR MORE | 646 | 5 | 22 | 33 | 52 | 51 | 63 | 118 | 112 | 154 | 36 | 72300 |
| MEDIAN | 52 | 40 | 48 | 44 | 46 | 44 | 51 | 55 | 58 | 72 | 86 | ... |
| NO GAS USED | 2 876 | 29 | 70 | 155 | 295 | 454 | 428 | 583 | 466 | 340 | 55 | 60200 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 4 570 | 53 | 145 | 334 | 562 | 738 | 660 | 870 | 672 | 454 | 83 | 56900 |
| LESS THAN $100 | 171 | 5 | 4 | 16 | 22 | 10 | 28 | 29 | 34 | 18 | 6 | 60700 |
| $100 TO $199 | 191 | 3 | 7 | 14 | 19 | 31 | 37 | 31 | 20 | 26 | - | 55300 |
| $200 TO $299 | 185 | 3 | 12 | 20 | 19 | 39 | 29 | 22 | 21 | 14 | 5 | 49500 |
| $300 TO $399 | 187 | 3 | 9 | 17 | 29 | 36 | 29 | 41 | 14 | 8 | - | 49700 |
| $400 TO $499 | 218 | 4 | 17 | 12 | 53 | 34 | 34 | 29 | 23 | 9 | 4 | 46800 |
| $500 TO $599 | 288 | 2 | 17 | 30 | 47 | 45 | 39 | 57 | 27 | 20 | 4 | 50700 |
| $600 TO $699 | 353 | 5 | 5 | 35 | 42 | 73 | 56 | 68 | 45 | 17 | 7 | 52900 |
| $700 TO $799 | 294 | 9 | 17 | 42 | 35 | 59 | 30 | 51 | 39 | 13 | - | 47500 |
| $800 OR MORE | 2 683 | 19 | 56 | 147 | 295 | 410 | 378 | 543 | 449 | 330 | 57 | 61000 |
| MEDIAN | 800+ | 716 | 703 | 750 | 800+ | 800+ | 800+ | 800+ | 800+ | 800+ | 800+ | ... |
| FUELS NOT USED OR FREE | 4 091 | 42 | 223 | 322 | 544 | 640 | 547 | 691 | 594 | 426 | 64 | 55000 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 877 | 50 | 210 | 342 | 604 | 674 | 527 | 622 | 462 | 338 | 48 | 51100 |
| HEAT PUMP | 58 | - | - | 1 | 2 | 6 | - | 6 | 21 | 15 | 6 | 90700 |
| STEAM OR HOT WATER | 3 855 | 10 | 92 | 232 | 395 | 551 | 543 | 803 | 669 | 468 | 91 | 61900 |
| BUILT-IN ELECTRIC UNITS | 348 | 3 | 10 | 14 | 26 | 50 | 66 | 70 | 68 | 41 | 2 | 61300 |
| FLOOR, WALL, OR PIPELESS FURNACE | 70 | 5 | 11 | 18 | 15 | 6 | 6 | 2 | 3 | 3 | - | 30300 |
| ROOM HEATERS WITH FLUE | 77 | 2 | 26 | 15 | 14 | 3 | 11 | 5 | 2 | - | - | 27400 |
| ROOM HEATERS WITHOUT FLUE | 10 | 2 | - | 2 | 2 | 3 | - | 1 | - | - | - | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 366 | 22 | 19 | 32 | 48 | 83 | 54 | 51 | 41 | 16 | - | 47400 |
| NONE | - | - | - | - | - | - | - | - | - | - | - | - |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 94 | 367 | 656 | 1 105 | 1 377 | 1 207 | 1 561 | 1 266 | 880 | 147 | 56100 |
| UNITS OCCUPIED LAST WINTER | 8 348 | 88 | 362 | 638 | 1 062 | 1 326 | 1 154 | 1 533 | 1 208 | 840 | 135 | 56000 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| WITH HEATING EQUIPMENT | 8 348 | 88 | 362 | 638 | 1 062 | 1 326 | 1 154 | 1 533 | 1 208 | 840 | 135 | 56000 |
| NO ROOMS CLOSED | 8 050 | 81 | 338 | 605 | 1 017 | 1 289 | 1 110 | 1 482 | 1 185 | 810 | 134 | 56300 |
| CLOSED CERTAIN ROOMS | 222 | 6 | 20 | 32 | 31 | 30 | 30 | 26 | 18 | 27 | 2 | 47400 |
| LIVING ROOM ONLY | 7 | - | - | 2 | - | 2 | 1 | 2 | - | - | - | ... |
| DINING ROOM ONLY | 3 | - | - | - | - | 1 | 1 | - | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 143 | 6 | 15 | 23 | 23 | 16 | 15 | 17 | 14 | 13 | - | 42400 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 64 | - | 5 | 7 | 8 | 11 | 10 | 4 | 4 | 14 | 2 | 51900 |
| NOT REPORTED | 5 | - | - | - | - | - | 2 | 4 | - | - | - | ... |
| NOT REPORTED | 75 | - | 4 | 1 | 14 | 8 | 14 | 25 | 5 | 4 | - | 57200 |
| NO HEATING EQUIPMENT | - | - | - | - | - | - | - | - | - | - | - | - |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE B-3. VALUE OF OWNER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | LESS THAN $10,000 | $10,000 TO $19,999 | $20,000 TO $29,999 | $30,000 TO $39,999 | $40,000 TO $49,999 | $50,000 TO $59,999 | $60,000 TO $74,999 | $75,000 TO $99,999 | $100,000 TO $199,999 | $200,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED OWNER OCCUPIED[1]--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 7 997 | 70 | 343 | 605 | 1 015 | 1 243 | 1 108 | 1 481 | 1 171 | 826 | 135 | 56500 |
| NO ADDITIONAL HEAT SOURCE USED | 7 316 | 62 | 301 | 525 | 920 | 1 132 | 1 033 | 1 361 | 1 074 | 763 | 125 | 56900 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 577 | 9 | 35 | 73 | 82 | 80 | 57 | 87 | 85 | 59 | 10 | 51800 |
| NOT REPORTED | 104 | - | 7 | 6 | 13 | 32 | 17 | 12 | 12 | 5 | - | 48200 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 350 | 17 | 19 | 33 | 47 | 83 | 46 | 52 | 38 | 14 | - | 47000 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 7 997 | 70 | 343 | 605 | 1 015 | 1 243 | 1 108 | 1 481 | 1 171 | 826 | 135 | 56500 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 6 975 | 45 | 232 | 447 | 848 | 1 060 | 968 | 1 360 | 1 104 | 782 | 129 | 58800 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 925 | 26 | 108 | 153 | 151 | 158 | 120 | 108 | 58 | 39 | 5 | 41600 |
| 1 ROOM | 443 | 12 | 33 | 61 | 69 | 74 | 71 | 73 | 32 | 19 | - | 46400 |
| 2 ROOMS | 203 | 5 | 42 | 31 | 28 | 38 | 17 | 18 | 14 | 9 | 1 | 38300 |
| 3 ROOMS OR MORE | 279 | 8 | 32 | 61 | 55 | 47 | 32 | 16 | 13 | 11 | 4 | 37000 |
| NOT REPORTED | 97 | - | 3 | 5 | 16 | 26 | 19 | 13 | 8 | 5 | 2 | 49400 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 350 | 17 | 19 | 33 | 47 | 83 | 46 | 52 | 38 | 14 | - | 47000 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 7 997 | 70 | 343 | 605 | 1 015 | 1 243 | 1 108 | 1 481 | 1 171 | 826 | 135 | 56500 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 350 | 17 | 19 | 33 | 47 | 83 | 46 | 52 | 38 | 14 | - | 47000 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 272 | 11 | 12 | 28 | 31 | 67 | 41 | 43 | 29 | 11 | - | 48100 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 28 | 1 | 5 | - | 10 | 7 | 2 | 1 | - | 1 | - | ... |
| NOT REPORTED | 50 | 5 | 2 | 5 | 7 | 9 | 3 | 8 | 9 | 2 | - | 46800 |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 94 | 367 | 656 | 1 105 | 1 377 | 1 207 | 1 561 | 1 266 | 880 | 147 | 56100 |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 4 356 | 16 | 110 | 204 | 441 | 606 | 585 | 882 | 821 | 588 | 103 | 63700 |
| ROOM UNITS | 3 449 | 16 | 105 | 196 | 402 | 521 | 509 | 718 | 597 | 344 | 42 | 59500 |
| 1 | 1 729 | 11 | 68 | 115 | 237 | 337 | 260 | 335 | 234 | 121 | 10 | 53700 |
| 2 | 1 093 | 5 | 29 | 66 | 122 | 138 | 159 | 264 | 194 | 99 | 14 | 61400 |
| 3 | 420 | - | 6 | 8 | 35 | 38 | 72 | 76 | 115 | 62 | 8 | 70000 |
| 4 | 137 | - | - | 2 | 7 | 8 | 7 | 33 | 37 | 40 | 3 | 82800 |
| 5 OR MORE | 70 | - | 2 | 2 | - | - | 11 | 9 | 17 | 22 | 7 | 91300 |
| CENTRAL SYSTEM | 907 | - | 6 | 8 | 39 | 85 | 76 | 164 | 224 | 243 | 61 | 83400 |
| WITH NO AIR CONDITIONING | 4 305 | 76 | 257 | 452 | 664 | 771 | 622 | 679 | 445 | 293 | 44 | 49100 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE B-4. GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | LESS THAN $100 | $100 TO $149 | $150 TO $199 | $200 TO $249 | $250 TO $299 | $300 TO $349 | $350 TO $399 | $400 TO $499 | $500 OR MORE | NO CASH RENT | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 368 | 442 | 779 | 1 164 | 1 133 | 1 015 | 623 | 629 | 440 | 239 | 274 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| UTILITY GAS | 2 565 | 122 | 186 | 382 | 457 | 440 | 358 | 221 | 194 | 139 | 65 | 261 |
| BOTTLED, TANK, OR LP GAS | 42 | - | 5 | 11 | 7 | 7 | 6 | 3 | 5 | - | - | 239 |
| FUEL OIL | 3 484 | 180 | 199 | 323 | 595 | 599 | 546 | 331 | 329 | 253 | 129 | 281 |
| KEROSENE, ETC | 23 | - | 3 | 2 | 8 | 6 | - | - | - | - | 4 | ... |
| ELECTRICITY | 610 | 58 | 43 | 43 | 80 | 70 | 100 | 65 | 90 | 39 | 22 | 300 |
| COAL OR COKE | 39 | 3 | 3 | 6 | 11 | 5 | 3 | - | 1 | - | 7 | ... |
| WOOD | 44 | 3 | 1 | 3 | 5 | 7 | 1 | 3 | 10 | 5 | 6 | 307 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 13 | 2 | - | 5 | - | - | - | 2 | - | 5 | - | ... |
| NONE | 12 | - | 2 | 3 | 2 | - | - | - | - | - | 5 | ... |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| ELECTRICITY PAID FOR | 5 208 | 122 | 240 | 516 | 900 | 925 | 873 | 536 | 555 | 390 | 151 | 290 |
| LESS THAN $10 | 131 | 8 | 17 | 25 | 25 | 19 | 18 | 10 | 7 | - | 2 | 227 |
| $10 TO $19 | 1 131 | 50 | 90 | 174 | 229 | 208 | 183 | 89 | 58 | 28 | 23 | 253 |
| $20 TO $29 | 1 435 | 50 | 77 | 164 | 301 | 282 | 237 | 129 | 123 | 45 | 28 | 270 |
| $30 TO $39 | 1 057 | 5 | 28 | 100 | 181 | 232 | 185 | 114 | 104 | 83 | 26 | 293 |
| $40 TO $49 | 553 | 2 | 10 | 31 | 71 | 111 | 85 | 89 | 77 | 48 | 31 | 321 |
| $50 TO $59 | 374 | 5 | 10 | 15 | 45 | 29 | 81 | 51 | 65 | 54 | 20 | 345 |
| $60 TO $79 | 313 | 2 | 9 | 7 | 39 | 35 | 55 | 37 | 57 | 62 | 12 | 356 |
| $80 TO $99 | 80 | - | - | - | 7 | 8 | 13 | 7 | 25 | 16 | 3 | 411 |
| $100 TO $149 | 87 | - | - | - | 2 | 3 | 15 | 9 | 27 | 26 | 5 | 445 |
| $150 OR MORE | 46 | - | - | 1 | - | - | 2 | 2 | 12 | 28 | 2 | 500+ |
| MEDIAN | 28 | 20 | 22 | 23 | 26 | 28 | 29 | 33 | 38 | 47 | 38 | ... |
| INCLUDED IN RENT | 1 609 | 244 | 200 | 259 | 260 | 208 | 141 | 85 | 74 | 51 | 87 | 211 |
| NO ELECTRICITY USED | 16 | 2 | 2 | 3 | 5 | - | 2 | 2 | - | - | 1 | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| GAS PAID FOR | 3 462 | 39 | 181 | 384 | 738 | 680 | 554 | 331 | 269 | 206 | 81 | 275 |
| LESS THAN $10 | 915 | 22 | 70 | 124 | 202 | 169 | 136 | 83 | 50 | 43 | 16 | 259 |
| $10 TO $14 | 458 | 7 | 29 | 37 | 125 | 95 | 110 | 59 | 48 | 39 | 8 | 290 |
| $15 TO $19 | 338 | 2 | 13 | 32 | 79 | 70 | 65 | 29 | 25 | 18 | 5 | 279 |
| $20 TO $24 | 289 | 1 | 5 | 19 | 66 | 72 | 38 | 34 | 33 | 17 | 6 | 285 |
| $25 TO $29 | 206 | 5 | 15 | 27 | 41 | 49 | 34 | 12 | 17 | 2 | 3 | 264 |
| $30 TO $39 | 299 | - | 24 | 52 | 44 | 45 | 45 | 28 | 25 | 17 | 18 | 271 |
| $40 TO $49 | 237 | 2 | 8 | 37 | 51 | 45 | 34 | 24 | 16 | 13 | 7 | 269 |
| $50 TO $69 | 325 | - | 13 | 49 | 80 | 55 | 44 | 33 | 20 | 21 | 9 | 264 |
| $70 TO $99 | 187 | - | 3 | 7 | 38 | 56 | 27 | 18 | 18 | 12 | 8 | 286 |
| $100 OR MORE | 109 | - | - | - | 12 | 24 | 21 | 12 | 17 | 24 | - | 343 |
| MEDIAN | 18 | 10- | 13 | 19 | 17 | 20 | 17 | 18 | 21 | 21 | 31 | ... |
| INCLUDED IN RENT | 2 282 | 254 | 208 | 318 | 309 | 281 | 269 | 188 | 207 | 163 | 86 | 252 |
| NO GAS USED | 1 089 | 75 | 54 | 78 | 117 | 172 | 192 | 104 | 153 | 72 | 73 | 303 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 776 | 6 | 18 | 56 | 100 | 117 | 92 | 87 | 127 | 94 | 79 | 327 |
| LESS THAN $100 | 94 | - | 9 | 5 | 18 | 24 | 12 | 6 | 9 | 7 | 5 | 277 |
| $100 TO $199 | 23 | 1 | - | 6 | 1 | 1 | 2 | 3 | 7 | 2 | - | ... |
| $200 TO $299 | 44 | 3 | 2 | 4 | 3 | 7 | 2 | 2 | 9 | 6 | 7 | 299 |
| $300 TO $399 | 31 | - | 1 | 6 | 7 | 4 | 1 | 3 | 3 | 3 | 2 | ... |
| $400 TO $499 | 69 | - | 2 | 7 | 20 | 7 | 10 | 5 | - | 8 | 5 | 274 |
| $500 TO $599 | 56 | 2 | - | 3 | 11 | 10 | 3 | - | 14 | 3 | 10 | 286 |
| $600 TO $699 | 75 | - | 2 | 9 | 16 | 13 | 9 | 6 | 6 | 3 | 10 | 270 |
| $700 TO $799 | 51 | - | - | 4 | 7 | 10 | 5 | 8 | 7 | 5 | 5 | 325 |
| $800 OR MORE | 333 | - | 3 | 13 | 17 | 41 | 43 | 53 | 72 | 56 | 35 | 380 |
| MEDIAN | 694 | ... | ... | 527 | 511 | 636 | 736 | 800+ | 800+ | 800+ | 719 | ... |
| INCLUDED IN RENT | 3 436 | 207 | 246 | 363 | 592 | 607 | 551 | 310 | 274 | 229 | 57 | 273 |
| FUELS NOT USED OR FREE | 2 621 | 155 | 178 | 360 | 472 | 408 | 373 | 226 | 228 | 117 | 103 | 261 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 1 520 | 54 | 84 | 162 | 234 | 284 | 210 | 168 | 127 | 113 | 84 | 282 |
| HEAT PUMP | 22 | - | 2 | 2 | 7 | 3 | 1 | - | 2 | 5 | - | ... |
| STEAM OR HOT WATER | 4 301 | 242 | 266 | 449 | 744 | 728 | 690 | 384 | 404 | 286 | 107 | 277 |
| BUILT-IN ELECTRIC UNITS | 532 | 58 | 39 | 39 | 64 | 60 | 85 | 59 | 83 | 28 | 18 | 296 |
| FLOOR, WALL, OR PIPELESS FURNACE | 43 | - | 3 | 9 | 10 | 5 | 3 | 3 | 2 | 4 | 3 | 234 |
| ROOM HEATERS WITH FLUE | 268 | 8 | 36 | 87 | 73 | 35 | 12 | 3 | 2 | - | 11 | 197 |
| ROOM HEATERS WITHOUT FLUE | 30 | 2 | 3 | 9 | 7 | 5 | 2 | 2 | - | - | - | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 106 | 3 | 6 | 18 | 23 | 12 | 13 | 4 | 10 | 5 | 11 | 243 |
| NONE | 12 | - | 2 | 3 | 2 | - | - | - | - | - | 5 | ... |
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 368 | 442 | 779 | 1 164 | 1 133 | 1 015 | 623 | 629 | 440 | 239 | 274 |
| UNITS OCCUPIED LAST WINTER | 5 363 | 310 | 394 | 663 | 906 | 890 | 776 | 460 | 472 | 301 | 192 | 267 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| WITH HEATING EQUIPMENT | 5 351 | 310 | 392 | 660 | 904 | 890 | 776 | 460 | 472 | 301 | 186 | 267 |
| NO ROOMS CLOSED | 4 929 | 295 | 351 | 603 | 834 | 817 | 700 | 420 | 450 | 283 | 175 | 268 |
| CLOSED CERTAIN ROOMS | 341 | 11 | 34 | 47 | 66 | 63 | 65 | 19 | 13 | 12 | 10 | 256 |
| LIVING ROOM ONLY | 38 | 2 | 4 | 5 | 9 | 8 | 7 | 2 | 1 | - | - | 243 |
| DINING ROOM ONLY | 5 | - | - | - | 2 | 2 | - | - | - | 2 | - | ... |
| 1 OR MORE BEDROOMS ONLY | 204 | 7 | 21 | 26 | 42 | 37 | 37 | 10 | 8 | 9 | 8 | 253 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 92 | 2 | 8 | 15 | 14 | 16 | 22 | 8 | 4 | 2 | 2 | 269 |
| NOT REPORTED | 2 | - | 2 | - | - | - | - | - | - | - | - | ... |
| NOT REPORTED | 81 | 3 | 7 | 10 | 4 | 10 | 11 | 21 | 9 | 6 | 1 | 327 |
| NO HEATING EQUIPMENT | 12 | - | 2 | 3 | 2 | - | - | - | - | - | 5 | ... |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE B-4. GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | LESS THAN $100 | $100 TO $149 | $150 TO $199 | $200 TO $249 | $250 TO $299 | $300 TO $349 | $350 TO $399 | $400 TO $499 | $500 OR MORE | NO CASH RENT | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED RENTER OCCUPIED[1]--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 5 258 | 305 | 384 | 639 | 883 | 880 | 767 | 455 | 468 | 298 | 180 | 268 |
| NO ADDITIONAL HEAT SOURCE USED | 4 190 | 255 | 302 | 519 | 664 | 701 | 609 | 346 | 384 | 251 | 160 | 269 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 969 | 40 | 77 | 112 | 202 | 170 | 134 | 97 | 76 | 45 | 17 | 263 |
| NOT REPORTED | 99 | 10 | 5 | 8 | 17 | 9 | 24 | 12 | 9 | 2 | 3 | 293 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 105 | 5 | 10 | 24 | 23 | 10 | 10 | 5 | 3 | 4 | 11 | 216 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 5 258 | 305 | 384 | 639 | 883 | 880 | 767 | 455 | 468 | 298 | 180 | 268 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 4 677 | 287 | 333 | 529 | 759 | 799 | 697 | 418 | 427 | 283 | 145 | 272 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 481 | 9 | 50 | 100 | 100 | 74 | 54 | 23 | 27 | 14 | 32 | 232 |
| 1 ROOM | 222 | 3 | 14 | 27 | 50 | 43 | 27 | 12 | 19 | 10 | 17 | 259 |
| 2 ROOMS | 128 | 3 | 22 | 35 | 22 | 13 | 17 | 7 | 2 | 2 | 7 | 203 |
| 3 ROOMS OR MORE | 131 | 2 | 14 | 39 | 28 | 17 | 10 | 4 | 6 | 2 | 8 | 211 |
| NOT REPORTED | 100 | 10 | 2 | 9 | 24 | 7 | 16 | 14 | 14 | 2 | 3 | 278 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 105 | 5 | 10 | 24 | 23 | 10 | 10 | 5 | 3 | 4 | 11 | 216 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 5 258 | 305 | 384 | 639 | 883 | 880 | 767 | 455 | 468 | 298 | 180 | 268 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 105 | 5 | 10 | 24 | 23 | 10 | 10 | 5 | 3 | 4 | 11 | 216 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 63 | 4 | 6 | 18 | 10 | 7 | 8 | 3 | 2 | 4 | 2 | 213 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 33 | 1 | 4 | 4 | 8 | 3 | - | 2 | 2 | - | 9 | ... |
| NOT REPORTED | 9 | - | - | 2 | 5 | - | 1 | - | - | - | 1 | ... |
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 368 | 442 | 779 | 1 164 | 1 133 | 1 015 | 623 | 629 | 440 | 239 | 274 |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 638 | 56 | 93 | 146 | 288 | 437 | 517 | 350 | 351 | 328 | 72 | 325 |
| ROOM UNITS | 2 177 | 47 | 88 | 133 | 272 | 361 | 442 | 281 | 255 | 235 | 63 | 317 |
| 1 | 1 476 | 43 | 76 | 103 | 230 | 269 | 319 | 178 | 124 | 94 | 41 | 298 |
| 2 | 604 | 3 | 10 | 25 | 41 | 84 | 117 | 93 | 117 | 103 | 12 | 359 |
| 3 | 77 | - | - | 3 | - | 5 | 7 | 8 | 14 | 33 | 7 | 485 |
| 4 | 15 | 2 | 2 | 2 | 2 | 3 | - | 2 | - | 3 | - | ... |
| 5 OR MORE | 5 | - | - | - | - | - | - | - | - | 2 | 3 | ... |
| CENTRAL SYSTEM | 461 | 9 | 5 | 13 | 15 | 76 | 75 | 69 | 97 | 93 | 9 | 373 |
| WITH NO AIR CONDITIONING | 4 195 | 312 | 349 | 633 | 877 | 695 | 498 | 273 | 278 | 113 | 167 | 240 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE B-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 10 297 | 3 423 | 900 | 671 | 2 208 | 352 |
| HOUSE HEATING FUEL | | | | | | | |
| OWNER OCCUPIED | 10 946 | 9 281 | 1 076 | 55 | 29 | 194 | 311 |
| UTILITY GAS | 4 759 | 4 132 | 509 | 22 | 9 | 21 | 66 |
| BOTTLED, TANK, OR LP GAS | 90 | 66 | 2 | - | - | 2 | 21 |
| FUEL OIL | 5 000 | 4 148 | 498 | 23 | 9 | 159 | 162 |
| KEROSENE, ETC | 86 | 43 | 2 | - | - | - | 41 |
| ELECTRICITY | 670 | 572 | 59 | 9 | 11 | 10 | 9 |
| COAL OR COKE | 130 | 130 | - | - | - | - | - |
| WOOD | 207 | 188 | 7 | - | - | - | 12 |
| SOLAR HEAT | 1 | 1 | - | - | - | - | - |
| OTHER FUEL | 2 | - | - | - | - | 2 | - |
| NONE | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 6 906 | 1 016 | 2 347 | 845 | 642 | 2 014 | 41 |
| UTILITY GAS | 2 576 | 437 | 1 173 | 334 | 236 | 386 | 9 |
| BOTTLED, TANK, OR LP GAS | 42 | 15 | 15 | 5 | 1 | 4 | 3 |
| FUEL OIL | 3 533 | 416 | 1 004 | 369 | 314 | 1 406 | 24 |
| KEROSENE, ETC | 23 | 11 | 5 | 3 | - | - | 4 |
| ELECTRICITY | 611 | 63 | 128 | 121 | 89 | 207 | 2 |
| COAL OR COKE | 41 | 25 | 10 | 3 | - | 3 | - |
| WOOD | 55 | 48 | 5 | 2 | - | - | - |
| SOLAR HEAT | - | - | - | - | - | - | - |
| OTHER FUEL | 13 | - | 2 | 2 | 2 | 8 | - |
| NONE | 12 | 2 | 5 | 6 | - | - | - |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 8 662 | ... | ... | ... | ... | ... |
| ELECTRICITY PAID FOR | 8 656 | 8 656 | ... | ... | ... | ... | ... |
| LESS THAN $10 | 25 | 25 | ... | ... | ... | ... | ... |
| $10 TO $19 | 434 | 434 | ... | ... | ... | ... | ... |
| $20 TO $29 | 1 300 | 1 300 | ... | ... | ... | ... | ... |
| $30 TO $39 | 1 675 | 1 675 | ... | ... | ... | ... | ... |
| $40 TO $49 | 1 358 | 1 358 | ... | ... | ... | ... | ... |
| $50 TO $59 | 1 220 | 1 220 | ... | ... | ... | ... | ... |
| $60 TO $79 | 1 285 | 1 285 | ... | ... | ... | ... | ... |
| $80 TO $99 | 500 | 500 | ... | ... | ... | ... | ... |
| $100 TO $149 | 649 | 649 | ... | ... | ... | ... | ... |
| $150 OR MORE | 209 | 209 | ... | ... | ... | ... | ... |
| MEDIAN | 46 | 46 | ... | ... | ... | ... | ... |
| NO ELECTRICITY USED | 5 | 5 | ... | ... | ... | ... | ... |
| SPECIFIED RENTER OCCUPIED[2] | 6 833 | 944 | 2 347 | 845 | 642 | 2 014 | 41 |
| ELECTRICITY PAID FOR | 5 208 | 811 | 2 006 | 584 | 501 | 1 271 | 36 |
| LESS THAN $10 | 131 | 18 | 43 | 24 | 14 | 33 | - |
| $10 TO $19 | 1 131 | 87 | 460 | 166 | 146 | 267 | 5 |
| $20 TO $29 | 1 435 | 183 | 595 | 136 | 117 | 399 | 6 |
| $30 TO $39 | 1 057 | 175 | 373 | 111 | 89 | 295 | 15 |
| $40 TO $49 | 553 | 124 | 207 | 68 | 45 | 106 | 3 |
| $50 TO $59 | 374 | 84 | 125 | 32 | 47 | 80 | 6 |
| $60 TO $79 | 313 | 64 | 129 | 27 | 24 | 69 | 1 |
| $80 TO $99 | 80 | 27 | 21 | 14 | 11 | 7 | - |
| $100 TO $149 | 87 | 29 | 38 | 5 | 2 | 12 | 1 |
| $150 OR MORE | 46 | 20 | 16 | - | 7 | 3 | - |
| MEDIAN | 28 | 36 | 28 | 27 | 27 | 28 | 34 |
| INCLUDED IN RENT | 1 609 | 131 | 338 | 259 | 138 | 740 | 4 |
| NO ELECTRICITY USED | 16 | 2 | 3 | 3 | 3 | 3 | 1 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 8 662 | ... | ... | ... | ... | ... |
| GAS PAID FOR | 5 786 | 5 786 | ... | ... | ... | ... | ... |
| LESS THAN $10 | 339 | 339 | ... | ... | ... | ... | ... |
| $10 TO $14 | 371 | 371 | ... | ... | ... | ... | ... |
| $15 TO $19 | 252 | 252 | ... | ... | ... | ... | ... |
| $20 TO $24 | 242 | 242 | ... | ... | ... | ... | ... |
| $25 TO $29 | 281 | 281 | ... | ... | ... | ... | ... |
| $30 TO $39 | 624 | 624 | ... | ... | ... | ... | ... |
| $40 TO $49 | 642 | 642 | ... | ... | ... | ... | ... |
| $50 TO $69 | 1 403 | 1 403 | ... | ... | ... | ... | ... |
| $70 TO $99 | 984 | 984 | ... | ... | ... | ... | ... |
| $100 OR MORE | 646 | 646 | ... | ... | ... | ... | ... |
| MEDIAN | 52 | 52 | ... | ... | ... | ... | ... |
| NO GAS USED | 2 876 | 2 876 | ... | ... | ... | ... | ... |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE B-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 944 | 2 347 | 845 | 642 | 2 014 | 41 |
| GAS PAID FOR | 3 462 | 559 | 1 574 | 349 | 224 | 721 | 34 |
| LESS THAN $10 | 915 | 62 | 282 | 103 | 86 | 375 | 7 |
| $10 TO $14 | 558 | 45 | 196 | 68 | 56 | 184 | 9 |
| $15 TO $19 | 338 | 25 | 169 | 41 | 30 | 73 | 1 |
| $20 TO $24 | 289 | 43 | 144 | 30 | 13 | 55 | 4 |
| $25 TO $29 | 206 | 30 | 128 | 27 | 4 | 14 | 2 |
| $30 TO $39 | 299 | 78 | 169 | 29 | 13 | 9 | 2 |
| $40 TO $49 | 237 | 84 | 129 | 14 | 3 | 6 | - |
| $50 TO $69 | 325 | 111 | 180 | 19 | 9 | 2 | 4 |
| $70 TO $99 | 187 | 61 | 104 | 8 | 7 | 2 | 4 |
| $100 OR MORE | 109 | 21 | 73 | 8 | 3 | 2 | 1 |
| MEDIAN | 18 | 39 | 24 | 15 | 12 | 10- | ... |
| INCLUDED IN RENT | 2 282 | 152 | 479 | 352 | 289 | 1 009 | 1 |
| NO GAS USED | 1 089 | 232 | 294 | 144 | 129 | 284 | 6 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 8 662 | 8 662 | ... | ... | ... | ... | ... |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 4 570 | 4 570 | ... | ... | ... | ... | ... |
| LESS THAN $100 | 171 | 171 | ... | ... | ... | ... | ... |
| $100 TO $199 | 191 | 191 | ... | ... | ... | ... | ... |
| $200 TO $299 | 185 | 185 | ... | ... | ... | ... | ... |
| $300 TO $399 | 187 | 187 | ... | ... | ... | ... | ... |
| $400 TO $499 | 218 | 218 | ... | ... | ... | ... | ... |
| $500 TO $599 | 288 | 288 | ... | ... | ... | ... | ... |
| $600 TO $699 | 353 | 353 | ... | ... | ... | ... | ... |
| $700 TO $799 | 294 | 294 | ... | ... | ... | ... | ... |
| $800 OR MORE | 2 683 | 2 683 | ... | ... | ... | ... | ... |
| MEDIAN | 800+ | 800+ | ... | ... | ... | ... | ... |
| FUELS NOT USED OR FREE | 4 091 | 4 091 | ... | ... | ... | ... | ... |
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 944 | 2 347 | 845 | 642 | 2 014 | 41 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 776 | 376 | 280 | 18 | 8 | 69 | 23 |
| LESS THAN $100 | 94 | 22 | 3 | 5 | 3 | 59 | 1 |
| $100 TO $199 | 23 | 7 | 5 | - | 3 | 8 | - |
| $200 TO $299 | 44 | 31 | 10 | 2 | - | - | 2 |
| $300 TO $399 | 31 | 14 | 9 | - | - | 2 | 5 |
| $400 TO $499 | 69 | 34 | 28 | 3 | - | - | 4 |
| $500 TO $599 | 56 | 36 | 12 | - | 2 | - | 6 |
| $600 TO $699 | 75 | 44 | 26 | 3 | - | - | 3 |
| $700 TO $799 | 51 | 28 | 20 | 3 | - | - | - |
| $800 OR MORE | 333 | 163 | 167 | 2 | - | - | 2 |
| MEDIAN | 694 | 706 | 800+ | ... | ... | 100- | ... |
| INCLUDED IN RENT | 3 436 | 117 | 999 | 436 | 357 | 1 525 | 3 |
| FUELS NOT USED OR FREE | 2 621 | 448 | 1 067 | 391 | 277 | 421 | 16 |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 10 297 | 3 423 | 900 | 671 | 2 208 | 352 |
| HEATING EQUIPMENT | | | | | | | |
| OWNER OCCUPIED | 10 946 | 9 281 | 1 076 | 55 | 29 | 194 | 311 |
| WARM-AIR FURNACE | 4 709 | 4 120 | 250 | 14 | 7 | 47 | 271 |
| HEAT PUMP | 70 | 66 | 2 | - | - | - | 2 |
| STEAM OR HOT WATER | 4 966 | 4 065 | 721 | 26 | 11 | 137 | 6 |
| BUILT-IN ELECTRIC UNITS | 479 | 398 | 48 | 9 | 11 | 10 | 3 |
| FLOOR, WALL, OR PIPELESS FURNACE | 88 | 83 | 4 | - | - | - | 2 |
| ROOM HEATERS WITH FLUE | 135 | 94 | 25 | 4 | - | - | 11 |
| ROOM HEATERS WITHOUT FLUE | 12 | 10 | 2 | - | - | - | - |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 487 | 445 | 25 | 1 | - | - | 16 |
| NONE | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 6 906 | 1 016 | 2 347 | 845 | 642 | 2 014 | 41 |
| WARM-AIR FURNACE | 1 544 | 434 | 582 | 156 | 112 | 222 | 38 |
| HEAT PUMP | 22 | 3 | 2 | 5 | - | 12 | - |
| STEAM OR HOT WATER | 4 319 | 375 | 1 395 | 523 | 441 | 1 585 | - |
| BUILT-IN ELECTRIC UNITS | 533 | 51 | 117 | 104 | 72 | 189 | - |
| FLOOR, WALL, OR PIPELESS FURNACE | 44 | 26 | 14 | 2 | - | - | 2 |
| ROOM HEATERS WITH FLUE | 271 | 40 | 175 | 36 | 12 | 7 | - |
| ROOM HEATERS WITHOUT FLUE | 33 | 9 | 17 | 7 | - | - | - |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 128 | 77 | 37 | 7 | 5 | - | 2 |
| NONE | 12 | 2 | 5 | 6 | - | - | - |

[1]EXCLUDES 1-UNIT STRUCTUPES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE 8-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 10 297 | 3 423 | 900 | 671 | 2 208 | 352 |
| UNITS OCCUPIED LAST WINTER | 15 914 | 9 732 | 2 907 | 691 | 476 | 1 832 | 277 |
| INSUFFICIENT HEAT | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | |
| OWNER OCCUPIED | 10 497 | 8 947 | 1 047 | 47 | 26 | 179 | 251 |
| WITH HEATING EQUIPMENT | 10 497 | 8 947 | 1 047 | 47 | 26 | 179 | 251 |
| NO ROOMS CLOSED | 10 123 | 8 604 | 1 023 | 47 | 24 | 174 | 250 |
| CLOSED CERTAIN ROOMS | 280 | 260 | 15 | - | - | 4 | 1 |
| LIVING ROOM ONLY | 10 | 8 | 2 | - | - | - | - |
| DINING ROOM ONLY | 4 | 4 | - | - | - | - | - |
| 1 OR MORE BEDROOMS ONLY | 178 | 167 | 8 | - | - | 2 | 1 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 81 | 73 | 6 | - | - | 2 | - |
| NOT REPORTED | 7 | 7 | - | - | - | - | - |
| NOT REPORTED | 94 | 83 | 9 | - | 1 | 2 | - |
| NO HEATING EQUIPMENT | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 5 418 | 785 | 1 860 | 644 | 451 | 1 652 | 26 |
| WITH HEATING EQUIPMENT | 5 405 | 783 | 1 855 | 638 | 451 | 1 652 | 26 |
| NO ROOMS CLOSED | 4 977 | 722 | 1 683 | 592 | 412 | 1 543 | 25 |
| CLOSED CERTAIN ROOMS | 347 | 54 | 152 | 41 | 23 | 78 | - |
| LIVING ROOM ONLY | 38 | - | 19 | 5 | 5 | 9 | - |
| DINING ROOM ONLY | 5 | - | 2 | - | 2 | 2 | - |
| 1 OR MORE BEDROOMS ONLY | 207 | 42 | 69 | 24 | 8 | 64 | - |
| OTHER ROOMS OR COMBINATION OF ROOMS | 94 | 11 | 62 | 10 | 8 | 3 | - |
| NOT REPORTED | 3 | 2 | - | 2 | - | - | - |
| NOT REPORTED | 81 | 7 | 20 | 5 | 16 | 32 | 1 |
| NO HEATING EQUIPMENT | 12 | 2 | 5 | 6 | - | - | - |
| ADDITIONAL HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 10 497 | 8 947 | 1 047 | 47 | 26 | 179 | 251 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 8 521 | 1 021 | 46 | 26 | 179 | 238 |
| NO ADDITIONAL HEAT SOURCE USED | 9 169 | 7 796 | 936 | 46 | 26 | 149 | 218 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 742 | 615 | 78 | - | - | 29 | 21 |
| NOT REPORTED | 120 | 111 | 7 | - | - | 2 | - |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 426 | 27 | 1 | - | - | 13 |
| RENTER OCCUPIED | 5 418 | 785 | 1 860 | 644 | 451 | 1 652 | 26 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 727 | 1 819 | 626 | 447 | 1 652 | 25 |
| NO ADDITIONAL HEAT SOURCE USED | 4 228 | 628 | 1 512 | 495 | 344 | 1 226 | 22 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 969 | 86 | 275 | 120 | 95 | 392 | 1 |
| NOT REPORTED | 99 | 12 | 32 | 11 | 9 | 34 | 2 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 58 | 41 | 17 | 3 | - | 2 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 10 497 | 8 947 | 1 047 | 47 | 26 | 179 | 251 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 8 521 | 1 021 | 46 | 26 | 179 | 238 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 8 731 | 7 355 | 907 | 44 | 26 | 170 | 231 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 186 | 1 066 | 102 | 2 | - | 8 | 8 |
| 1 ROOM | 531 | 471 | 48 | - | - | 8 | 4 |
| 2 ROOMS | 271 | 245 | 22 | 2 | - | - | 2 |
| 3 ROOMS OR MORE | 385 | 350 | 33 | - | - | - | 2 |
| NOT REPORTED | 113 | 100 | 11 | - | - | 2 | - |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 426 | 27 | 1 | - | - | 13 |
| RENTER OCCUPIED | 5 418 | 785 | 1 860 | 644 | 451 | 1 652 | 26 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 727 | 1 819 | 626 | 447 | 1 652 | 25 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 4 707 | 591 | 1 533 | 566 | 422 | 1 572 | 23 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 489 | 125 | 253 | 50 | 16 | 44 | - |
| 1 ROOM | 228 | 45 | 113 | 22 | 15 | 34 | - |
| 2 ROOMS | 128 | 36 | 61 | 21 | 2 | 9 | - |
| 3 ROOMS OR MORE | 133 | 44 | 80 | 8 | - | 2 | - |
| NOT REPORTED | 100 | 11 | 33 | 10 | 9 | 36 | 2 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 58 | 41 | 17 | 3 | - | 2 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE B-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | |
| OWNER OCCUPIED | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 497 | 8 947 | 1 047 | 47 | 26 | 179 | 251 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 10 030 | 8 521 | 1 021 | 46 | 26 | 179 | 238 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 466 | 426 | 27 | 1 | - | - | 13 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 355 | 327 | 19 | - | - | - | 9 |
| NOT REPORTED | 40 | 33 | 5 | - | - | - | 2 |
| RENTER OCCUPIED | 72 | 66 | 2 | 1 | - | - | 2 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 418 | 785 | 1 860 | 644 | 451 | 1 652 | 26 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 5 296 | 727 | 1 819 | 626 | 447 | 1 652 | 25 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 122 | 58 | 41 | 17 | 3 | - | 2 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 75 | 41 | 31 | 3 | - | - | - |
| NOT REPORTED | 36 | 12 | 8 | 14 | - | - | 2 |
| ALL OCCUPIED HOUSING UNITS | 11 | 6 | 2 | - | 3 | - | - |
| | 17 652 | 10 297 | 3 423 | 900 | 671 | 2 208 | 352 |
| AIR CONDITIONING | | | | | | | |
| OWNER OCCUPIED | | | | | | | |
| WITH AIR CONDITIONING | 10 946 | 9 281 | 1 076 | 55 | 29 | 194 | 311 |
| ROOM UNITS | 5 469 | 4 585 | 576 | 32 | 24 | 154 | 98 |
| 1 | 4 354 | 3 597 | 537 | 23 | 15 | 113 | 70 |
| 2 | 2 196 | 1 806 | 262 | 12 | 10 | 49 | 56 |
| 3 | 1 381 | 1 129 | 199 | 4 | - | 37 | 13 |
| 4 | 521 | 444 | 50 | 7 | 5 | 16 | - |
| 5 OR MORE | 168 | 143 | 17 | - | - | 8 | - |
| CENTRAL SYSTEM | 89 | 76 | 9 | - | - | 4 | - |
| WITH NO AIR CONDITIONING | 1 115 | 988 | 39 | 10 | 9 | 41 | 28 |
| RENTER OCCUPIED | 5 477 | 4 695 | 500 | 23 | 6 | 40 | 213 |
| WITH AIR CONDITIONING | 6 906 | 1 016 | 2 347 | 845 | 642 | 2 014 | 41 |
| ROOM UNITS | 2 650 | 269 | 796 | 274 | 334 | 964 | 12 |
| 1 | 2 185 | 229 | 716 | 226 | 255 | 749 | 10 |
| 2 | 1 481 | 151 | 482 | 187 | 191 | 463 | 6 |
| 3 | 608 | 69 | 203 | 36 | 61 | 235 | 4 |
| 4 | 77 | 5 | 24 | 2 | 3 | 42 | - |
| 5 OR MORE | 15 | - | 5 | - | - | 10 | - |
| CENTRAL SYSTEM | 5 | 3 | 2 | - | - | - | - |
| WITH NO AIR CONDITIONING | 465 | 40 | 80 | 49 | 80 | 215 | 1 |
| | 4 256 | 747 | 1 550 | 571 | 308 | 1 050 | 30 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE B-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 17 852 | 315 | 530 | 2 141 | 3 120 | 3 568 | 3 593 | 4 584 | 5.3 |
| HOUSE HEATING FUEL | | | | | | | | | |
| OWNER OCCUPIED | 10 946 | 27 | 72 | 244 | 1 071 | 2 275 | 2 995 | 4 261 | 6.1 |
| UTILITY GAS | 4 759 | 13 | 23 | 65 | 384 | 943 | 1 402 | 1 929 | 6.2 |
| BOTTLED, TANK, OR LP GAS | 90 | - | 3 | 14 | 21 | 12 | 19 | 21 | 5.1 |
| FUEL OIL | 5 000 | 10 | 32 | 123 | 503 | 1 058 | 1 351 | 1 924 | 6.1 |
| KEROSENE, ETC | 86 | - | - | 12 | 21 | 20 | 19 | 14 | 5.0 |
| ELECTRICITY | 670 | - | 2 | 21 | 89 | 172 | 126 | 262 | 5.9 |
| COAL OR COKE | 130 | 1 | 2 | - | 13 | 23 | 40 | 51 | 6.1 |
| WOOD | 207 | 3 | 8 | 10 | 40 | 45 | 39 | 60 | 5.4 |
| SOLAR HEAT | 1 | - | - | - | - | 1 | - | - | ... |
| OTHER FUEL | 2 | - | 2 | - | - | - | - | - | ... |
| NONE | - | - | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 6 906 | 286 | 458 | 1 897 | 2 049 | 1 293 | 598 | 323 | 3.9 |
| UTILITY GAS | 2 576 | 74 | 114 | 580 | 803 | 580 | 300 | 124 | 4.1 |
| BOTTLED, TANK, OR LP GAS | 42 | 2 | 2 | 13 | 12 | 10 | 2 | 2 | 3.9 |
| FUEL OIL | 3 533 | 184 | 261 | 1 069 | 1 010 | 595 | 255 | 159 | 3.8 |
| KEROSENE, ETC | 23 | - | - | 4 | 4 | 7 | 5 | 3 | ... |
| ELECTRICITY | 611 | 22 | 80 | 211 | 190 | 76 | 18 | 15 | 3.5 |
| COAL OR COKE | 41 | 3 | - | 3 | 7 | 18 | 7 | 3 | 4.9 |
| WOOD | 55 | 1 | - | 5 | 17 | 5 | 8 | 19 | 5.4 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 13 | 2 | 2 | 5 | 3 | 2 | - | - | ... |
| NONE | 12 | - | - | 7 | 2 | 2 | 2 | - | ... |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 18 | 28 | 60 | 537 | 1 662 | 2 567 | 3 789 | 6.3 |
| ELECTRICITY PAID FOR | 8 656 | 18 | 28 | 60 | 535 | 1 661 | 2 566 | 3 789 | 6.3 |
| LESS THAN $10 | 25 | 2 | - | - | 1 | 5 | 7 | 10 | ... |
| $10 TO $19 | 434 | - | 4 | 11 | 57 | 107 | 147 | 109 | 5.8 |
| $20 TO $29 | 1 300 | - | 6 | 10 | 138 | 339 | 425 | 383 | 5.9 |
| $30 TO $39 | 1 675 | 5 | 7 | 8 | 147 | 381 | 535 | 592 | 6.0 |
| $40 TO $49 | 1 358 | 6 | 7 | 13 | 76 | 273 | 388 | 595 | 6.3 |
| $50 TO $59 | 1 220 | 3 | - | 9 | 47 | 209 | 373 | 580 | 6.4 |
| $60 TO $79 | 1 285 | 2 | 3 | 3 | 38 | 184 | 376 | 680 | 6.5+ |
| $80 TO $99 | 500 | - | 1 | 5 | 9 | 57 | 136 | 291 | 6.5+ |
| $100 TO $149 | 649 | 1 | - | - | 16 | 83 | 150 | 399 | 6.5+ |
| $150 OR MORE | 209 | - | - | 2 | 7 | 22 | 29 | 150 | 6.5+ |
| MEDIAN | 46 | ... | ... | 41 | 34 | 39 | 44 | 53 | ... |
| NO ELECTRICITY USED | 5 | - | - | - | 2 | 2 | 2 | - | ... |
| SPECIFIED RENTER OCCUPIED[2] | 6 833 | 288 | 458 | 1 897 | 2 041 | 1 280 | 582 | 288 | 3.9 |
| ELECTRICITY PAID FOR | 5 208 | 101 | 242 | 1 382 | 1 648 | 1 072 | 511 | 252 | 4.0 |
| LESS THAN $10 | 131 | 5 | 11 | 57 | 29 | 24 | 5 | 2 | 3.4 |
| $10 TO $19 | 1 131 | 34 | 60 | 406 | 348 | 206 | 55 | 22 | 3.7 |
| $20 TO $29 | 1 435 | 31 | 65 | 434 | 468 | 280 | 113 | 44 | 3.9 |
| $30 TO $39 | 1 057 | 18 | 56 | 226 | 338 | 231 | 141 | 48 | 4.2 |
| $40 TO $49 | 553 | 7 | 14 | 114 | 177 | 125 | 74 | 43 | 4.3 |
| $50 TO $59 | 374 | 3 | 13 | 77 | 112 | 99 | 42 | 27 | 4.3 |
| $60 TO $79 | 313 | - | 17 | 49 | 119 | 56 | 47 | 25 | 4.3 |
| $80 TO $99 | 80 | - | 4 | 8 | 20 | 22 | 11 | 15 | 4.8 |
| $100 TO $149 | 87 | 2 | 3 | 7 | 30 | 18 | 8 | 19 | 4.6 |
| $150 OR MORE | 46 | - | - | 5 | 7 | 11 | 15 | 8 | 5.5 |
| MEDIAN | 28 | 23 | 27 | 25 | 29 | 31 | 35 | 42 | ... |
| INCLUDED IN RENT | 1 609 | 187 | 211 | 507 | 391 | 208 | 71 | 34 | 3.3 |
| NO ELECTRICITY USED | 16 | - | 4 | 8 | 1 | - | - | 2 | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 18 | 28 | 60 | 537 | 1 662 | 2 567 | 3 789 | 6.3 |
| GAS PAID FOR | 5 786 | 9 | 25 | 40 | 317 | 1 040 | 1 808 | 2 547 | 6.3 |
| LESS THAN $10 | 339 | - | 2 | 8 | 27 | 66 | 114 | 123 | 6.1 |
| $10 TO $14 | 371 | 1 | 2 | 2 | 45 | 71 | 111 | 141 | 6.1 |
| $15 TO $19 | 252 | - | - | 5 | 15 | 49 | 97 | 85 | 6.1 |
| $20 TO $24 | 242 | - | 4 | 2 | 14 | 46 | 69 | 107 | 6.3 |
| $25 TO $29 | 281 | 2 | 2 | 4 | 22 | 41 | 103 | 107 | 6.2 |
| $30 TO $39 | 624 | 2 | 2 | 4 | 29 | 138 | 225 | 224 | 6.1 |
| $40 TO $49 | 642 | - | 4 | 4 | 52 | 167 | 197 | 219 | 6.0 |
| $50 TO $69 | 1 403 | 4 | - | 7 | 67 | 267 | 472 | 585 | 6.3 |
| $70 TO $99 | 984 | - | 8 | 2 | 32 | 133 | 290 | 519 | 6.5+ |
| $100 OR MORE | 646 | - | 2 | 3 | 14 | 61 | 130 | 437 | 6.5+ |
| MEDIAN | 52 | ... | ... | 29 | 41 | 46 | 48 | 59 | ... |
| NO GAS USED | 2 876 | 9 | 3 | 20 | 220 | 623 | 759 | 1 242 | 6.2 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE B-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 288 | 458 | 1 897 | 2 041 | 1 280 | 582 | 288 | 3.9 |
| GAS PAID FOR | 3 462 | 65 | 136 | 835 | 1 047 | 793 | 405 | 183 | 4.2 |
| LESS THAN $10 | 915 | 48 | 77 | 370 | 239 | 119 | 38 | 24 | 3.4 |
| $10 TO $14 | 558 | 7 | 31 | 159 | 192 | 108 | 42 | 19 | 3.9 |
| $15 TO $19 | 338 | 5 | 14 | 85 | 119 | 85 | 23 | 7 | 4.0 |
| $20 TO $24 | 289 | 3 | - | 70 | 97 | 57 | 46 | 16 | 4.2 |
| $25 TO $29 | 206 | - | 5 | 29 | 79 | 53 | 22 | 17 | 4.4 |
| $30 TO $39 | 299 | - | 3 | 41 | 86 | 86 | 61 | 21 | 4.7 |
| $40 TO $49 | 237 | - | 2 | 22 | 73 | 79 | 51 | 11 | 4.8 |
| $50 TO $69 | 325 | 2 | - | 28 | 96 | 114 | 57 | 28 | 4.8 |
| $70 TO $99 | 187 | - | 2 | 19 | 49 | 57 | 38 | 21 | 4.9 |
| $100 OR MORE | 109 | - | 2 | 12 | 16 | 35 | 26 | 18 | 5.2 |
| MEDIAN | 18 | 10- | 10- | 11 | 18 | 27 | 35 | 33 | ... |
| INCLUDED IN RENT | 2 282 | 185 | 209 | 744 | 688 | 314 | 104 | 38 | 3.5 |
| NO GAS USED | 1 089 | 39 | 114 | 318 | 306 | 173 | 74 | 67 | 3.7 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 8 662 | 18 | 28 | 60 | 537 | 1 662 | 2 567 | 3 789 | 6.3 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 4 570 | 10 | 14 | 40 | 314 | 873 | 1 318 | 2 002 | 6.3 |
| LESS THAN $100 | 171 | - | 4 | 2 | 14 | 22 | 33 | 96 | 6.5+ |
| $100 TO $199 | 191 | - | - | - | 11 | 42 | 61 | 78 | 6.2 |
| $200 TO $299 | 185 | 4 | 2 | 2 | 15 | 48 | 41 | 74 | 6.0 |
| $300 TO $399 | 187 | - | - | 5 | 18 | 45 | 56 | 64 | 6.0 |
| $400 TO $499 | 218 | -2 | - | 5 | 27 | 55 | 70 | 58 | 5.8 |
| $500 TO $599 | 288 | - | 2 | 5 | 28 | 74 | 94 | 86 | 5.9 |
| $600 TO $699 | 353 | - | 2 | 4 | 43 | 82 | 95 | 126 | 6.0 |
| $700 TO $799 | 294 | - | 2 | 7 | 39 | 64 | 87 | 95 | 5.9 |
| $800 OR MORE | 2 683 | 4 | 3 | 10 | 119 | 442 | 780 | 1 325 | 6.5 |
| MEDIAN | 800+ | ... | ... | 632 | 704 | 800+ | 800+ | 800+ | ... |
| FUELS NOT USED OR FREE | 4 091 | 8 | 14 | 20 | 224 | 790 | 1 249 | 1 787 | 6.3 |
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 288 | 458 | 1 897 | 2 041 | 1 280 | 582 | 288 | 3.9 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 776 | 13 | 12 | 83 | 156 | 232 | 162 | 118 | 5.0 |
| LESS THAN $100 | 94 | 10 | 5 | 39 | 13 | 14 | 9 | 4 | 3.3 |
| $100 TO $199 | 23 | 3 | 3 | 6 | 6 | 4 | 1 | - | ... |
| $200 TO $299 | 44 | - | 2 | 2 | 11 | 9 | 7 | 13 | 5.3 |
| $300 TO $399 | 31 | - | - | 3 | 5 | 14 | 5 | 4 | ... |
| $400 TO $499 | 69 | - | - | 5 | 22 | 15 | 18 | 10 | 5.0 |
| $500 TO $599 | 56 | - | 1 | 3 | 22 | 11 | 7 | 13 | 4.7 |
| $600 TO $699 | 75 | - | 1 | 4 | 18 | 29 | 15 | 8 | 5.0 |
| $700 TO $799 | 51 | - | - | 7 | 12 | 15 | 14 | 3 | 4.9 |
| $800 OR MORE | 333 | - | - | 15 | 49 | 121 | 86 | 63 | 5.3 |
| MEDIAN | 694 | ... | ... | 153 | 602 | 800+ | 800+ | 800+ | ... |
| INCLUDED IN RENT | 3 436 | 204 | 296 | 1 186 | 1 044 | 491 | 175 | 40 | 3.5 |
| FUELS NOT USED OR FREE | 2 621 | 71 | 150 | 627 | 841 | 557 | 245 | 130 | 4.0 |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 315 | 530 | 2 141 | 3 120 | 3 568 | 3 593 | 4 584 | 5.3 |
| HEATING EQUIPMENT | | | | | | | | | |
| OWNER OCCUPIED | 10 946 | 27 | 72 | 244 | 1 071 | 2 275 | 2 995 | 4 261 | 6.1 |
| WARM-AIR FURNACE | 4 709 | 10 | 28 | 94 | 491 | 1 048 | 1 288 | 1 749 | 6.0 |
| HEAT PUMP | 70 | - | - | 1 | 2 | 9 | 10 | 48 | 6.5+ |
| STEAM OR HOT WATER | 4 966 | 10 | 27 | 107 | 393 | 909 | 1 443 | 2 076 | 6.2 |
| BUILT-IN ELECTRIC UNITS | 479 | - | 2 | 17 | 71 | 143 | 88 | 159 | 5.6 |
| FLOOR, WALL, OR PIPELESS FURNACE | 88 | - | - | - | 12 | 19 | 33 | 24 | 5.9 |
| ROOM HEATERS WITH FLUE | 135 | - | 3 | 9 | 28 | 28 | 30 | 36 | 5.4 |
| ROOM HEATERS WITHOUT FLUE | 12 | - | - | - | 1 | 4 | 4 | 3 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 487 | 7 | 12 | 15 | 73 | 115 | 99 | 165 | 5.7 |
| NONE | - | - | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 6 906 | 288 | 458 | 1 897 | 2 049 | 1 293 | 598 | 323 | 3.9 |
| WARM-AIR FURNACE | 1 544 | 37 | 67 | 322 | 431 | 380 | 205 | 101 | 4.3 |
| HEAT PUMP | 22 | - | - | 9 | 6 | 4 | 2 | 1 | ... |
| STEAM OR HOT WATER | 4 319 | 225 | 298 | 1 300 | 1 309 | 712 | 314 | 160 | 3.8 |
| BUILT-IN ELECTRIC UNITS | 533 | 20 | 78 | 189 | 160 | 63 | 12 | 11 | 3.4 |
| FLOOR, WALL, OR PIPELESS FURNACE | 44 | - | - | 5 | 9 | 11 | 14 | 5 | 5.2 |
| ROOM HEATERS WITH FLUE | 271 | 3 | 12 | 53 | 84 | 78 | 32 | 8 | 4.3 |
| ROOM HEATERS WITHOUT FLUE | 33 | - | 2 | 5 | 6 | 13 | 3 | 3 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 128 | 3 | 2 | 7 | 40 | 30 | 14 | 33 | 4.9 |
| NONE | 12 | - | - | 7 | 2 | 2 | 2 | - | ... |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE B-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 17 852 | 315 | 530 | 2 141 | 3 120 | 3 568 | 3 593 | 4 584 | 5.3 |
| UNITS OCCUPIED LAST WINTER | 15 914 | 228 | 413 | 1 682 | 2 625 | 3 250 | 3 373 | 4 344 | 5.4 |
| INSUFFICIENT HEAT | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | |
| OWNER OCCUPIED | 10 497 | 25 | 65 | 216 | 997 | 2 182 | 2 904 | 4 108 | 6.1 |
| WITH HEATING EQUIPMENT | 10 497 | 25 | 65 | 216 | 997 | 2 182 | 2 904 | 4 108 | 6.1 |
| NO ROOMS CLOSED | 10 123 | 25 | 63 | 210 | 970 | 2 108 | 2 798 | 3 948 | 6.1 |
| CLOSED CERTAIN ROOMS | 280 | - | 2 | 4 | 22 | 49 | 74 | 129 | 6.3 |
| LIVING ROOM ONLY | 10 | - | - | - | 2 | 4 | - | 4 | ... |
| DINING ROOM ONLY | 4 | - | - | - | - | 1 | 1 | 2 | ... |
| 1 OR MORE BEDROOMS ONLY | 178 | - | 2 | - | 18 | 32 | 52 | 75 | 6.2 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 81 | - | - | 4 | 3 | 10 | 20 | 43 | 6.5+ |
| NOT REPORTED | 7 | - | - | - | - | 2 | - | 5 | ... |
| NOT REPORTED | 94 | - | - | 2 | 5 | 25 | 32 | 31 | 6.0 |
| NO HEATING EQUIPMENT | - | - | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 5 418 | 202 | 348 | 1 466 | 1 628 | 1 068 | 469 | 236 | 3.9 |
| WITH HEATING EQUIPMENT | 5 405 | 202 | 348 | 1 459 | 1 626 | 1 066 | 467 | 236 | 3.9 |
| NO ROOMS CLOSED | 4 977 | 199 | 335 | 1 380 | 1 487 | 949 | 420 | 206 | 3.9 |
| CLOSED CERTAIN ROOMS | 347 | 2 | 8 | 57 | 108 | 105 | 40 | 29 | 4.5 |
| LIVING ROOM ONLY | 38 | - | 4 | 14 | 11 | 10 | - | - | 3.6 |
| DINING ROOM ONLY | 5 | - | - | 3 | - | - | - | 2 | ... |
| 1 OR MORE BEDROOMS ONLY | 207 | - | 4 | 30 | 64 | 63 | 29 | 17 | 4.6 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 94 | 2 | 1 | 10 | 31 | 32 | 11 | 8 | 4.6 |
| NOT REPORTED | 3 | - | - | - | 2 | - | - | 2 | ... |
| NOT REPORTED | 81 | 2 | 5 | 22 | 31 | 12 | 7 | 2 | 3.9 |
| NO HEATING EQUIPMENT | 12 | - | - | 7 | 2 | 2 | 2 | - | ... |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | |
| OWNER OCCUPIED | 10 497 | 25 | 65 | 216 | 997 | 2 182 | 2 904 | 4 108 | 6.1 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 21 | 55 | 205 | 927 | 2 072 | 2 806 | 3 945 | 6.1 |
| NO ADDITIONAL HEAT SOURCE USED | 9 169 | 16 | 49 | 192 | 861 | 1 898 | 2 590 | 3 563 | 6.1 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 742 | 3 | 3 | 14 | 57 | 138 | 186 | 341 | 6.3 |
| NOT REPORTED | 120 | 1 | 2 | - | 9 | 36 | 30 | 42 | 5.9 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 5 | 10 | 10 | 70 | 110 | 98 | 163 | 5.8 |
| RENTER OCCUPIED | 5 418 | 202 | 348 | 1 466 | 1 628 | 1 068 | 469 | 236 | 3.9 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 199 | 347 | 1 454 | 1 594 | 1 034 | 455 | 213 | 3.9 |
| NO ADDITIONAL HEAT SOURCE USED | 4 228 | 146 | 286 | 1 141 | 1 289 | 806 | 388 | 172 | 3.9 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 969 | 49 | 55 | 284 | 285 | 206 | 55 | 36 | 3.8 |
| NOT REPORTED | 99 | 4 | 7 | 28 | 20 | 22 | 12 | 5 | 4.0 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 3 | 2 | 12 | 34 | 33 | 14 | 23 | 4.8 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | |
| OWNER OCCUPIED | 10 497 | 25 | 65 | 216 | 997 | 2 182 | 2 904 | 4 108 | 6.1 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 21 | 55 | 205 | 927 | 2 072 | 2 806 | 3 945 | 6.1 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 8 731 | 19 | 44 | 199 | 833 | 1 835 | 2 443 | 3 357 | 6.1 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 186 | 1 | 8 | 6 | 87 | 201 | 331 | 553 | 6.4 |
| 1 ROOM | 531 | 1 | 3 | 5 | 36 | 99 | 166 | 221 | 6.2 |
| 2 ROOMS | 271 | - | 5 | - | 34 | 49 | 59 | 124 | 6.3 |
| 3 ROOMS OR MORE | 385 | - | - | 1 | 17 | 53 | 105 | 208 | 6.5+ |
| NOT REPORTED | 113 | - | 2 | - | 8 | 36 | 32 | 35 | 5.8 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 5 | 10 | 10 | 70 | 110 | 98 | 163 | 5.8 |
| RENTER OCCUPIED | 5 418 | 202 | 348 | 1 466 | 1 628 | 1 068 | 469 | 236 | 3.9 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 199 | 347 | 1 454 | 1 594 | 1 034 | 455 | 213 | 3.9 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 4 707 | 195 | 323 | 1 361 | 1 448 | 867 | 347 | 166 | 3.8 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 489 | - | 12 | 65 | 127 | 148 | 97 | 39 | 4.8 |
| 1 ROOM | 228 | - | 5 | 44 | 65 | 61 | 37 | 15 | 4.5 |
| 2 ROOMS | 128 | - | 7 | 13 | 39 | 37 | 21 | 12 | 4.6 |
| 3 ROOMS OR MORE | 133 | - | - | 8 | 23 | 50 | 39 | 13 | 5.2 |
| NOT REPORTED | 100 | 4 | 12 | 28 | 19 | 19 | 10 | 7 | 3.8 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 3 | 2 | 12 | 34 | 33 | 14 | 23 | 4.8 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE B-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | |
| OWNER OCCUPIED | 10 497 | 25 | 65 | 216 | 997 | 2 182 | 2 904 | 4 108 | 6.1 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 21 | 55 | 205 | 927 | 2 072 | 2 806 | 3 945 | 6.1 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 5 | 10 | 10 | 70 | 110 | 98 | 163 | 5.8 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 355 | 4 | 5 | 5 | 43 | 88 | 78 | 132 | 5.9 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 40 | 1 | 3 | - | 12 | 12 | 5 | 6 | 4.8 |
| NOT REPORTED | 72 | - | 2 | 5 | 15 | 10 | 16 | 24 | 5.8 |
| RENTER OCCUPIED | 5 418 | 202 | 348 | 1 466 | 1 628 | 1 068 | 469 | 236 | 3.9 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 199 | 347 | 1 454 | 1 594 | 1 034 | 455 | 213 | 3.9 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | 3 | 2 | 12 | 34 | 33 | 14 | 23 | 4.8 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 75 | - | 2 | 2 | 11 | 32 | 11 | 17 | 5.2 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 36 | 3 | - | 9 | 19 | 2 | - | 3 | 3.8 |
| NOT REPORTED | 11 | - | - | 2 | 3 | - | 3 | 3 | ... |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 315 | 530 | 2 141 | 3 120 | 3 568 | 3 593 | 4 584 | 5.3 |
| AIR CONDITIONING | | | | | | | | | |
| OWNER OCCUPIED | 10 946 | 27 | 72 | 244 | 1 071 | 2 275 | 2 995 | 4 261 | 6.1 |
| WITH AIR CONDITIONING | 5 469 | 11 | 31 | 133 | 487 | 978 | 1 520 | 2 308 | 6.2 |
| ROOM UNITS | 4 354 | 5 | 22 | 108 | 409 | 822 | 1 299 | 1 688 | 6.1 |
| 1 | 2 196 | 2 | 18 | 74 | 249 | 479 | 637 | 738 | 5.9 |
| 2 | 1 381 | 3 | 3 | 33 | 124 | 250 | 442 | 526 | 6.1 |
| 3 | 521 | - | - | 2 | 30 | 66 | 164 | 259 | 6.5 |
| 4 | 168 | - | 1 | - | 5 | 17 | 38 | 106 | 6.5+ |
| 5 OR MORE | 89 | - | - | - | - | 11 | 19 | 59 | 6.5+ |
| CENTRAL SYSTEM | 1 115 | 6 | 9 | 25 | 78 | 156 | 221 | 620 | 6.5+ |
| WITH NO AIR CONDITIONING | 5 477 | 16 | 42 | 111 | 584 | 1 297 | 1 475 | 1 952 | 6.0 |
| RENTER OCCUPIED | 6 906 | 288 | 458 | 1 897 | 2 049 | 1 293 | 598 | 323 | 3.9 |
| WITH AIR CONDITIONING | 2 650 | 95 | 180 | 786 | 873 | 428 | 204 | 85 | 3.8 |
| ROOM UNITS | 2 185 | 80 | 152 | 639 | 728 | 355 | 164 | 66 | 3.8 |
| 1 | 1 481 | 80 | 121 | 449 | 471 | 225 | 105 | 29 | 3.7 |
| 2 | 608 | - | 29 | 177 | 217 | 110 | 46 | 27 | 3.9 |
| 3 | 77 | - | 2 | 10 | 31 | 19 | 10 | 5 | 4.3 |
| 4 | 15 | - | - | 2 | 8 | 2 | 2 | 2 | ... |
| 5 OR MORE | 5 | - | - | 2 | - | - | - | 3 | ... |
| CENTRAL SYSTEM | 465 | 15 | 27 | 147 | 145 | 73 | 40 | 19 | 3.8 |
| WITH NO AIR CONDITIONING | 4 256 | 193 | 278 | 1 111 | 1 176 | 865 | 394 | 239 | 4.0 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE B-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 2 303 | 15 549 | 2 920 | 2 534 | 1 433 | 8 661 |
| HOUSE HEATING FUEL | | | | | | | |
| OWNER OCCUPIED | 10 946 | 1 510 | 9 436 | 1 950 | 2 021 | 980 | 4 485 |
| UTILITY GAS | 4 759 | 495 | 4 264 | 966 | 886 | 391 | 2 022 |
| BOTTLED, TANK, OR LP GAS | 90 | 24 | 66 | 19 | 13 | 16 | 19 |
| FUEL OIL | 5 000 | 514 | 4 486 | 747 | 1 037 | 530 | 2 172 |
| KEROSENE, ETC | 86 | 21 | 65 | 35 | 6 | 4 | 20 |
| ELECTRICITY | 670 | 383 | 288 | 140 | 45 | 15 | 88 |
| COAL OR COKE | 130 | 9 | 121 | 6 | 16 | 15 | 84 |
| WOOD | 207 | 63 | 144 | 35 | 17 | 10 | 81 |
| SOLAR HEAT | 1 | 1 | - | - | - | - | - |
| OTHER FUEL | 2 | - | 2 | 2 | - | - | - |
| NONE | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 6 906 | 793 | 6 113 | 970 | 513 | 453 | 4 176 |
| UTILITY GAS | 2 576 | 280 | 2 296 | 365 | 167 | 172 | 1 592 |
| BOTTLED, TANK, OR LP GAS | 42 | 2 | 39 | 11 | 5 | - | 23 |
| FUEL OIL | 3 533 | 183 | 3 350 | 432 | 317 | 273 | 2 328 |
| KEROSENE, ETC | 23 | 3 | 21 | 3 | 1 | - | 17 |
| ELECTRICITY | 611 | 321 | 289 | 155 | 21 | 3 | 111 |
| COAL OR COKE | 41 | - | 41 | - | - | 2 | 39 |
| WOOD | 55 | 1 | 54 | 3 | 3 | - | 48 |
| SOLAR HEAT | - | - | - | - | - | - | - |
| OTHER FUEL | 13 | 3 | 10 | 2 | - | 3 | 5 |
| NONE | 12 | - | 12 | - | - | - | 12 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 1 077 | 7 584 | 1 620 | 1 803 | 848 | 3 313 |
| ELECTRICITY PAID FOR | 8 656 | 1 077 | 7 579 | 1 618 | 1 803 | 848 | 3 309 |
| LESS THAN $10 | 25 | 2 | 23 | 1 | 4 | - | 18 |
| $10 TO $19 | 434 | 17 | 417 | 38 | 56 | 45 | 278 |
| $20 TO $29 | 1 300 | 84 | 1 216 | 141 | 270 | 148 | 657 |
| $30 TO $39 | 1 675 | 146 | 1 530 | 256 | 389 | 154 | 730 |
| $40 TO $49 | 1 358 | 169 | 1 189 | 265 | 261 | 129 | 533 |
| $50 TO $59 | 1 220 | 166 | 1 055 | 271 | 258 | 116 | 410 |
| $60 TO $79 | 1 285 | 188 | 1 097 | 289 | 290 | 137 | 382 |
| $80 TO $99 | 500 | 88 | 412 | 130 | 108 | 48 | 125 |
| $100 TO $149 | 649 | 151 | 498 | 163 | 134 | 46 | 156 |
| $150 OR MORE | 209 | 67 | 142 | 63 | 34 | 26 | 20 |
| MEDIAN | 46 | 57 | 45 | 54 | 46 | 45 | 39 |
| NO ELECTRICITY USED | 5 | - | 5 | 2 | - | - | 4 |
| SPECIFIED RENTER OCCUPIED[2] | 6 833 | 791 | 6 042 | 965 | 512 | 447 | 4 116 |
| ELECTRICITY PAID FOR | 5 208 | 545 | 4 663 | 702 | 341 | 305 | 3 316 |
| LESS THAN $10 | 131 | 3 | 128 | 15 | 5 | 10 | 98 |
| $10 TO $19 | 1 131 | 95 | 1 036 | 167 | 72 | 79 | 718 |
| $20 TO $29 | 1 435 | 103 | 1 332 | 166 | 111 | 82 | 973 |
| $30 TO $39 | 1 057 | 122 | 935 | 117 | 66 | 46 | 707 |
| $40 TO $49 | 553 | 47 | 506 | 88 | 39 | 30 | 349 |
| $50 TO $59 | 374 | 55 | 319 | 62 | 28 | 26 | 202 |
| $60 TO $79 | 313 | 58 | 255 | 51 | 11 | 22 | 171 |
| $80 TO $99 | 80 | 26 | 55 | 18 | 3 | 2 | 32 |
| $100 TO $149 | 87 | 25 | 62 | 11 | 4 | 6 | 41 |
| $150 OR MORE | 46 | 10 | 36 | 6 | 2 | 2 | 26 |
| MEDIAN | 28 | 35 | 28 | 30 | 28 | 27 | 28 |
| INCLUDED IN RENT | 1 609 | 245 | 1 364 | 261 | 170 | 142 | 791 |
| NO ELECTRICITY USED | 16 | 1 | 15 | 2 | 2 | - | 11 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 8 662 | 1 077 | 7 584 | 1 620 | 1 803 | 848 | 3 313 |
| GAS PAID FOR | 5 786 | 461 | 5 325 | 1 042 | 1 096 | 588 | 2 599 |
| LESS THAN $10 | 339 | 22 | 318 | 39 | 53 | 38 | 188 |
| $10 TO $14 | 371 | 21 | 350 | 30 | 56 | 56 | 208 |
| $15 TO $19 | 252 | 18 | 235 | 18 | 33 | 33 | 150 |
| $20 TO $24 | 242 | 5 | 237 | 37 | 34 | 15 | 151 |
| $25 TO $29 | 281 | 17 | 264 | 23 | 61 | 36 | 144 |
| $30 TO $39 | 624 | 47 | 578 | 66 | 133 | 87 | 291 |
| $40 TO $49 | 642 | 58 | 584 | 141 | 152 | 62 | 230 |
| $50 TO $69 | 1 403 | 126 | 1 277 | 275 | 314 | 127 | 561 |
| $70 TO $99 | 984 | 90 | 894 | 238 | 167 | 88 | 400 |
| $100 OR MORE | 646 | 57 | 590 | 176 | 92 | 46 | 275 |
| MEDIAN | 52 | 56 | 51 | 62 | 52 | 44 | 47 |
| NO GAS USED | 2 876 | 616 | 2 259 | 578 | 707 | 260 | 714 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE B-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 791 | 6 042 | 965 | 512 | 447 | 4 118 |
| GAS PAID FOR | 3 462 | 118 | 3 345 | 240 | 185 | 233 | 2 686 |
| LESS THAN $10 | 915 | 21 | 894 | 49 | 50 | 95 | 701 |
| $10 TO $14 | 558 | 14 | 544 | 50 | 31 | 51 | 412 |
| $15 TO $19 | 338 | 15 | 323 | 18 | 26 | 20 | 258 |
| $20 TO $24 | 289 | 10 | 279 | 16 | 18 | 9 | 237 |
| $25 TO $29 | 206 | 5 | 201 | 19 | 5 | 10 | 166 |
| $30 TO $39 | 299 | 17 | 282 | 26 | 24 | 10 | 223 |
| $40 TO $49 | 237 | 6 | 231 | 22 | 15 | 14 | 180 |
| $50 TO $69 | 325 | 18 | 307 | 23 | 7 | 19 | 259 |
| $70 TO $99 | 187 | 3 | 184 | 11 | 8 | 3 | 161 |
| $100 OR MORE | 109 | 9 | 100 | 5 | 2 | 4 | 89 |
| MEDIAN | 18 | 23 | 18 | 21 | 17 | 12 | 19 |
| INCLUDED IN RENT | 2 282 | 394 | 1 888 | 486 | 273 | 182 | 947 |
| NO GAS USED | 1 089 | 279 | 810 | 239 | 53 | 32 | 485 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 8 662 | 1 077 | 7 584 | 1 620 | 1 803 | 848 | 3 313 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 4 570 | 527 | 4 043 | 713 | 968 | 505 | 1 838 |
| LESS THAN $100 | 171 | 38 | 133 | 46 | 19 | 13 | 54 |
| $100 TO $199 | 191 | 33 | 159 | 57 | 31 | 14 | 56 |
| $200 TO $299 | 185 | 39 | 147 | 33 | 22 | 20 | 72 |
| $300 TO $399 | 187 | 36 | 150 | 19 | 43 | 18 | 71 |
| $400 TO $499 | 218 | 41 | 177 | 29 | 44 | 13 | 91 |
| $500 TO $599 | 288 | 29 | 259 | 44 | 61 | 32 | 123 |
| $600 TO $699 | 353 | 42 | 311 | 34 | 87 | 42 | 148 |
| $700 TO $799 | 294 | 27 | 267 | 44 | 84 | 35 | 104 |
| $800 OR MORE | 2 683 | 242 | 2 440 | 407 | 597 | 318 | 1 118 |
| MEDIAN | 800+ | 720 | 800+ | 800+ | 800+ | 800+ | 800+ |
| FUELS NOT USED OR FREE | 4 091 | 550 | 3 541 | 907 | 815 | 343 | 1 475 |
| SPECIFIED RENTER OCCUPIED[1] | 6 833 | 791 | 6 042 | 965 | 512 | 447 | 4 118 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 776 | 43 | 733 | 66 | 63 | 41 | 563 |
| LESS THAN $100 | 94 | 7 | 87 | 11 | 10 | 5 | 60 |
| $100 TO $199 | 23 | 4 | 19 | 1 | 5 | 3 | 10 |
| $200 TO $299 | 44 | - | 44 | 4 | 3 | - | 36 |
| $300 TO $399 | 31 | 3 | 28 | 4 | 1 | - | 23 |
| $400 TO $499 | 69 | 6 | 64 | 7 | 9 | - | 48 |
| $500 TO $599 | 56 | 9 | 47 | 7 | 7 | 3 | 30 |
| $600 TO $699 | 75 | 3 | 73 | 3 | 2 | 2 | 66 |
| $700 TO $799 | 51 | 2 | 49 | 6 | 2 | 7 | 35 |
| $800 OR MORE | 333 | 11 | 322 | 23 | 25 | 21 | 254 |
| MEDIAN | 694 | 529 | 710 | 577 | 554 | 800+ | 721 |
| INCLUDED IN RENT | 3 436 | 284 | 3 153 | 449 | 293 | 280 | 2 131 |
| FUELS NOT USED OR FREE | 2 621 | 464 | 2 157 | 449 | 156 | 126 | 1 425 |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 2 303 | 15 549 | 2 920 | 2 534 | 1 433 | 8 661 |
| HEATING EQUIPMENT | | | | | | | |
| OWNER OCCUPIED | 10 946 | 1 510 | 9 436 | 1 950 | 2 021 | 980 | 4 485 |
| WARM-AIR FURNACE | 4 709 | 657 | 4 052 | 975 | 982 | 439 | 1 656 |
| HEAT PUMP | 70 | 54 | 16 | 4 | 4 | - | 8 |
| STEAM OR HOT WATER | 4 966 | 395 | 4 571 | 758 | 922 | 488 | 2 404 |
| BUILT-IN ELECTRIC UNITS | 479 | 277 | 202 | 109 | 31 | 9 | 53 |
| FLOOR, WALL, OR PIPELESS FURNACE | 88 | 1 | 87 | 7 | 10 | 5 | 66 |
| ROOM HEATERS WITH FLUE | 135 | 8 | 127 | 9 | 14 | 14 | 89 |
| ROOM HEATERS WITHOUT FLUE | 12 | 2 | 10 | 1 | 2 | - | 7 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 487 | 116 | 371 | 86 | 57 | 24 | 204 |
| NONE | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 6 906 | 793 | 6 113 | 970 | 513 | 453 | 4 176 |
| WARM-AIR FURNACE | 1 544 | 232 | 1 312 | 260 | 100 | 62 | 889 |
| HEAT PUMP | 22 | 14 | 8 | - | 2 | - | 7 |
| STEAM OR HOT WATER | 4 319 | 258 | 4 060 | 559 | 377 | 372 | 2 753 |
| BUILT-IN ELECTRIC UNITS | 533 | 284 | 249 | 138 | 18 | 3 | 90 |
| FLOOR, WALL, OR PIPELESS FURNACE | 44 | - | 44 | 3 | 5 | 6 | 30 |
| ROOM HEATERS WITH FLUE | 271 | 4 | 267 | 5 | 3 | 9 | 250 |
| ROOM HEATERS WITHOUT FLUE | 33 | - | 33 | - | - | - | 33 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 128 | 1 | 127 | 4 | 8 | 2 | 113 |
| NONE | 12 | - | 12 | - | - | - | 12 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE B-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 2 303 | 15 549 | 2 920 | 2 534 | 1 433 | 8 661 |
| UNITS OCCUPIED LAST WINTER | 15 914 | 1 912 | 14 002 | 2 654 | 2 405 | 1 351 | 7 592 |
| INSUFFICIENT HEAT | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | |
| OWNER OCCUPIED | 10 497 | 1 336 | 9 160 | 1 890 | 1 976 | 945 | 4 349 |
| WITH HEATING EQUIPMENT | 10 497 | 1 336 | 9 160 | 1 890 | 1 976 | 945 | 4 349 |
| NO ROOMS CLOSED | 10 123 | 1 303 | 8 819 | 1 846 | 1 924 | 913 | 4 136 |
| CLOSED CERTAIN ROOMS | 280 | 26 | 254 | 23 | 26 | 29 | 176 |
| LIVING ROOM ONLY | 10 | 2 | 8 | - | 1 | 2 | 5 |
| DINING ROOM ONLY | 4 | 1 | 3 | - | 1 | 2 | - |
| 1 OR MORE BEDROOMS ONLY | 178 | 18 | 160 | 16 | 14 | 13 | 118 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 81 | 4 | 76 | 6 | 10 | 12 | 48 |
| NOT REPORTED | 7 | - | 7 | 2 | - | - | 5 |
| NOT REPORTED | 94 | 8 | 87 | 21 | 25 | 4 | 37 |
| NO HEATING EQUIPMENT | - | - | - | - | - | - | - |
| RENTER OCCUPIED | 5 418 | 576 | 4 842 | 764 | 429 | 406 | 3 243 |
| WITH HEATING EQUIPMENT | 5 405 | 576 | 4 829 | 764 | 429 | 406 | 3 230 |
| NO ROOMS CLOSED | 4 977 | 564 | 4 413 | 715 | 396 | 376 | 2 927 |
| CLOSED CERTAIN ROOMS | 347 | 3 | 344 | 37 | 23 | 24 | 260 |
| LIVING ROOM ONLY | 38 | - | 38 | - | 4 | 2 | 32 |
| DINING ROOM ONLY | 5 | - | 5 | 2 | 2 | - | 2 |
| 1 OR MORE BEDROOMS ONLY | 207 | 2 | 205 | 28 | 18 | 14 | 145 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 94 | 1 | 93 | 7 | - | 9 | 78 |
| NOT REPORTED | 3 | - | 3 | - | - | - | 3 |
| NOT REPORTED | 81 | 9 | 72 | 12 | 10 | 6 | 43 |
| NO HEATING EQUIPMENT | 12 | - | 12 | - | - | - | 12 |
| ADDITIONAL HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 10 497 | 1 336 | 9 160 | 1 890 | 1 976 | 945 | 4 349 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 1 239 | 8 792 | 1 806 | 1 917 | 923 | 4 146 |
| NO ADDITIONAL HEAT SOURCE USED | 9 169 | 1 146 | 8 022 | 1 679 | 1 765 | 855 | 3 723 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 742 | 80 | 661 | 108 | 119 | 56 | 379 |
| NOT REPORTED | 120 | 12 | 108 | 19 | 34 | 12 | 44 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 98 | 369 | 84 | 58 | 23 | 203 |
| RENTER OCCUPIED | 5 418 | 576 | 4 842 | 764 | 429 | 406 | 3 243 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 576 | 4 720 | 761 | 423 | 404 | 3 132 |
| NO ADDITIONAL HEAT SOURCE USED | 4 228 | 536 | 3 692 | 650 | 329 | 319 | 2 393 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 969 | 33 | 936 | 107 | 85 | 75 | 669 |
| NOT REPORTED | 99 | 7 | 92 | 3 | 9 | 10 | 70 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | - | 122 | 3 | 7 | 2 | 111 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 10 497 | 1 336 | 9 160 | 1 890 | 1 976 | 945 | 4 349 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 1 239 | 8 792 | 1 806 | 1 917 | 923 | 4 146 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 8 731 | 1 179 | 7 552 | 1 710 | 1 796 | 818 | 3 229 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 186 | 46 | 1 140 | 77 | 93 | 93 | 877 |
| 1 ROOM | 531 | 24 | 507 | 48 | 64 | 54 | 341 |
| 2 ROOMS | 271 | 9 | 262 | 6 | 16 | 20 | 220 |
| 3 ROOMS OR MORE | 385 | 13 | 372 | 23 | 13 | 19 | 317 |
| NOT REPORTED | 113 | 14 | 99 | 20 | 29 | 12 | 39 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 98 | 369 | 84 | 58 | 23 | 203 |
| RENTER OCCUPIED | 5 418 | 576 | 4 842 | 764 | 429 | 406 | 3 243 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 576 | 4 720 | 761 | 423 | 404 | 3 132 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 4 707 | 562 | 4 145 | 743 | 397 | 379 | 2 627 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 489 | 7 | 482 | 12 | 15 | 15 | 440 |
| 1 ROOM | 228 | 7 | 221 | 7 | 6 | 4 | 204 |
| 2 ROOMS | 128 | - | 128 | 5 | 7 | 1 | 116 |
| 3 ROOMS OR MORE | 133 | - | 133 | - | 3 | 10 | 120 |
| NOT REPORTED | 100 | 7 | 93 | 7 | 10 | 10 | 66 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | - | 122 | 3 | 7 | 2 | 111 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE B-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | |
| OWNER OCCUPIED | 10 497 | 1 336 | 9 160 | 1 890 | 1 976 | 945 | 4 349 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 10 030 | 1 239 | 8 792 | 1 806 | 1 917 | 923 | 4 146 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 466 | 98 | 369 | 84 | 58 | 23 | 203 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 355 | 70 | 285 | 60 | 48 | 18 | 159 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 40 | 11 | 29 | 9 | - | - | 20 |
| NOT REPORTED | 72 | 17 | 55 | 15 | 10 | 5 | 25 |
| RENTER OCCUPIED | 5 418 | 576 | 4 842 | 764 | 429 | 406 | 3 243 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 5 296 | 576 | 4 720 | 761 | 423 | 404 | 3 132 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 122 | - | 122 | 3 | 7 | 2 | 111 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 75 | - | 75 | - | 4 | - | 71 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 36 | - | 36 | 3 | 2 | 2 | 30 |
| NOT REPORTED | 11 | - | 11 | - | 1 | - | 10 |
| ALL OCCUPIED HOUSING UNITS | 17 852 | 2 303 | 15 549 | 2 920 | 2 534 | 1 433 | 8 661 |
| AIR CONDITIONING | | | | | | | |
| OWNER OCCUPIED | 10 946 | 1 510 | 9 436 | 1 950 | 2 021 | 980 | 4 485 |
| WITH AIR CONDITIONING | 5 469 | 757 | 4 712 | 1 129 | 1 189 | 563 | 1 831 |
| ROOM UNITS | 4 354 | 377 | 3 977 | 738 | 976 | 511 | 1 752 |
| 1 | 2 196 | 210 | 1 986 | 393 | 458 | 242 | 892 |
| 2 | 1 381 | 121 | 1 260 | 204 | 330 | 156 | 570 |
| 3 | 521 | 35 | 485 | 87 | 125 | 67 | 207 |
| 4 | 168 | 9 | 158 | 46 | 41 | 21 | 50 |
| 5 OR MORE | 89 | 2 | 87 | 9 | 22 | 25 | 32 |
| CENTRAL SYSTEM | 1 115 | 380 | 735 | 390 | 213 | 52 | 79 |
| WITH NO AIR CONDITIONING | 5 477 | 753 | 4 724 | 821 | 832 | 416 | 2 655 |
| RENTER OCCUPIED | 6 906 | 793 | 6 113 | 970 | 513 | 453 | 4 176 |
| WITH AIR CONDITIONING | 2 650 | 516 | 2 133 | 565 | 210 | 172 | 1 186 |
| ROOM UNITS | 2 185 | 284 | 1 901 | 466 | 202 | 168 | 1 066 |
| 1 | 1 481 | 171 | 1 310 | 286 | 130 | 119 | 776 |
| 2 | 608 | 94 | 514 | 163 | 63 | 39 | 248 |
| 3 | 77 | 15 | 62 | 14 | 8 | 10 | 30 |
| 4 | 15 | 5 | 10 | 3 | - | - | 7 |
| 5 OR MORE | 5 | - | 5 | - | - | - | 5 |
| CENTRAL SYSTEM | 465 | 232 | 232 | 99 | 8 | 4 | 121 |
| WITH NO AIR CONDITIONING | 4 256 | 277 | 3 980 | 406 | 303 | 281 | 2 990 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE B-8. MONTHLY COST PAID FOR ELECTRICITY BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISITCS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $10 | $10 TO $19 | $20 TO $29 | $30 TO $39 | $40 TO $49 | $50 TO $59 | $60 TO $79 | $80 TO $99 | $100 TO $149 | $150 OR MORE | NO ELECTRICITY USED OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 8 662 | 25 | 434 | 1 300 | 1 675 | 1 358 | 1 220 | 1 285 | 500 | 649 | 209 | 5 | 46 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| ELECTRICITY | 503 | - | 4 | 8 | 20 | 46 | 38 | 92 | 73 | 154 | 68 | - | 91 |
| OTHER THAN ELECTRICITY | 8 159 | 25 | 431 | 1 292 | 1 656 | 1 312 | 1 182 | 1 193 | 427 | 495 | 141 | 5 | 45 |
| UTILITY GAS | 3 949 | 20 | 243 | 670 | 824 | 629 | 566 | 549 | 169 | 221 | 56 | 2 | 43 |
| BOTTLED, TANK, OR LP GAS | 55 | - | 4 | 8 | 12 | 11 | 13 | - | 1 | 3 | 2 | - | 43 |
| FUEL OIL | 3 856 | 3 | 157 | 560 | 749 | 633 | 557 | 604 | 244 | 266 | 81 | 4 | 47 |
| KEROSENE, ETC | 43 | - | 5 | 7 | 9 | 12 | 5 | 2 | 1 | 1 | - | - | 40 |
| COAL OR COKE | 102 | - | 13 | 24 | 22 | 12 | 16 | 12 | 3 | - | - | - | 36 |
| WOOD | 152 | 2 | 9 | 23 | 40 | 14 | 25 | 25 | 8 | 4 | 2 | - | 42 |
| SOLAR HEAT | 1 | - | - | - | - | - | - | 1 | - | - | - | - | ... |
| OTHER FUEL | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONE | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 877 | 11 | 211 | 614 | 783 | 648 | 559 | 568 | 175 | 230 | 75 | 4 | 44 |
| HEAT PUMP | 58 | - | - | 5 | - | 3 | - | 9 | 8 | 16 | 17 | - | 111 |
| STEAM OR HOT WATER | 3 655 | 7 | 173 | 585 | 770 | 613 | 556 | 582 | 233 | 271 | 66 | - | 46 |
| BUILT-IN ELECTRIC UNITS | 348 | - | 2 | 2 | 7 | 31 | 30 | 61 | 53 | 115 | 48 | - | 95 |
| FLOOR, WALL, OR PIPELESS FURNACE | 70 | 1 | 16 | 23 | 13 | 6 | 6 | 3 | 2 | - | - | - | 27 |
| ROOM HEATERS WITH FLUE | 77 | 2 | 11 | 23 | 12 | 8 | 12 | - | 7 | 1 | - | - | 31 |
| ROOM HEATERS WITHOUT FLUE | 10 | 1 | - | 2 | 7 | - | - | - | - | - | - | - | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 366 | 3 | 21 | 47 | 83 | 48 | 57 | 63 | 23 | 15 | 5 | 2 | 45 |
| NONE | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 1 046 | 14 | 200 | 316 | 220 | 116 | 76 | 49 | 22 | 21 | 9 | 2 | 29 |
| 2 PERSONS | 2 564 | 5 | 152 | 522 | 616 | 422 | 298 | 302 | 102 | 111 | 32 | 2 | 39 |
| 3 PERSONS | 1 700 | - | 40 | 207 | 348 | 263 | 313 | 262 | 82 | 140 | 44 | - | 49 |
| 4 PERSONS | 1 817 | 2 | 30 | 172 | 307 | 322 | 269 | 339 | 119 | 205 | 52 | - | 53 |
| 5 PERSONS | 970 | 3 | 12 | 65 | 114 | 148 | 181 | 197 | 109 | 93 | 48 | 2 | 57 |
| 6 PERSONS | 352 | - | - | 12 | 41 | 47 | 62 | 78 | 48 | 48 | 16 | - | 63 |
| 7 PERSONS OR MORE | 213 | - | - | 6 | 29 | 39 | 22 | 58 | 18 | 31 | 9 | - | 63 |
| MEDIAN | 2.9 | ... | 1.6 | 2.1 | 2.5 | 3.0 | 3.3 | 3.6 | 3.9 | 3.8 | 3.9 | ... | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 4 356 | 4 | 128 | 473 | 743 | 668 | 667 | 782 | 313 | 420 | 157 | 2 | 52 |
| ROOM UNITS | 3 449 | 4 | 123 | 438 | 644 | 552 | 544 | 567 | 233 | 275 | 67 | 2 | 48 |
| 1 | 1 729 | 2 | 94 | 258 | 365 | 288 | 250 | 254 | 93 | 96 | 30 | - | 45 |
| 2 | 1 093 | 2 | 25 | 122 | 205 | 191 | 182 | 188 | 65 | 95 | 18 | 2 | 50 |
| 3 | 420 | - | 4 | 42 | 60 | 52 | 80 | 81 | 43 | 51 | 7 | - | 56 |
| 4 | 137 | - | - | 11 | 9 | 22 | 22 | 30 | 20 | 20 | 4 | - | 63 |
| 5 OR MORE | 70 | - | - | 6 | 5 | - | 11 | 14 | 12 | 13 | 9 | - | 78 |
| CENTRAL SYSTEM | 907 | - | 6 | 34 | 99 | 116 | 123 | 215 | 80 | 145 | 90 | - | 67 |
| WITH NO AIR CONDITIONING | 4 305 | 21 | 306 | 827 | 932 | 690 | 553 | 503 | 187 | 229 | 52 | 4 | 41 |
| SPECIFIED RENTER OCCUPIED[3] | 6 833 | 131 | 1 131 | 1 435 | 1 057 | 553 | 374 | 313 | 80 | 87 | 46 | 1 625 | 28 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| ELECTRICITY | 610 | - | 56 | 46 | 53 | 51 | 55 | 87 | 28 | 28 | 17 | 190 | 51 |
| OTHER THAN ELECTRICITY | 6 211 | 131 | 1 072 | 1 389 | 1 001 | 502 | 319 | 226 | 53 | 59 | 29 | 1 429 | 28 |
| UTILITY GAS | 2 565 | 46 | 519 | 598 | 434 | 191 | 107 | 73 | 16 | 22 | 16 | 543 | 27 |
| BOTTLED, TANK, OR LP GAS | 42 | - | 6 | 13 | 12 | - | 4 | - | - | - | - | 7 | 28 |
| FUEL OIL | 3 484 | 83 | 534 | 753 | 540 | 298 | 196 | 144 | 28 | 32 | 14 | 864 | 28 |
| KEROSENE, ETC | 23 | - | 5 | 3 | 6 | 1 | 4 | 2 | 2 | - | - | 2 | ... |
| COAL OR COKE | 39 | 1 | 3 | 13 | 3 | 7 | 2 | 5 | - | - | - | 5 | ... |
| WOOD | 44 | - | 2 | 10 | 6 | 3 | 6 | - | 7 | 5 | - | 6 | 45 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 13 | 2 | 3 | - | - | 1 | 1 | 2 | - | - | - | 3 | ... |
| NONE | 12 | - | 3 | - | 3 | - | - | - | - | - | - | 6 | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 1 520 | 26 | 258 | 306 | 241 | 158 | 100 | 69 | 19 | 21 | 4 | 318 | 30 |
| HEAT PUMP | 22 | - | 1 | 1 | 5 | 2 | 1 | - | - | 1 | 3 | 8 | ... |
| STEAM OR HOT WATER | 4 301 | 97 | 730 | 978 | 688 | 315 | 209 | 147 | 24 | 33 | 24 | 1 058 | 27 |
| BUILT-IN ELECTRIC UNITS | 532 | - | 43 | 37 | 42 | 46 | 47 | 80 | 26 | 25 | 12 | 174 | 52 |
| FLOOR, WALL, OR PIPELESS FURNACE | 43 | 2 | 7 | 15 | 3 | 5 | 2 | 2 | 1 | - | 2 | 4 | 26 |
| ROOM HEATERS WITH FLUE | 268 | 7 | 67 | 71 | 52 | 14 | 2 | 7 | 3 | 2 | 2 | 42 | 25 |
| ROOM HEATERS WITHOUT FLUE | 30 | - | 7 | 9 | 6 | - | 1 | 3 | - | - | - | 4 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 106 | - | 13 | 19 | 17 | 15 | 12 | 5 | 7 | 6 | - | 11 | 38 |
| NONE | 12 | - | 3 | - | 3 | - | - | - | - | - | - | 6 | ... |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 2 522 | 75 | 614 | 502 | 257 | 119 | 73 | 58 | 14 | 15 | 7 | 787 | 23 |
| 2 PERSONS | 2 029 | 32 | 356 | 513 | 338 | 149 | 108 | 78 | 20 | 15 | 11 | 409 | 27 |
| 3 PERSONS | 1 059 | 12 | 95 | 227 | 214 | 129 | 71 | 64 | 25 | 21 | 6 | 195 | 34 |
| 4 PERSONS | 698 | 9 | 37 | 133 | 156 | 84 | 69 | 63 | 11 | 7 | 14 | 116 | 36 |
| 5 PERSONS | 314 | 3 | 17 | 42 | 51 | 41 | 26 | 33 | 9 | 21 | 7 | 64 | 42 |
| 6 PERSONS | 127 | - | 6 | 12 | 29 | 21 | 12 | 11 | 1 | 3 | 2 | 31 | 41 |
| 7 PERSONS OR MORE | 85 | - | 6 | 5 | 12 | 10 | 15 | 7 | 2 | 5 | - | 23 | 47 |
| MEDIAN | 1.9 | 1.5- | 1.5- | 1.9 | 2.3 | 2.6 | 2.6 | 2.8 | 2.7 | 3.1 | 3.4 | 1.6 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 638 | 25 | 405 | 588 | 461 | 245 | 186 | 149 | 42 | 45 | 27 | 464 | 31 |
| ROOM UNITS | 2 177 | 23 | 366 | 531 | 385 | 195 | 156 | 123 | 29 | 30 | 17 | 323 | 30 |
| 1 | 1 476 | 16 | 287 | 402 | 213 | 122 | 78 | 67 | 17 | 18 | 8 | 249 | 27 |
| 2 | 604 | 7 | 72 | 116 | 155 | 55 | 64 | 45 | 12 | 10 | 7 | 62 | 34 |
| 3 | 77 | - | 2 | 10 | 15 | 16 | 12 | 10 | - | 2 | - | 10 | 44 |
| 4 | 15 | - | 3 | 3 | 3 | 2 | 2 | 2 | - | - | - | - | ... |
| 5 OR MORE | 5 | - | 2 | - | - | - | - | - | - | - | 2 | 2 | ... |
| CENTRAL SYSTEM | 461 | 3 | 40 | 57 | 75 | 50 | 30 | 26 | 13 | 16 | 10 | 142 | 37 |
| WITH NO AIR CONDITIONING | 4 195 | 106 | 726 | 847 | 597 | 308 | 188 | 164 | 39 | 41 | 19 | 1 161 | 27 |

[1]RENTER HOUSEHOLDS WITH ELECTRICITY COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE B-9. MONTHLY COST PAID FOR GAS BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $10 | $10 TO $14 | $15 TO $19 | $20 TO $24 | $25 TO $29 | $30 TO $39 | $40 TO $49 | $50 TO $69 | $70 TO $99 | $100 OR MORE | NO GAS USED OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 8 662 | 339 | 371 | 252 | 242 | 281 | 624 | 642 | 1 403 | 984 | 646 | 2 876 | 52 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| GAS | 4 004 | 57 | 44 | 43 | 80 | 120 | 418 | 549 | 1 253 | 887 | 553 | - | 60 |
| UTILITY GAS | 3 949 | 55 | 41 | 43 | 76 | 118 | 415 | 542 | 1 238 | 877 | 544 | - | 60 |
| BOTTLED, TANK, OR LP GAS | 55 | 2 | 3 | - | 4 | 3 | 3 | 7 | 15 | 10 | 9 | - | 58 |
| OTHER THAN GAS | 4 657 | 282 | 328 | 209 | 162 | 161 | 206 | 93 | 149 | 97 | 94 | 2 876 | 22 |
| FUEL OIL | 3 856 | 261 | 294 | 187 | 147 | 154 | 179 | 87 | 131 | 81 | 73 | 2 252 | 22 |
| KEROSENE, ETC | 43 | 2 | 4 | 5 | 1 | - | 9 | 2 | - | 2 | 2 | 16 | ... |
| ELECTRICITY | 503 | 6 | 7 | 6 | 6 | 2 | 11 | 2 | 16 | 11 | 14 | 423 | 50 |
| COAL OR COKE | 102 | 8 | 16 | 6 | 5 | 2 | 4 | 1 | 1 | 2 | 1 | 56 | 14 |
| WOOD | 152 | 5 | 7 | 5 | 2 | 4 | 3 | 2 | 1 | 2 | 3 | 116 | ... |
| SOLAR HEAT | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - |
| OTHER FUEL | - | - | - | - | - | - | - | - | - | - | - | - | - |
| NONE | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 877 | 115 | 131 | 100 | 82 | 123 | 341 | 449 | 920 | 545 | 297 | 773 | 54 |
| HEAT PUMP | 58 | - | 2 | 3 | - | - | - | - | 1 | 2 | - | 51 | ... |
| STEAM OR HOT WATER | 3 855 | 198 | 199 | 135 | 142 | 136 | 226 | 165 | 436 | 401 | 323 | 1 495 | 48 |
| BUILT-IN ELECTRIC UNITS | 348 | 6 | 5 | 2 | 6 | 2 | 6 | 2 | 1 | 4 | 9 | 306 | 31 |
| FLOOR, WALL, OR PIPELESS FURNACE | 70 | - | 2 | - | - | 3 | 14 | 8 | 19 | 13 | 3 | 9 | 54 |
| ROOM HEATERS WITH FLUE | 77 | - | 6 | 3 | - | 2 | 7 | 12 | 15 | 13 | 6 | 12 | 53 |
| ROOM HEATERS WITHOUT FLUE | 10 | 3 | - | - | - | 2 | 3 | - | - | - | - | 2 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 366 | 17 | 26 | 10 | 11 | 14 | 27 | 7 | 10 | 7 | 8 | 229 | 27 |
| NONE | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 1 046 | 86 | 73 | 54 | 40 | 35 | 96 | 96 | 150 | 75 | 44 | 297 | 38 |
| 2 PERSONS | 2 564 | 94 | 133 | 90 | 70 | 92 | 192 | 179 | 447 | 269 | 143 | 854 | 50 |
| 3 PERSONS | 1 700 | 65 | 76 | 36 | 51 | 35 | 117 | 140 | 265 | 170 | 119 | 627 | 51 |
| 4 PERSONS | 1 817 | 51 | 55 | 31 | 47 | 57 | 127 | 134 | 290 | 242 | 176 | 606 | 57 |
| 5 PERSONS | 970 | 28 | 27 | 25 | 18 | 43 | 48 | 57 | 157 | 146 | 95 | 326 | 59 |
| 6 PERSONS | 352 | 10 | 6 | 11 | 9 | 12 | 24 | 21 | 63 | 47 | 37 | 111 | 58 |
| 7 PERSONS OR MORE | 213 | 6 | 2 | 5 | 6 | 7 | 20 | 15 | 31 | 35 | 32 | 54 | 61 |
| MEDIAN | 2.9 | 2.4 | 2.3 | 2.3 | 2.7 | 2.9 | 2.7 | 2.8 | 2.9 | 3.4 | 3.6 | 2.9 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 4 356 | 153 | 161 | 132 | 112 | 150 | 322 | 322 | 700 | 575 | 420 | 1 308 | 55 |
| ROOM UNITS | 3 449 | 144 | 156 | 126 | 102 | 130 | 258 | 248 | 515 | 413 | 288 | 1 070 | 51 |
| 1 | 1 729 | 73 | 81 | 61 | 57 | 54 | 119 | 141 | 250 | 198 | 99 | 596 | 48 |
| 2 | 1 093 | 41 | 46 | 45 | 27 | 42 | 91 | 65 | 177 | 142 | 100 | 318 | 53 |
| 3 | 420 | 21 | 19 | 12 | 11 | 29 | 34 | 31 | 58 | 51 | 54 | 101 | 51 |
| 4 | 137 | 9 | 6 | 7 | 3 | 6 | 11 | 9 | 15 | 16 | 22 | 33 | 52 |
| 5 OR MORE | 70 | - | 4 | - | 4 | - | 4 | 2 | 15 | 6 | 13 | 23 | 62 |
| CENTRAL SYSTEM | 907 | 9 | 5 | 7 | 10 | 19 | 64 | 74 | 185 | 162 | 133 | 238 | 65 |
| WITH NO AIR CONDITIONING | 4 305 | 186 | 210 | 120 | 129 | 132 | 302 | 320 | 703 | 409 | 226 | 1 557 | 48 |
| SPECIFIED RENTER OCCUPIED[3] | 6 833 | 915 | 558 | 338 | 289 | 206 | 299 | 237 | 325 | 187 | 109 | 3 371 | 18 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| GAS | 2 607 | 221 | 132 | 82 | 100 | 110 | 220 | 202 | 284 | 155 | 91 | 1 009 | 36 |
| UTILITY GAS | 2 565 | 219 | 130 | 82 | 98 | 107 | 216 | 200 | 278 | 151 | 87 | 997 | 36 |
| BOTTLED, TANK, OR LP GAS | 42 | 2 | 2 | - | 2 | 3 | 4 | 3 | 7 | 4 | 3 | 12 | ... |
| OTHER THAN GAS | 4 214 | 692 | 426 | 255 | 189 | 95 | 78 | 35 | 41 | 30 | 18 | 2 354 | 12 |
| FUEL OIL | 3 484 | 660 | 406 | 234 | 174 | 86 | 71 | 35 | 31 | 23 | 15 | 1 750 | 12 |
| KEROSENE, ETC | 23 | 3 | 3 | 4 | - | 3 | - | - | - | - | - | 10 | ... |
| ELECTRICITY | 610 | 15 | 11 | 16 | 9 | 3 | 1 | - | 7 | 3 | - | 544 | 17 |
| COAL OR COKE | 39 | 8 | 5 | - | 5 | 3 | 2 | - | 1 | 2 | - | 15 | ... |
| WOOD | 44 | 7 | - | - | 2 | - | 5 | - | 2 | 2 | 3 | 23 | ... |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 13 | - | 2 | - | - | - | - | - | - | - | - | 12 | ... |
| NONE | 12 | 2 | - | 2 | - | - | - | - | - | 2 | - | 7 | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 1 520 | 86 | 70 | 50 | 55 | 62 | 134 | 109 | 135 | 80 | 49 | 691 | 36 |
| HEAT PUMP | 22 | 2 | - | - | 2 | - | - | - | - | - | - | 19 | ... |
| STEAM OR HOT WATER | 4 301 | 786 | 463 | 251 | 210 | 111 | 105 | 77 | 111 | 70 | 40 | 2 077 | 13 |
| BUILT-IN ELECTRIC UNITS | 532 | 10 | 11 | 13 | 7 | 2 | 1 | - | 3 | 2 | - | 484 | 16 |
| FLOOR, WALL, OR PIPELESS FURNACE | 43 | 2 | 3 | 5 | - | 2 | 3 | 9 | 8 | 4 | 2 | 5 | 44 |
| ROOM HEATERS WITH FLUE | 268 | 17 | 9 | 12 | 9 | 24 | 41 | 36 | 49 | 16 | 10 | 46 | 40 |
| ROOM HEATERS WITHOUT FLUE | 30 | 2 | - | - | 2 | 3 | 4 | 4 | 5 | 3 | 2 | 4 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 106 | 10 | 3 | 7 | 5 | 2 | 10 | 2 | 14 | 10 | 7 | 38 | 37 |
| NONE | 12 | 2 | - | 2 | - | - | - | - | - | 2 | - | 7 | ... |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 2 522 | 444 | 187 | 84 | 68 | 41 | 82 | 63 | 73 | 38 | 17 | 1 426 | 12 |
| 2 PERSONS | 2 029 | 283 | 175 | 119 | 75 | 56 | 94 | 59 | 92 | 53 | 17 | 1 005 | 17 |
| 3 PERSONS | 1 059 | 108 | 84 | 70 | 51 | 36 | 47 | 55 | 79 | 31 | 29 | 470 | 23 |
| 4 PERSONS | 698 | 60 | 60 | 34 | 51 | 48 | 43 | 31 | 46 | 34 | 27 | 264 | 26 |
| 5 PERSONS | 314 | 10 | 32 | 13 | 23 | 15 | 25 | 10 | 26 | 27 | 9 | 124 | 31 |
| 6 PERSONS | 127 | 10 | 14 | 9 | 14 | 7 | 3 | 11 | 4 | 2 | 3 | 50 | 22 |
| 7 PERSONS OR MORE | 85 | - | 6 | 9 | 8 | 2 | 5 | 7 | 5 | 3 | 7 | 32 | 33 |
| MEDIAN | 1.9 | 1.5 | 2.0 | 2.2 | 2.5 | 2.6 | 2.2 | 2.4 | 2.5 | 2.6 | 3.2 | 1.8 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 638 | 355 | 219 | 126 | 98 | 56 | 90 | 61 | 89 | 56 | 37 | 1 451 | 16 |
| ROOM UNITS | 2 177 | 343 | 209 | 118 | 93 | 52 | 71 | 51 | 72 | 53 | 27 | 1 088 | 14 |
| 1 | 1 476 | 242 | 151 | 92 | 64 | 33 | 49 | 34 | 48 | 31 | 17 | 715 | 14 |
| 2 | 604 | 89 | 50 | 24 | 24 | 17 | 19 | 17 | 22 | 19 | 8 | 315 | 16 |
| 3 | 77 | 8 | 8 | 2 | 2 | 2 | 3 | - | 2 | 2 | 2 | 47 | ... |
| 4 | 15 | 2 | - | - | 3 | - | - | - | - | - | - | 10 | ... |
| 5 OR MORE | 5 | 2 | - | - | - | - | - | - | - | 2 | - | 2 | ... |
| CENTRAL SYSTEM | 461 | 12 | 10 | 8 | 5 | 3 | 19 | 9 | 18 | 3 | 11 | 363 | 35 |
| WITH NO AIR CONDITIONING | 4 195 | 560 | 339 | 212 | 191 | 150 | 209 | 176 | 235 | 131 | 71 | 1 920 | 21 |

[1]RENTER HOUSEHOLDS WITH ELECTRICITY COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE B-10. YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC., BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $100 | $100 TO $199 | $200 TO $299 | $300 TO $399 | $400 TO $499 | $500 TO $599 | $600 TO $699 | $700 TO $799 | $800 OR MORE | FUELS NOT USED, FREE, OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 8 662 | 171 | 191 | 185 | 187 | 218 | 288 | 353 | 294 | 2 683 | 4 091 | 800+ |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OIL, COAL, KEROSENE, WOOD, ETC. | 4 153 | 43 | 71 | 104 | 133 | 174 | 254 | 310 | 272 | 2 545 | 247 | 800+ |
| FUEL OIL | 3 856 | 31 | 58 | 72 | 83 | 148 | 236 | 286 | 258 | 2 473 | 211 | 800+ |
| COAL OR COKE | 102 | - | 4 | 12 | 14 | 13 | 6 | 13 | 11 | 28 | 2 | 613 |
| KEROSENE, ETC | 43 | 2 | - | 4 | 9 | 3 | 5 | 1 | - | 18 | 2 | 567 |
| WOOD | 152 | 11 | 8 | 17 | 27 | 10 | 7 | 10 | 3 | 26 | 33 | 388 |
| OTHER THAN OIL, COAL, KEROSENE, WOOD, ETC | 4 508 | 127 | 121 | 82 | 54 | 44 | 34 | 42 | 22 | 138 | 3 845 | 304 |
| UTILITY GAS | 3 949 | 99 | 97 | 59 | 39 | 29 | 25 | 28 | 19 | 108 | 3 446 | 293 |
| BOTTLED, TANK, OR LP GAS | 55 | 2 | - | 2 | - | 6 | 2 | 3 | - | 2 | 37 | ... |
| ELECTRICITY | 503 | 25 | 24 | 21 | 15 | 9 | 6 | 11 | 3 | 28 | 361 | 306 |
| SOLAR HEAT | 1 | - | - | - | - | - | 1 | - | - | - | - | ... |
| OTHER FUEL | - | - | - | - | - | - | - | - | - | - | - | - |
| NONE | - | - | - | - | - | - | - | - | - | - | - | - |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 877 | 76 | 95 | 77 | 78 | 89 | 136 | 163 | 109 | 716 | 2 338 | 751 |
| HEAT PUMP | 58 | 8 | 2 | 3 | 2 | 1 | 1 | 4 | 2 | 3 | 32 | ... |
| STEAM OR HOT WATER | 3 855 | 48 | 53 | 49 | 49 | 66 | 115 | 155 | 171 | 1 870 | 1 281 | 800+ |
| BUILT-IN ELECTRIC UNITS | 348 | 12 | 18 | 10 | 9 | 5 | 4 | 1 | - | 16 | 271 | 277 |
| FLOOR, WALL, OR PIPELESS FURNACE | 70 | 3 | - | 3 | - | 1 | - | 1 | - | 9 | 52 | ... |
| ROOM HEATERS WITH FLUE | 77 | 5 | - | 2 | 1 | 6 | 7 | 3 | - | 10 | 43 | ... |
| ROOM HEATERS WITHOUT FLUE | 10 | 3 | - | 2 | 2 | - | 2 | - | - | - | 1 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 366 | 15 | 24 | 38 | 46 | 50 | 23 | 26 | 12 | 58 | 73 | 446 |
| NONE | - | - | - | - | - | - | - | - | - | - | - | - |
| PERSONS | | | | | | | | | | | | |
| 1 PERSON | 1 046 | 18 | 4 | 16 | 28 | 27 | 38 | 54 | 33 | 334 | 496 | 800+ |
| 2 PERSONS | 2 564 | 32 | 51 | 48 | 65 | 64 | 94 | 113 | 91 | 814 | 1 191 | 800+ |
| 3 PERSONS | 1 700 | 31 | 64 | 37 | 34 | 28 | 52 | 72 | 58 | 555 | 769 | 800+ |
| 4 PERSONS | 1 817 | 49 | 34 | 46 | 27 | 44 | 55 | 69 | 55 | 526 | 913 | 800+ |
| 5 PERSONS | 970 | 27 | 26 | 28 | 22 | 34 | 24 | 21 | 39 | 287 | 462 | 800+ |
| 6 PERSONS | 352 | 6 | 10 | 10 | 5 | 13 | 21 | 16 | 11 | 109 | 151 | 800+ |
| 7 PERSONS OR MORE | 213 | 7 | 2 | 2 | 5 | 9 | 4 | 9 | 8 | 58 | 109 | 800+ |
| MEDIAN | 2.9 | 3.6 | 3.1 | 3.3 | 2.5 | 3.2 | 2.7 | 2.6 | 2.9 | 2.8 | 3.0 | ... |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 4 356 | 78 | 72 | 69 | 75 | 70 | 129 | 135 | 146 | 1 357 | 2 226 | 800+ |
| ROOM UNITS | 3 449 | 50 | 54 | 55 | 66 | 58 | 110 | 115 | 126 | 1 230 | 1 585 | 800+ |
| 1 | 1 729 | 23 | 37 | 32 | 43 | 33 | 67 | 55 | 84 | 566 | 789 | 800+ |
| 2 | 1 093 | 20 | 13 | 16 | 15 | 11 | 33 | 41 | 29 | 398 | 516 | 800+ |
| 3 | 420 | 4 | 5 | 7 | 6 | 10 | 5 | 14 | 8 | 173 | 188 | 800+ |
| 4 | 137 | - | - | - | - | 4 | - | 4 | 2 | 62 | 66 | 800+ |
| 5 OR MORE | 70 | 4 | - | - | 2 | - | 5 | - | 2 | 31 | 26 | 800+ |
| CENTRAL SYSTEM | 907 | 28 | 18 | 13 | 9 | 12 | 19 | 20 | 20 | 127 | 642 | 769 |
| WITH NO AIR CONDITIONING | 4 305 | 93 | 119 | 117 | 112 | 149 | 159 | 218 | 148 | 1 326 | 1 865 | 800+ |
| SPECIFIED RENTER OCCUPIED[3] | 6 833 | 94 | 23 | 44 | 31 | 69 | 56 | 75 | 51 | 333 | 6 057 | 694 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OIL, COAL, KEROSENE, WOOD, ETC. | 3 591 | 69 | 15 | 37 | 29 | 60 | 51 | 72 | 47 | 309 | 2 903 | 724 |
| FUEL OIL | 3 484 | 64 | 14 | 18 | 24 | 51 | 31 | 57 | 43 | 300 | 2 883 | 796 |
| COAL OR COKE | 39 | 2 | - | 5 | 2 | 4 | 4 | 5 | 2 | 3 | 12 | ... |
| KEROSENE, ETC | 23 | 1 | - | 2 | 1 | 2 | 5 | 8 | 2 | 2 | 2 | ... |
| WOOD | 44 | 2 | 1 | 12 | 2 | 3 | 11 | 3 | - | 4 | 6 | 485 |
| OTHER THAN OIL, COAL, KEROSENE, WOOD, ETC | 3 230 | 25 | 8 | 6 | 2 | 9 | 5 | 3 | 4 | 24 | 3 142 | 427 |
| UTILITY GAS | 2 565 | 17 | 5 | 6 | 2 | 8 | 3 | 3 | 3 | 20 | 2 499 | 455 |
| BOTTLED, TANK, OR LP GAS | 42 | 2 | 1 | - | - | - | - | - | - | - | 39 | ... |
| ELECTRICITY | 610 | 7 | 2 | - | - | 2 | 2 | - | 1 | 4 | 591 | ... |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 13 | - | - | - | - | - | - | - | - | - | 13 | - |
| NONE | 12 | - | - | - | - | - | - | - | - | - | 12 | - |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 1 520 | 16 | 6 | 13 | 12 | 31 | 22 | 40 | 27 | 98 | 1 256 | 680 |
| HEAT PUMP | 22 | - | - | - | - | - | - | - | - | - | 22 | - |
| STEAM OR HOT WATER | 4 301 | 69 | 12 | 13 | 14 | 30 | 17 | 25 | 18 | 218 | 3 884 | 800+ |
| BUILT-IN ELECTRIC UNITS | 532 | 5 | 2 | - | - | 2 | 2 | - | 1 | 4 | 516 | ... |
| FLOOR, WALL, OR PIPELESS FURNACE | 43 | - | - | - | 2 | - | - | 3 | - | 3 | 35 | ... |
| ROOM HEATERS WITH FLUE | 268 | 2 | - | 3 | - | - | 2 | 3 | 2 | 3 | 254 | ... |
| ROOM HEATERS WITHOUT FLUE | 30 | - | - | 1 | - | - | - | - | 2 | - | 27 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 106 | 3 | 3 | 13 | 3 | 7 | 13 | 5 | 2 | 7 | 51 | 480 |
| NONE | 12 | - | - | - | - | - | - | - | - | - | 12 | - |
| PERSONS | | | | | | | | | | | | |
| 1 PERSON | 2 522 | 39 | 9 | 6 | 3 | 18 | 16 | 25 | 15 | 51 | 2 339 | 602 |
| 2 PERSONS | 2 029 | 31 | 6 | 9 | 6 | 22 | 15 | 24 | 14 | 95 | 1 807 | 692 |
| 3 PERSONS | 1 059 | 7 | 6 | 12 | 13 | 10 | 11 | 15 | 8 | 74 | 903 | 757 |
| 4 PERSONS | 698 | 9 | 3 | 7 | 4 | 6 | 7 | 7 | 8 | 51 | 596 | 797 |
| 5 PERSONS | 314 | 6 | - | 7 | 4 | 7 | 3 | 2 | 3 | 40 | 242 | 800+ |
| 6 PERSONS | 127 | 4 | - | - | - | 5 | - | 2 | 2 | 16 | 100 | ... |
| 7 PERSONS OR MORE | 85 | - | - | 3 | - | 2 | 2 | 2 | - | 6 | 71 | ... |
| MEDIAN | 1.9 | 1.8 | ... | 3.1 | ... | 2.3 | 2.2 | 2.0 | 2.2 | 2.8 | 1.9 | ... |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 638 | 45 | 8 | 7 | 8 | 19 | 21 | 19 | 21 | 124 | 2 366 | 743 |
| ROOM UNITS | 2 177 | 42 | 5 | 7 | 7 | 14 | 18 | 17 | 21 | 116 | 1 929 | 764 |
| 1 | 1 476 | 31 | 3 | 5 | 7 | 13 | 13 | 14 | 13 | 78 | 1 299 | 718 |
| 2 | 604 | 11 | 2 | 3 | - | 1 | 5 | 2 | 5 | 36 | 539 | 800+ |
| 3 | 77 | - | - | - | - | - | - | - | 2 | 2 | 73 | ... |
| 4 | 15 | - | - | - | - | - | - | - | - | - | 15 | - |
| 5 OR MORE | 5 | - | - | - | - | - | - | - | 2 | - | 3 | ... |
| CENTRAL SYSTEM | 461 | 3 | 3 | - | 1 | 4 | 3 | 2 | - | 8 | 437 | ... |
| WITH NO AIR CONDITIONING | 4 195 | 49 | 15 | 36 | 22 | 51 | 34 | 57 | 30 | 209 | 3 691 | 676 |

[1]RENTER HOUSEHOLDS WITH THESE FUEL COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY. [3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE B-11. HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK, BY DISTANCE AND TRAVEL TIME TO WORK: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTHEAST REGION | TOTAL | HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | DRIVES SELF | CARPOOL | MASS TRANS-PORTATION | BICYCLE, MOTOR-CYCLE, OR MOPED | TAXICAB | WALKS ONLY | OTHER MEANS | WORKS AT HOME |
| HOUSING UNITS WITH EMPLOYED HOUSEHOLDERS[1] | 11 748 | 7 289 | 1 791 | 1 652 | 86 | 43 | 629 | 19 | 239 |
| DISTANCE FROM HOME TO WORK | | | | | | | | | |
| OWNER OCCUPIED | 7 590 | 5 269 | 1 267 | 582 | 50 | 2 | 232 | 14 | 175 |
| LESS THAN 1 MILE | 550 | 306 | 31 | 9 | 7 | - | 197 | - | - |
| 1 TO 4 MILES | 1 459 | 1 112 | 196 | 87 | 28 | 2 | 28 | 6 | - |
| 5 TO 9 MILES | 1 334 | 1 025 | 207 | 99 | 2 | - | - | 1 | - |
| 10 TO 19 MILES | 1 662 | 1 180 | 335 | 140 | 8 | - | - | - | - |
| 20 TO 29 MILES | 725 | 419 | 195 | 111 | - | - | - | - | - |
| 30 TO 49 MILES | 548 | 290 | 153 | 103 | 2 | - | - | - | - |
| 50 MILES OR MORE | 158 | 84 | 63 | 10 | - | - | - | - | - |
| WORKS AT HOME | 175 | - | - | - | - | - | - | - | 175 |
| NO FIXED PLACE OF WORK | 979 | 853 | 86 | 23 | 3 | - | 7 | 7 | - |
| MEDIAN | 9.5 | 8.8 | 14.6 | 16.0 | 3.3 | ... | 1.0- | ... | - |
| RENTER OCCUPIED | 4 158 | 2 021 | 524 | 1 069 | 36 | 41 | 397 | 5 | 64 |
| LESS THAN 1 MILE | 507 | 103 | 28 | 20 | 9 | 8 | 339 | 2 | - |
| 1 TO 4 MILES | 1 050 | 554 | 111 | 306 | 23 | 14 | 42 | - | - |
| 5 TO 9 MILES | 809 | 454 | 107 | 247 | - | - | 2 | - | - |
| 10 TO 19 MILES | 845 | 425 | 122 | 293 | 4 | 2 | - | - | - |
| 20 TO 29 MILES | 314 | 158 | 57 | 99 | - | - | - | - | - |
| 30 TO 49 MILES | 151 | 90 | 34 | 27 | - | - | - | - | - |
| 50 MILES OR MORE | 30 | 20 | 10 | - | - | - | - | - | - |
| WORKS AT HOME | 64 | - | - | - | - | - | - | - | 64 |
| NO FIXED PLACE OF WORK | 387 | 219 | 55 | 78 | - | 17 | 14 | 3 | - |
| MEDIAN | 6.8 | 7.7 | 9.5 | 8.4 | 2.6 | ... | 1.0- | ... | - |
| TRAVEL TIME FROM HOME TO WORK | | | | | | | | | |
| OWNER OCCUPIED | 7 590 | 5 269 | 1 267 | 582 | 50 | 2 | 232 | 14 | 175 |
| LESS THAN 15 MINUTES | 2 028 | 1 595 | 222 | 12 | 25 | 2 | 170 | 2 | - |
| 15 TO 29 MINUTES | 2 215 | 1 647 | 426 | 75 | 17 | - | 50 | - | - |
| 30 TO 44 MINUTES | 1 136 | 741 | 257 | 127 | 5 | - | 4 | 2 | - |
| 45 TO 59 MINUTES | 452 | 240 | 136 | 74 | - | - | - | 2 | - |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 431 | 154 | 110 | 167 | - | - | - | - | - |
| 1 HOUR AND 30 MINUTES OR MORE | 175 | 38 | 29 | 104 | - | - | 2 | 1 | - |
| WORKS AT HOME | 175 | - | - | - | - | - | - | - | 175 |
| NO FIXED PLACE OF WORK | 979 | 853 | 86 | 23 | 3 | - | 7 | 7 | - |
| MEDIAN | 23.1 | 20.6 | 27.9 | 58.2 | 15.0- | ... | 15.0- | ... | - |
| RENTER OCCUPIED | 4 158 | 2 021 | 524 | 1 069 | 36 | 41 | 397 | 5 | 64 |
| LESS THAN 15 MINUTES | 1 134 | 657 | 135 | 43 | 24 | 17 | 258 | 2 | - |
| 15 TO 29 MINUTES | 1 229 | 743 | 165 | 200 | 8 | 6 | 107 | - | - |
| 30 TO 44 MINUTES | 657 | 261 | 106 | 275 | 3 | - | 12 | - | - |
| 45 TO 59 MINUTES | 298 | 80 | 30 | 184 | - | - | 3 | - | - |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 291 | 50 | 30 | 208 | 2 | - | 2 | - | - |
| 1 HOUR AND 30 MINUTES OR MORE | 97 | 12 | 3 | 82 | - | - | - | - | - |
| WORKS AT HOME | 64 | - | - | - | - | - | - | - | 64 |
| NO FIXED PLACE OF WORK | 387 | 219 | 55 | 78 | - | 17 | 14 | 3 | - |
| MEDIAN | 23.8 | 19.9 | 24.1 | 43.8 | 15.0- | ... | 15.0- | ... | - |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE C-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 14 072 | 5 944 | 8 127 | 7 493 |
| HOUSE HEATING FUEL | | | | | |
| OWNER OCCUPIED | 15 140 | 9 461 | 3 303 | 6 158 | 5 679 |
| UTILITY GAS | 10 721 | 7 626 | 2 884 | 4 742 | 3 095 |
| BOTTLED, TANK, OR LP GAS | 1 124 | 236 | 7 | 229 | 888 |
| FUEL OIL | 1 689 | 867 | 208 | 659 | 821 |
| KEROSENE, ETC | 13 | 4 | - | 4 | 9 |
| ELECTRICITY | 1 357 | 689 | 200 | 489 | 668 |
| COAL OR COKE | 34 | 9 | 2 | 8 | 25 |
| WOOD | 193 | 26 | 2 | 24 | 166 |
| SOLAR HEAT | 3 | 1 | - | 1 | 2 |
| OTHER FUEL | 5 | 1 | - | 1 | 4 |
| NONE | 1 | 1 | - | 1 | - |
| RENTER OCCUPIED | 6 424 | 4 610 | 2 641 | 1 969 | 1 814 |
| UTILITY GAS | 4 586 | 3 572 | 2 133 | 1 440 | 1 014 |
| BOTTLED, TANK, OR LP GAS | 251 | 51 | 4 | 47 | 199 |
| FUEL OIL | 626 | 397 | 190 | 206 | 229 |
| KEROSENE, ETC | - | - | - | - | - |
| ELECTRICITY | 854 | 554 | 291 | 263 | 300 |
| COAL OR COKE | 18 | 5 | 2 | 3 | 13 |
| WOOD | 63 | 7 | - | 7 | 56 |
| SOLAR HEAT | - | - | - | - | - |
| OTHER FUEL | 21 | 19 | 18 | 2 | 2 |
| NONE | 5 | 5 | 3 | 2 | - |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 8 022 | 2 673 | 5 348 | 4 104 |
| ELECTRICITY PAID FOR | 12 115 | 8 016 | 2 670 | 5 347 | 4 099 |
| LESS THAN $10 | 83 | 48 | 19 | 29 | 36 |
| $10 TO $19 | 732 | 418 | 214 | 204 | 314 |
| $20 TO $29 | 1 998 | 1 244 | 515 | 729 | 755 |
| $30 TO $39 | 2 683 | 1 814 | 675 | 1 139 | 869 |
| $40 TO $49 | 2 076 | 1 421 | 449 | 972 | 655 |
| $50 TO $59 | 1 721 | 1 183 | 357 | 826 | 538 |
| $60 TO $79 | 1 582 | 1 059 | 282 | 777 | 524 |
| $80 TO $99 | 563 | 382 | 78 | 304 | 181 |
| $100 TO $149 | 539 | 345 | 56 | 289 | 193 |
| $150 OR MORE | 137 | 103 | 25 | 78 | 34 |
| MEDIAN | 42 | 43 | 38 | 45 | 41 |
| NO ELECTRICITY USED | 10 | 6 | 4 | 2 | 5 |
| SPECIFIED RENTER OCCUPIED[2] | 6 199 | 4 551 | 2 640 | 1 912 | 1 648 |
| ELECTRICITY PAID FOR | 5 177 | 3 834 | 2 116 | 1 718 | 1 343 |
| LESS THAN $10 | 312 | 251 | 160 | 91 | 61 |
| $10 TO $19 | 1 389 | 1 113 | 651 | 462 | 276 |
| $20 TO $29 | 1 315 | 1 004 | 583 | 420 | 311 |
| $30 TO $39 | 940 | 679 | 360 | 320 | 260 |
| $40 TO $49 | 421 | 285 | 139 | 146 | 137 |
| $50 TO $59 | 353 | 221 | 100 | 121 | 133 |
| $60 TO $79 | 280 | 178 | 83 | 96 | 102 |
| $80 TO $99 | 78 | 52 | 18 | 34 | 27 |
| $100 TO $149 | 55 | 28 | 10 | 18 | 28 |
| $150 OR MORE | 33 | 23 | 12 | 11 | 10 |
| MEDIAN | 26 | 25 | 24 | 27 | 31 |
| INCLUDED IN RENT | 1 003 | 701 | 509 | 192 | 302 |
| NO ELECTRICITY USED | 20 | 17 | 15 | 2 | 3 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 8 022 | 2 673 | 5 348 | 4 104 |
| GAS PAID FOR | 10 539 | 7 150 | 2 510 | 4 641 | 3 388 |
| LESS THAN $10 | 175 | 79 | 25 | 53 | 97 |
| $10 TO $14 | 201 | 76 | 22 | 55 | 125 |
| $15 TO $19 | 246 | 127 | 51 | 75 | 120 |
| $20 TO $24 | 382 | 225 | 102 | 123 | 157 |
| $25 TO $29 | 598 | 347 | 143 | 203 | 252 |
| $30 TO $39 | 1 707 | 1 141 | 427 | 714 | 566 |
| $40 TO $49 | 1 978 | 1 384 | 466 | 918 | 594 |
| $50 TO $69 | 3 342 | 2 391 | 754 | 1 637 | 952 |
| $70 TO $99 | 1 434 | 1 052 | 384 | 668 | 382 |
| $100 OR MORE | 475 | 329 | 135 | 195 | 145 |
| MEDIAN | 49 | 52 | 50 | 52 | 46 |
| NO GAS USED | 1 587 | 871 | 164 | 707 | 715 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE C-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 4 551 | 2 640 | 1 912 | 1 648 |
| GAS PAID FOR | 3 207 | 2 321 | 1 421 | 901 | 886 |
| LESS THAN $10 | 366 | 297 | 201 | 96 | 70 |
| $10 TO $14 | 285 | 230 | 152 | 78 | 55 |
| $15 TO $19 | 251 | 173 | 95 | 78 | 78 |
| $20 TO $24 | 243 | 182 | 94 | 88 | 62 |
| $25 TO $29 | 241 | 175 | 117 | 58 | 66 |
| $30 TO $39 | 496 | 358 | 208 | 150 | 138 |
| $40 TO $49 | 388 | 265 | 128 | 137 | 123 |
| $50 TO $69 | 571 | 386 | 239 | 147 | 185 |
| $70 TO $99 | 240 | 178 | 132 | 46 | 62 |
| $100 OR MORE | 124 | 78 | 54 | 24 | 47 |
| MEDIAN | 34 | 33 | 32 | 33 | 37 |
| INCLUDED IN RENT | 2 192 | 1 748 | 1 011 | 737 | 444 |
| NO GAS USED | 801 | 483 | 209 | 274 | 318 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 12 125 | 8 022 | 2 673 | 5 348 | 4 104 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 003 | 1 172 | 277 | 895 | 832 |
| LESS THAN $100 | 483 | 337 | 94 | 243 | 146 |
| $100 TO $199 | 266 | 156 | 49 | 107 | 110 |
| $200 TO $299 | 156 | 72 | 17 | 55 | 84 |
| $300 TO $399 | 111 | 55 | 2 | 53 | 56 |
| $400 TO $499 | 120 | 59 | 16 | 43 | 62 |
| $500 TO $599 | 126 | 60 | 16 | 43 | 67 |
| $600 TO $699 | 159 | 86 | 20 | 66 | 73 |
| $700 TO $799 | 133 | 70 | 12 | 59 | 62 |
| $800 OR MORE | 448 | 277 | 50 | 226 | 172 |
| MEDIAN | 386 | 336 | 189 | 379 | 432 |
| FUELS NOT USED OR FREE | 10 122 | 6 850 | 2 397 | 4 453 | 3 272 |
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 4 551 | 2 640 | 1 912 | 1 648 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 338 | 154 | 44 | 111 | 184 |
| LESS THAN $100 | 61 | 32 | 10 | 22 | 29 |
| $100 TO $199 | 55 | 21 | 7 | 14 | 34 |
| $200 TO $299 | 27 | 13 | - | 13 | 13 |
| $300 TO $399 | 24 | 11 | 5 | 6 | 13 |
| $400 TO $499 | 25 | 7 | 3 | 4 | 18 |
| $500 TO $599 | 14 | 6 | 3 | 3 | 8 |
| $600 TO $699 | 23 | 16 | 5 | 11 | 7 |
| $700 TO $799 | 13 | 4 | - | 4 | 8 |
| $800 OR MORE | 97 | 43 | 10 | 33 | 54 |
| MEDIAN | 410 | 393 | 403 | 386 | 418 |
| INCLUDED IN RENT | 561 | 421 | 245 | 176 | 139 |
| FUELS NOT USED OR FREE | 5 301 | 3 976 | 2 351 | 1 625 | 1 325 |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 14 072 | 5 944 | 8 127 | 7 493 |
| HEATING EQUIPMENT | | | | | |
| OWNER OCCUPIED | 15 140 | 9 461 | 3 303 | 6 158 | 5 679 |
| WARM-AIR FURNACE | 11 586 | 7 831 | 2 670 | 5 161 | 3 755 |
| HEAT PUMP | 208 | 127 | 19 | 108 | 82 |
| STEAM OR HOT WATER | 1 304 | 887 | 406 | 481 | 417 |
| BUILT-IN ELECTRIC UNITS | 694 | 303 | 91 | 212 | 391 |
| FLOOR, WALL, OR PIPELESS FURNACE | 317 | 64 | 36 | 28 | 253 |
| ROOM HEATERS WITH FLUE | 490 | 153 | 68 | 85 | 337 |
| ROOM HEATERS WITHOUT FLUE | 44 | 6 | 4 | 2 | 38 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 497 | 90 | 10 | 80 | 407 |
| NONE | 1 | 1 | - | 1 | - |
| RENTER OCCUPIED | 6 424 | 4 610 | 2 641 | 1 969 | 1 814 |
| WARM-AIR FURNACE | 3 399 | 2 421 | 1 290 | 1 131 | 978 |
| HEAT PUMP | 30 | 24 | 11 | 13 | 6 |
| STEAM OR HOT WATER | 1 642 | 1 470 | 938 | 532 | 172 |
| BUILT-IN ELECTRIC UNITS | 556 | 338 | 178 | 160 | 216 |
| FLOOR, WALL, OR PIPELESS FURNACE | 206 | 81 | 51 | 31 | 125 |
| ROOM HEATERS WITH FLUE | 418 | 219 | 154 | 65 | 199 |
| ROOM HEATERS WITHOUT FLUE | 42 | 24 | 14 | 10 | 18 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 126 | 28 | 4 | 24 | 98 |
| NONE | 5 | 5 | 3 | 2 | - |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE C-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 14 072 | 5 944 | 8 127 | 7 493 |
| UNITS OCCUPIED LAST WINTER | 18 657 | 12 086 | 4 959 | 7 128 | 6 571 |
| INSUFFICIENT HEAT | | | | | |
| CLOSURE OF ROOMS: | | | | | |
| OWNER OCCUPIED | 14 391 | 9 002 | 3 157 | 5 846 | 5 389 |
| WITH HEATING EQUIPMENT | 14 390 | 9 001 | 3 157 | 5 844 | 5 389 |
| NO ROOMS CLOSED | 13 792 | 8 698 | 3 040 | 5 658 | 5 094 |
| CLOSED CERTAIN ROOMS | 389 | 185 | 68 | 116 | 204 |
| LIVING ROOM ONLY | 17 | 8 | 2 | 6 | 9 |
| DINING ROOM ONLY | 3 | 3 | - | 3 | - |
| 1 OR MORE BEDROOMS ONLY | 269 | 110 | 38 | 71 | 160 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 92 | 60 | 26 | 34 | 32 |
| NOT REPORTED | 7 | 4 | 2 | 2 | 3 |
| NOT REPORTED | 209 | 118 | 48 | 70 | 91 |
| NO HEATING EQUIPMENT | 1 | 1 | - | 1 | - |
| RENTER OCCUPIED | 4 266 | 3 084 | 1 802 | 1 282 | 1 182 |
| WITH HEATING EQUIPMENT | 4 262 | 3 081 | 1 800 | 1 280 | 1 182 |
| NO ROOMS CLOSED | 3 952 | 2 884 | 1 677 | 1 206 | 1 068 |
| CLOSED CERTAIN ROOMS | 230 | 150 | 97 | 53 | 80 |
| LIVING ROOM ONLY | 13 | 13 | 10 | 3 | - |
| DINING ROOM ONLY | 2 | 2 | 2 | - | - |
| 1 OR MORE BEDROOMS ONLY | 147 | 84 | 53 | 31 | 62 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 64 | 48 | 32 | 16 | 16 |
| NOT REPORTED | 5 | 3 | - | 3 | 2 |
| NOT REPORTED | 80 | 46 | 26 | 21 | 33 |
| NO HEATING EQUIPMENT | 3 | 3 | 2 | 2 | - |
| ADDITIONAL HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 14 391 | 9 002 | 3 157 | 5 846 | 5 389 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 8 908 | 3 143 | 5 765 | 4 961 |
| NO ADDITIONAL HEAT SOURCE USED | 12 865 | 8 251 | 2 911 | 5 340 | 4 613 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 749 | 486 | 147 | 339 | 263 |
| NOT REPORTED | 255 | 170 | 85 | 85 | 85 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 95 | 14 | 81 | 428 |
| RENTER OCCUPIED | 4 266 | 3 084 | 1 802 | 1 282 | 1 182 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 3 038 | 1 787 | 1 251 | 1 098 |
| NO ADDITIONAL HEAT SOURCE USED | 3 523 | 2 548 | 1 448 | 1 099 | 975 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 506 | 415 | 287 | 129 | 91 |
| NOT REPORTED | 107 | 75 | 52 | 23 | 32 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 46 | 15 | 31 | 84 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 14 391 | 9 002 | 3 157 | 5 846 | 5 389 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 8 908 | 3 143 | 5 765 | 4 961 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 11 780 | 7 960 | 2 724 | 5 236 | 3 819 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 837 | 780 | 333 | 447 | 1 057 |
| 1 ROOM | 682 | 351 | 144 | 207 | 331 |
| 2 ROOMS | 501 | 203 | 91 | 112 | 298 |
| 3 ROOMS OR MORE | 654 | 227 | 99 | 128 | 427 |
| NOT REPORTED | 252 | 167 | 86 | 81 | 85 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 95 | 14 | 81 | 428 |
| RENTER OCCUPIED | 4 266 | 3 084 | 1 802 | 1 282 | 1 182 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 3 038 | 1 787 | 1 251 | 1 098 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 409 | 2 590 | 1 482 | 1 108 | 819 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 610 | 371 | 253 | 119 | 239 |
| 1 ROOM | 260 | 182 | 134 | 48 | 78 |
| 2 ROOMS | 169 | 90 | 60 | 30 | 79 |
| 3 ROOMS OR MORE | 181 | 99 | 59 | 41 | 82 |
| NOT REPORTED | 118 | 77 | 52 | 24 | 41 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 46 | 15 | 31 | 84 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | |
| OWNER OCCUPIED | 14 391 | 9 002 | 3 157 | 5 846 | 5 389 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 8 908 | 3 143 | 5 765 | 4 961 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 95 | 14 | 81 | 428 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 389 | 67 | 10 | 57 | 322 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 26 | 3 | - | 3 | 23 |
| NOT REPORTED | 108 | 25 | 4 | 21 | 83 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE C-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT).

| NORTH CENTRAL REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD--CONTINUED | | | | | |
| RENTER OCCUPIED | 4 266 | 3 084 | 1 802 | 1 282 | 1 182 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 3 038 | 1 787 | 1 251 | 1 098 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 46 | 15 | 31 | 84 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 79 | 18 | 5 | 13 | 61 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 22 | 10 | 2 | 9 | 11 |
| NOT REPORTED | 29 | 18 | 8 | 9 | 11 |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 14 072 | 5 944 | 8 127 | 7 493 |
| AIR CONDITIONING | | | | | |
| OWNER OCCUPIED | 15 140 | 9 461 | 3 303 | 6 158 | 5 679 |
| WITH AIR CONDITIONING | 9 216 | 6 101 | 2 131 | 3 970 | 3 115 |
| ROOM UNITS | 4 335 | 2 571 | 1 123 | 1 448 | 1 764 |
| 1 | 2 978 | 1 647 | 663 | 984 | 1 330 |
| 2 | 1 070 | 713 | 350 | 363 | 357 |
| 3 | 223 | 161 | 82 | 79 | 62 |
| 4 | 48 | 38 | 21 | 16 | 11 |
| 5 OR MORE | 17 | 13 | 7 | 6 | 4 |
| CENTRAL SYSTEM | 4 880 | 3 530 | 1 007 | 2 522 | 1 351 |
| WITH NO AIR CONDITIONING | 5 925 | 3 361 | 1 172 | 2 188 | 2 564 |
| RENTER OCCUPIED | 6 424 | 4 610 | 2 641 | 1 969 | 1 814 |
| WITH AIR CONDITIONING | 3 339 | 2 464 | 1 171 | 1 293 | 875 |
| ROOM UNITS | 2 215 | 1 600 | 791 | 809 | 615 |
| 1 | 1 811 | 1 270 | 627 | 643 | 540 |
| 2 | 345 | 284 | 139 | 144 | 62 |
| 3 | 51 | 38 | 19 | 19 | 13 |
| 4 | 7 | 7 | 4 | 3 | - |
| 5 OR MORE | 2 | 2 | 2 | - | - |
| CENTRAL SYSTEM | 1 124 | 864 | 380 | 484 | 260 |
| WITH NO AIR CONDITIONING | 3 085 | 2 146 | 1 470 | 676 | 939 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | |
| OWNER OCCUPIED | 10 485 | 6 754 | 2 162 | 4 593 | 3 730 |
| DRIVES SELF | 7 737 | 5 248 | 1 628 | 3 620 | 2 489 |
| CARPOOL | 1 652 | 1 002 | 300 | 703 | 649 |
| MASS TRANSPORTATION | 263 | 254 | 131 | 123 | 9 |
| BICYCLE, MOTORCYCLE, OR MOPED | 97 | 50 | 19 | 31 | 46 |
| TAXICAB | 4 | 4 | 4 | - | - |
| WALKS ONLY | 266 | 86 | 53 | 33 | 180 |
| OTHER MEANS | 32 | 14 | 2 | 12 | 18 |
| WORKS AT HOME | 435 | 96 | 24 | 71 | 339 |
| RENTER OCCUPIED | 4 059 | 2 929 | 1 535 | 1 394 | 1 130 |
| DRIVES SELF | 2 645 | 1 950 | 896 | 1 055 | 694 |
| CARPOOL | 638 | 415 | 216 | 199 | 223 |
| MASS TRANSPORTATION | 306 | 301 | 251 | 50 | 5 |
| BICYCLE, MOTORCYCLE, OR MOPED | 51 | 34 | 19 | 15 | 17 |
| TAXICAB | 12 | 5 | 5 | - | 6 |
| WALKS ONLY | 264 | 165 | 126 | 40 | 99 |
| OTHER MEANS | 3 | - | - | - | 3 |
| WORKS AT HOME | 141 | 58 | 23 | 36 | 83 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[2] | | | | | |
| OWNER OCCUPIED | 10 485 | 6 754 | 2 162 | 4 593 | 3 730 |
| HOUSEHOLDER DRIVES ALONE | 7 737 | 5 248 | 1 628 | 3 620 | 2 489 |
| IRREGULAR OR UNUSUAL WORK HOURS | 2 385 | 1 652 | 501 | 1 151 | 733 |
| IRREGULAR WORK LOCATION | 578 | 386 | 126 | 260 | 192 |
| CAR NEEDED FOR WORK OR ERRANDS | 1 245 | 857 | 265 | 591 | 389 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 1 972 | 1 337 | 371 | 966 | 635 |
| LIKES PRIVACY | 414 | 296 | 116 | 179 | 119 |
| OUT OF THE WAY TO PICK UP OTHERS | 383 | 230 | 84 | 146 | 153 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 98 | 69 | 21 | 48 | 28 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 167 | 122 | 45 | 77 | 45 |
| DOESN'T TRUST OTHERS DRIVING | 8 | 6 | 2 | 4 | 2 |
| SOME OTHER REASON | 458 | 276 | 94 | 182 | 181 |
| NOT REPORTED | 28 | 17 | 2 | 14 | 11 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 2 748 | 1 506 | 533 | 973 | 1 242 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE C-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1]--CON. | | | | | |
| RENTER OCCUPIED | 4 059 | 2 929 | 1 535 | 1 394 | 1 130 |
| HOUSEHOLDER DRIVES ALONE | 2 645 | 1 950 | 896 | 1 055 | 694 |
| IRREGULAR OR UNUSUAL WORK HOURS | 781 | 570 | 266 | 303 | 211 |
| IRREGULAR WORK LOCATION | 171 | 134 | 48 | 86 | 37 |
| CAR NEEDED FOR WORK OR ERRANDS | 367 | 256 | 125 | 131 | 111 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 744 | 555 | 242 | 313 | 189 |
| LIKES PRIVACY | 160 | 127 | 59 | 69 | 33 |
| OUT OF THE WAY TO PICK UP OTHERS | 146 | 98 | 61 | 37 | 47 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 32 | 29 | 21 | 8 | 3 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 75 | 55 | 20 | 35 | 20 |
| DOESN'T TRUST OTHERS DRIVING | 4 | 4 | 4 | - | - |
| SOME OTHER REASON | 153 | 114 | 47 | 67 | 39 |
| NOT REPORTED | 13 | 9 | 3 | 6 | 3 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 1 415 | 978 | 639 | 339 | 436 |
| DISTANCE FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 10 485 | 6 754 | 2 162 | 4 593 | 3 730 |
| LESS THAN 1 MILE | 776 | 307 | 113 | 194 | 469 |
| 1 TO 4 MILES | 2 275 | 1 340 | 614 | 726 | 935 |
| 5 TO 9 MILES | 2 022 | 1 462 | 586 | 875 | 561 |
| 10 TO 19 MILES | 2 220 | 1 750 | 432 | 1 318 | 470 |
| 20 TO 29 MILES | 901 | 644 | 91 | 552 | 257 |
| 30 TO 49 MILES | 480 | 282 | 34 | 247 | 199 |
| 50 MILES OR MORE | 115 | 56 | 13 | 43 | 59 |
| WORKS AT HOME | 435 | 96 | 24 | 71 | 339 |
| NO FIXED PLACE OF WORK | 1 260 | 819 | 254 | 565 | 441 |
| MEDIAN | 8.3 | 9.3 | 6.8 | 11.4 | 5.6 |
| RENTER OCCUPIED | 4 059 | 2 929 | 1 535 | 1 394 | 1 130 |
| LESS THAN 1 MILE | 524 | 284 | 171 | 113 | 240 |
| 1 TO 4 MILES | 1 082 | 753 | 493 | 259 | 329 |
| 5 TO 9 MILES | 753 | 632 | 348 | 284 | 121 |
| 10 TO 19 MILES | 791 | 664 | 264 | 400 | 127 |
| 20 TO 29 MILES | 235 | 184 | 68 | 116 | 51 |
| 30 TO 49 MILES | 118 | 75 | 27 | 48 | 42 |
| 50 MILES OR MORE | 40 | 18 | 11 | 7 | 22 |
| WORKS AT HOME | 141 | 58 | 23 | 36 | 83 |
| NO FIXED PLACE OF WORK | 376 | 260 | 129 | 131 | 116 |
| MEDIAN | 6.1 | 7.1 | 5.4 | 9.2 | 3.7 |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 10 485 | 6 754 | 2 162 | 4 593 | 3 730 |
| LESS THAN 15 MINUTES | 3 374 | 1 824 | 703 | 1 121 | 1 551 |
| 15 TO 29 MINUTES | 3 336 | 2 480 | 810 | 1 671 | 856 |
| 30 TO 44 MINUTES | 1 304 | 988 | 240 | 748 | 315 |
| 45 TO 59 MINUTES | 490 | 349 | 80 | 269 | 140 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 235 | 169 | 41 | 128 | 66 |
| 1 HOUR AND 30 MINUTES OR MORE | 51 | 29 | 10 | 19 | 22 |
| WORKS AT HOME | 435 | 96 | 24 | 71 | 339 |
| NO FIXED PLACE OF WORK | 1 260 | 819 | 254 | 565 | 441 |
| MEDIAN | 19.6 | 21.6 | 19.4 | 22.7 | 15.0- |
| RENTER OCCUPIED | 4 059 | 2 929 | 1 535 | 1 394 | 1 130 |
| LESS THAN 15 MINUTES | 1 517 | 955 | 513 | 442 | 562 |
| 15 TO 29 MINUTES | 1 310 | 1 061 | 538 | 523 | 249 |
| 30 TO 44 MINUTES | 463 | 398 | 214 | 185 | 65 |
| 45 TO 59 MINUTES | 133 | 97 | 48 | 49 | 36 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 93 | 81 | 60 | 21 | 12 |
| 1 HOUR AND 30 MINUTES OR MORE | 25 | 17 | 10 | 7 | 8 |
| WORKS AT HOME | 141 | 58 | 23 | 36 | 83 |
| NO FIXED PLACE OF WORK | 376 | 260 | 129 | 131 | 116 |
| MEDIAN | 17.9 | 19.9 | 20.0 | 19.9 | 15.0- |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE C-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 21 564 | 1 420 | 3 045 | 1 894 | 3 042 | 2 716 | 2 462 | 3 549 | 2 268 | 861 | 307 | 17500 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OWNER OCCUPIED | 15 140 | 728 | 1 445 | 1 121 | 1 904 | 1 821 | 1 880 | 3 072 | 2 053 | 828 | 289 | 21500 |
| UTILITY GAS | 10 721 | 492 | 997 | 768 | 1 274 | 1 264 | 1 345 | 2 236 | 1 544 | 599 | 202 | 22100 |
| BOTTLED, TANK, OR LP GAS | 1 124 | 68 | 154 | 106 | 193 | 155 | 145 | 169 | 86 | 40 | 9 | 16300 |
| FUEL OIL | 1 689 | 90 | 191 | 158 | 240 | 204 | 219 | 297 | 184 | 74 | 32 | 19100 |
| KEROSENE, ETC | 13 | - | - | - | - | - | 3 | 6 | 4 | - | - | ... |
| ELECTRICITY | 1 357 | 59 | 82 | 75 | 146 | 170 | 146 | 316 | 207 | 110 | 46 | 25000 |
| COAL OR COKE | 34 | 5 | 5 | 4 | 12 | 4 | - | 3 | 2 | - | - | ... |
| WOOD | 193 | 15 | 15 | 11 | 36 | 25 | 20 | 43 | 23 | 5 | - | 19000 |
| SOLAR HEAT | 3 | - | - | - | - | - | - | 1 | 2 | - | - | ... |
| OTHER FUEL | 5 | - | - | - | 2 | - | 2 | - | 1 | - | - | ... |
| NONE | 1 | - | - | - | 1 | - | - | - | - | - | - | ... |
| RENTER OCCUPIED | 6 424 | 692 | 1 601 | 772 | 1 138 | 895 | 583 | 477 | 215 | 34 | 18 | 10600 |
| UTILITY GAS | 4 586 | 523 | 1 130 | 576 | 810 | 653 | 393 | 321 | 143 | 23 | 14 | 10400 |
| BOTTLED, TANK, OR LP GAS | 251 | 22 | 48 | 23 | 46 | 39 | 44 | 17 | 10 | 2 | - | 13500 |
| FUEL OIL | 626 | 42 | 175 | 72 | 108 | 80 | 60 | 62 | 21 | 5 | 2 | 11100 |
| KEROSENE, ETC | - | - | - | - | - | - | - | - | - | - | - | - |
| ELECTRICITY | 854 | 88 | 220 | 83 | 158 | 112 | 79 | 69 | 40 | 5 | 2 | 11200 |
| COAL OR COKE | 18 | 4 | 4 | 4 | 3 | - | - | 2 | 2 | - | - | ... |
| WOOD | 63 | 7 | 13 | 11 | 13 | 11 | 3 | 4 | - | - | - | 10200 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 21 | 7 | 7 | 2 | - | - | 4 | 2 | - | - | - | ... |
| NONE | 5 | - | 3 | 2 | - | - | - | - | - | - | - | ... |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 513 | 1 049 | 851 | 1 386 | 1 435 | 1 523 | 2 633 | 1 783 | 721 | 232 | 22700 |
| ELECTRICITY PAID FOR | 12 115 | 512 | 1 048 | 851 | 1 382 | 1 435 | 1 521 | 2 631 | 1 783 | 721 | 232 | 22700 |
| LESS THAN $10 | 83 | 12 | 35 | 4 | 11 | 17 | 2 | 2 | 2 | - | - | 6400 |
| $10 TO $19 | 732 | 49 | 163 | 108 | 140 | 81 | 83 | 74 | 26 | 9 | - | 11700 |
| $20 TO $29 | 1 998 | 77 | 293 | 237 | 296 | 300 | 250 | 331 | 163 | 41 | 10 | 16600 |
| $30 TO $39 | 2 683 | 104 | 228 | 211 | 337 | 328 | 363 | 616 | 354 | 106 | 36 | 21800 |
| $40 TO $49 | 2 076 | 91 | 116 | 97 | 239 | 214 | 251 | 553 | 358 | 113 | 43 | 25500 |
| $50 TO $59 | 1 721 | 54 | 91 | 79 | 167 | 225 | 249 | 356 | 337 | 132 | 30 | 24900 |
| $60 TO $79 | 1 582 | 58 | 79 | 73 | 122 | 168 | 211 | 383 | 298 | 156 | 33 | 27100 |
| $80 TO $99 | 563 | 32 | 15 | 23 | 37 | 45 | 63 | 150 | 105 | 71 | 23 | 29500 |
| $100 TO $149 | 539 | 22 | 16 | 16 | 25 | 44 | 44 | 136 | 123 | 77 | 35 | 32500 |
| $150 OR MORE | 137 | 12 | 11 | 3 | 8 | 12 | 5 | 30 | 16 | 16 | 22 | 30300 |
| MEDIAN | 42 | 41 | 31 | 33 | 37 | 39 | 42 | 45 | 49 | 56 | 58 | ... |
| NO ELECTRICITY USED | 10 | 2 | 2 | - | 4 | - | 1 | 2 | - | - | - | ... |
| SPECIFIED RENTER OCCUPIED[2] | 6 199 | 667 | 1 567 | 755 | 1 085 | 864 | 558 | 449 | 205 | 32 | 18 | 10500 |
| ELECTRICITY PAID FOR | 5 177 | 487 | 1 155 | 632 | 934 | 798 | 519 | 414 | 193 | 29 | 16 | 11700 |
| LESS THAN $10 | 312 | 37 | 94 | 37 | 54 | 46 | 16 | 13 | 10 | 3 | 2 | 9100 |
| $10 TO $19 | 1 389 | 133 | 383 | 172 | 263 | 201 | 93 | 92 | 38 | 6 | 7 | 10100 |
| $20 TO $29 | 1 315 | 125 | 284 | 189 | 238 | 201 | 123 | 91 | 52 | 7 | 4 | 11300 |
| $30 TO $39 | 940 | 92 | 175 | 113 | 165 | 149 | 125 | 79 | 39 | 4 | - | 12700 |
| $40 TO $49 | 421 | 31 | 71 | 52 | 78 | 72 | 56 | 42 | 14 | 3 | 2 | 13600 |
| $50 TO $59 | 353 | 39 | 68 | 28 | 62 | 48 | 57 | 40 | 10 | 1 | - | 13400 |
| $60 TO $79 | 280 | 20 | 51 | 27 | 41 | 63 | 26 | 33 | 17 | 2 | 2 | 15100 |
| $80 TO $99 | 78 | 5 | 10 | 8 | 11 | 12 | 14 | 12 | 7 | - | - | 17300 |
| $100 TO $149 | 55 | 2 | 13 | 5 | 14 | 5 | 7 | 3 | 5 | - | - | 12700 |
| $150 OR MORE | 33 | 4 | 6 | 2 | 7 | - | 2 | 8 | - | 3 | - | ... |
| MEDIAN | 26 | 25 | 23 | 25 | 26 | 27 | 32 | 31 | 28 | ... | ... | ... |
| INCLUDED IN RENT | 1 003 | 167 | 410 | 122 | 149 | 64 | 39 | 35 | 13 | 3 | 2 | 6300 |
| NO ELECTRICITY USED | 20 | 13 | 2 | 2 | 2 | 2 | - | - | - | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 513 | 1 049 | 851 | 1 386 | 1 435 | 1 523 | 2 633 | 1 783 | 721 | 232 | 22700 |
| GAS PAID FOR | 10 539 | 478 | 940 | 739 | 1 210 | 1 229 | 1 317 | 2 247 | 1 561 | 620 | 198 | 22600 |
| LESS THAN $10 | 175 | 8 | 23 | 21 | 26 | 26 | 20 | 26 | 23 | - | 2 | 16900 |
| $10 TO $14 | 201 | 7 | 33 | 17 | 32 | 36 | 14 | 33 | 22 | 5 | 3 | 16700 |
| $15 TO $19 | 246 | 20 | 32 | 27 | 29 | 30 | 32 | 51 | 24 | 2 | - | 17600 |
| $20 TO $24 | 382 | 22 | 49 | 49 | 45 | 56 | 41 | 57 | 45 | 15 | 4 | 17300 |
| $25 TO $29 | 598 | 19 | 68 | 64 | 77 | 94 | 86 | 110 | 51 | 18 | 11 | 18800 |
| $30 TO $39 | 1 707 | 48 | 159 | 152 | 225 | 216 | 216 | 402 | 198 | 76 | 14 | 21200 |
| $40 TO $49 | 1 978 | 92 | 179 | 122 | 230 | 217 | 233 | 478 | 309 | 97 | 21 | 23200 |
| $50 TO $69 | 3 342 | 166 | 253 | 192 | 342 | 364 | 441 | 738 | 562 | 230 | 54 | 24000 |
| $70 TO $99 | 1 434 | 65 | 100 | 70 | 145 | 150 | 173 | 290 | 261 | 134 | 47 | 25500 |
| $100 OR MORE | 475 | 30 | 43 | 26 | 60 | 41 | 61 | 61 | 67 | 44 | 43 | 23100 |
| MEDIAN | 49 | 53 | 45 | 43 | 47 | 47 | 51 | 46 | 54 | 58 | 66 | ... |
| NO GAS USED | 1 587 | 36 | 110 | 112 | 175 | 205 | 206 | 386 | 222 | 101 | 33 | 23800 |
| SPECIFIED RENTER OCCUPIED[2] | 6 199 | 667 | 1 567 | 755 | 1 085 | 864 | 558 | 449 | 205 | 32 | 18 | 10500 |
| GAS PAID FOR | 3 207 | 313 | 730 | 395 | 566 | 509 | 320 | 249 | 97 | 17 | 11 | 11500 |
| LESS THAN $10 | 366 | 40 | 83 | 43 | 80 | 65 | 19 | 23 | 6 | 4 | 4 | 11100 |
| $10 TO $14 | 285 | 46 | 68 | 38 | 48 | 33 | 24 | 19 | 4 | 2 | 4 | 9300 |
| $15 TO $19 | 251 | 23 | 78 | 34 | 37 | 23 | 30 | 17 | 9 | - | - | 9200 |
| $20 TO $24 | 243 | 22 | 65 | 30 | 46 | 33 | 18 | 24 | 4 | - | - | 10400 |
| $25 TO $29 | 241 | 18 | 56 | 41 | 24 | 56 | 31 | 11 | 3 | - | - | 11000 |
| $30 TO $39 | 496 | 54 | 82 | 51 | 99 | 96 | 56 | 39 | 13 | 5 | - | 13000 |
| $40 TO $49 | 388 | 25 | 81 | 53 | 73 | 64 | 33 | 36 | 21 | 1 | - | 12400 |
| $50 TO $69 | 571 | 57 | 124 | 66 | 102 | 77 | 66 | 54 | 23 | 2 | 2 | 11900 |
| $70 TO $99 | 240 | 19 | 59 | 28 | 39 | 36 | 31 | 17 | 8 | 2 | 2 | 11900 |
| $100 OR MORE | 124 | 9 | 33 | 12 | 17 | 26 | 13 | 8 | 4 | 2 | - | 12300 |
| MEDIAN | 34 | 31 | 32 | 32 | 34 | 34 | 36 | 37 | 44 | ... | ... | ... |
| INCLUDED IN RENT | 2 192 | 286 | 638 | 278 | 373 | 248 | 155 | 127 | 71 | 8 | 7 | 8900 |
| NO GAS USED | 801 | 68 | 199 | 82 | 145 | 107 | 83 | 73 | 38 | 6 | - | 11800 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE C-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 513 | 1 049 | 851 | 1 386 | 1 435 | 1 523 | 2 633 | 1 783 | 721 | 232 | 22700 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 003 | 73 | 182 | 154 | 210 | 211 | 252 | 463 | 284 | 130 | 44 | 23400 |
| LESS THAN $100 | 483 | 21 | 20 | 21 | 35 | 37 | 51 | 136 | 98 | 44 | 20 | 29200 |
| $100 TO $199 | 266 | 10 | 17 | 10 | 23 | 23 | 45 | 67 | 44 | 20 | 8 | 25900 |
| $200 TO $299 | 156 | 6 | 13 | 12 | 24 | 17 | 10 | 31 | 24 | 14 | 5 | 23400 |
| $300 TO $399 | 111 | 3 | 23 | 9 | 14 | 9 | 6 | 23 | 15 | 8 | - | 18500 |
| $400 TO $499 | 120 | 1 | 10 | 14 | 8 | 22 | 21 | 28 | 11 | 6 | - | 21400 |
| $500 TO $599 | 126 | 2 | 13 | 16 | 13 | 25 | 15 | 29 | 10 | 4 | - | 19000 |
| $600 TO $699 | 159 | 5 | 25 | 15 | 14 | 10 | 27 | 38 | 21 | 4 | - | 22000 |
| $700 TO $799 | 133 | 7 | 17 | 13 | 24 | 11 | 25 | 22 | 11 | 1 | 2 | 17300 |
| $800 OR MORE | 448 | 19 | 45 | 45 | 56 | 56 | 52 | 90 | 49 | 28 | 9 | 20400 |
| MEDIAN | 386 | 308 | 567 | 572 | 511 | 485 | 468 | 294 | 198 | 203 | 124 | ... |
| FUELS NOT USED OR FREE | 10 122 | 440 | 867 | 697 | 1 175 | 1 224 | 1 271 | 2 169 | 1 499 | 591 | 186 | 22600 |
| SPECIFIED RENTER OCCUPIED[2] | 6 199 | 667 | 1 567 | 755 | 1 085 | 864 | 558 | 449 | 205 | 32 | 18 | 10500 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 338 | 25 | 79 | 23 | 47 | 54 | 50 | 37 | 19 | 3 | - | 14300 |
| LESS THAN $100 | 61 | 3 | 18 | 1 | 4 | 8 | 15 | 9 | 3 | - | - | 17500 |
| $100 TO $199 | 55 | 3 | 11 | 2 | 11 | 16 | 3 | 1 | 6 | 1 | - | 15000 |
| $200 TO $299 | 27 | 2 | 7 | 4 | 4 | 4 | 2 | 3 | - | - | - | ... |
| $300 TO $399 | 24 | 5 | 4 | 3 | 5 | 2 | 2 | 3 | - | - | - | ... |
| $400 TO $499 | 25 | 5 | 8 | - | 4 | 5 | 3 | - | - | - | - | ... |
| $500 TO $599 | 14 | 2 | 1 | 2 | - | 3 | - | 3 | 2 | 2 | - | ... |
| $600 TO $699 | 23 | 2 | 7 | - | 1 | 7 | 3 | 3 | 1 | - | - | ... |
| $700 TO $799 | 13 | - | 6 | 3 | 2 | - | 2 | - | - | - | - | ... |
| $800 OR MORE | 97 | 4 | 17 | 9 | 15 | 9 | 22 | 14 | 7 | - | - | 17100 |
| MEDIAN | 410 | ... | 381 | ... | 365 | 271 | 648 | 574 | ... | ... | - | ... |
| INCLUDED IN RENT | 561 | 69 | 163 | 75 | 107 | 48 | 34 | 42 | 16 | 5 | 2 | 8900 |
| FUELS NOT USED OR FREE | 5 301 | 572 | 1 324 | 657 | 930 | 763 | 474 | 370 | 170 | 24 | 16 | 10500 |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 1 420 | 3 045 | 1 894 | 3 042 | 2 716 | 2 462 | 3 549 | 2 268 | 861 | 307 | 17500 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| OWNER OCCUPIED | 15 140 | 728 | 1 445 | 1 121 | 1 904 | 1 821 | 1 880 | 3 072 | 2 053 | 828 | 289 | 21500 |
| WARM-AIR FURNACE | 11 586 | 527 | 1 012 | 837 | 1 409 | 1 364 | 1 474 | 2 431 | 1 663 | 641 | 228 | 22200 |
| HEAT PUMP | 208 | 5 | 11 | 3 | 12 | 19 | 11 | 61 | 46 | 29 | 11 | 32000 |
| STEAM OR HOT WATER | 1 304 | 70 | 108 | 80 | 159 | 160 | 163 | 278 | 165 | 92 | 30 | 22300 |
| BUILT-IN ELECTRIC UNITS | 694 | 33 | 46 | 36 | 78 | 103 | 61 | 159 | 96 | 46 | 16 | 23200 |
| FLOOR, WALL, OR PIPELESS FURNACE | 317 | 16 | 75 | 42 | 55 | 41 | 39 | 30 | 18 | 2 | - | 12400 |
| ROOM HEATERS WITH FLUE | 490 | 54 | 138 | 79 | 86 | 54 | 45 | 23 | 7 | 4 | - | 9000 |
| ROOM HEATERS WITHOUT FLUE | 44 | - | 12 | 4 | 10 | 7 | 5 | 4 | 2 | - | - | 13000 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 497 | 23 | 42 | 41 | 94 | 74 | 62 | 87 | 56 | 13 | 5 | 18300 |
| NONE | 1 | - | - | - | 1 | - | - | - | - | - | - | ... |
| RENTER OCCUPIED | 6 424 | 692 | 1 601 | 772 | 1 138 | 895 | 583 | 477 | 215 | 34 | 18 | 10600 |
| WARM-AIR FURNACE | 3 399 | 318 | 783 | 417 | 594 | 488 | 349 | 299 | 126 | 23 | 2 | 11500 |
| HEAT PUMP | 30 | 2 | 8 | 3 | 2 | 4 | 3 | 5 | 2 | 2 | - | ... |
| STEAM OR HOT WATER | 1 642 | 200 | 432 | 200 | 293 | 219 | 128 | 97 | 53 | 7 | 14 | 9800 |
| BUILT-IN ELECTRIC UNITS | 556 | 58 | 152 | 51 | 113 | 64 | 54 | 40 | 22 | - | 2 | 10800 |
| FLOOR, WALL, OR PIPELESS FURNACE | 206 | 28 | 52 | 29 | 41 | 28 | 10 | 8 | 8 | 2 | - | 9400 |
| ROOM HEATERS WITH FLUE | 418 | 69 | 133 | 52 | 59 | 62 | 24 | 12 | 5 | 1 | - | 7400 |
| ROOM HEATERS WITHOUT FLUE | 42 | 5 | 14 | 3 | 7 | 5 | 3 | 6 | - | - | - | 9500 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 126 | 12 | 22 | 16 | 29 | 25 | 11 | 10 | - | - | - | 12100 |
| NONE | 5 | - | 3 | 2 | - | - | - | - | - | - | - | ... |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 1 420 | 3 045 | 1 894 | 3 042 | 2 716 | 2 462 | 3 549 | 2 268 | 861 | 307 | 17500 |
| UNITS OCCUPIED LAST WINTER | 18 657 | 1 100 | 2 519 | 1 591 | 2 523 | 2 311 | 2 192 | 3 228 | 2 097 | 814 | 283 | 18500 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| OWNER OCCUPIED | 14 391 | 706 | 1 397 | 1 073 | 1 807 | 1 709 | 1 778 | 2 907 | 1 954 | 790 | 271 | 21400 |
| WITH HEATING EQUIPMENT | 14 390 | 706 | 1 397 | 1 073 | 1 806 | 1 709 | 1 778 | 2 907 | 1 954 | 790 | 271 | 21400 |
| NO ROOMS CLOSED | 13 792 | 642 | 1 263 | 1 018 | 1 716 | 1 643 | 1 726 | 2 844 | 1 901 | 776 | 262 | 21800 |
| CLOSED CERTAIN ROOMS | 389 | 28 | 102 | 44 | 61 | 47 | 39 | 35 | 24 | 9 | 2 | 11700 |
| LIVING ROOM ONLY | 17 | 2 | 4 | 3 | 2 | 1 | 4 | 1 | - | - | - | ... |
| DINING ROOM ONLY | 3 | - | - | - | - | 3 | - | - | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 269 | 22 | 77 | 24 | 50 | 32 | 23 | 20 | 15 | 6 | 1 | 11100 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 92 | 4 | 19 | 14 | 9 | 10 | 10 | 14 | 9 | 3 | 1 | 15300 |
| NOT REPORTED | 7 | - | 4 | 2 | - | - | 2 | - | - | - | - | ... |
| NOT REPORTED | 209 | 36 | 31 | 12 | 29 | 19 | 13 | 28 | 30 | 5 | 7 | 14600 |
| NO HEATING EQUIPMENT | 1 | - | - | - | 1 | - | - | - | - | - | - | ... |
| RENTER OCCUPIED | 4 266 | 394 | 1 123 | 518 | 716 | 602 | 414 | 321 | 142 | 24 | 12 | 10700 |
| WITH HEATING EQUIPMENT | 4 262 | 394 | 1 121 | 516 | 716 | 602 | 414 | 321 | 142 | 24 | 12 | 10700 |
| NO ROOMS CLOSED | 3 952 | 361 | 1 029 | 473 | 660 | 572 | 384 | 301 | 137 | 24 | 11 | 10900 |
| CLOSED CERTAIN ROOMS | 230 | 20 | 73 | 36 | 37 | 22 | 20 | 15 | 5 | - | 2 | 8800 |
| LIVING ROOM ONLY | 13 | - | 8 | 3 | - | - | - | 2 | - | - | - | ... |
| DINING ROOM ONLY | 2 | - | - | - | 2 | - | - | - | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 147 | 17 | 44 | 24 | 23 | 9 | 15 | 8 | 5 | - | 2 | 8600 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 64 | 3 | 21 | 9 | 8 | 12 | 6 | 5 | - | - | - | 9600 |
| NOT REPORTED | 5 | - | - | - | 3 | 2 | - | - | - | - | - | ... |
| NOT REPORTED | 80 | 13 | 19 | 7 | 19 | 7 | 9 | 5 | - | - | - | 10300 |
| NO HEATING EQUIPMENT | 3 | - | 2 | 2 | - | - | - | - | - | - | - | ... |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE C-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| OWNER OCCUPIED | 14 391 | 706 | 1 397 | 1 073 | 1 807 | 1 709 | 1 778 | 2 907 | 1 954 | 790 | 271 | 21400 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 683 | 1 342 | 1 029 | 1 709 | 1 629 | 1 718 | 2 816 | 1 899 | 777 | 266 | 21600 |
| NO ADDITIONAL HEAT SOURCE USED | 12 865 | 619 | 1 210 | 974 | 1 607 | 1 491 | 1 589 | 2 629 | 1 774 | 719 | 253 | 21700 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 749 | 34 | 98 | 34 | 69 | 114 | 98 | 144 | 96 | 53 | 8 | 21300 |
| NOT REPORTED | 255 | 30 | 34 | 21 | 33 | 24 | 31 | 42 | 30 | 5 | 5 | 17000 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 23 | 55 | 44 | 98 | 80 | 60 | 91 | 55 | 13 | 5 | 17600 |
| RENTER OCCUPIED | 4 266 | 394 | 1 123 | 518 | 716 | 602 | 414 | 321 | 142 | 24 | 12 | 10700 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 379 | 1 095 | 504 | 690 | 581 | 402 | 308 | 142 | 24 | 12 | 10700 |
| NO ADDITIONAL HEAT SOURCE USED | 3 523 | 313 | 897 | 428 | 599 | 510 | 345 | 270 | 131 | 21 | 7 | 11000 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 506 | 56 | 170 | 69 | 71 | 66 | 40 | 18 | 10 | 3 | 6 | 8200 |
| NOT REPORTED | 107 | 10 | 28 | 7 | 19 | 5 | 16 | 19 | 2 | - | - | 12200 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 15 | 28 | 14 | 26 | 21 | 12 | 13 | - | - | - | 11500 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| OWNER OCCUPIED | 14 391 | 706 | 1 397 | 1 073 | 1 807 | 1 709 | 1 778 | 2 907 | 1 954 | 790 | 271 | 21400 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 683 | 1 342 | 1 029 | 1 709 | 1 629 | 1 718 | 2 816 | 1 899 | 777 | 266 | 21600 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 11 780 | 571 | 1 004 | 825 | 1 385 | 1 357 | 1 476 | 2 490 | 1 706 | 717 | 250 | 22500 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 837 | 88 | 307 | 184 | 288 | 250 | 214 | 276 | 163 | 55 | 13 | 16000 |
| 1 ROOM | 682 | 30 | 78 | 63 | 79 | 103 | 97 | 122 | 78 | 24 | 9 | 19500 |
| 2 ROOMS | 501 | 23 | 84 | 43 | 80 | 70 | 55 | 77 | 48 | 17 | 4 | 16400 |
| 3 ROOMS OR MORE | 654 | 35 | 145 | 78 | 130 | 78 | 62 | 76 | 37 | 14 | - | 12700 |
| NOT REPORTED | 252 | 24 | 32 | 20 | 35 | 22 | 29 | 51 | 29 | 5 | 4 | 18200 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 23 | 55 | 44 | 98 | 80 | 60 | 91 | 55 | 13 | 5 | 17600 |
| RENTER OCCUPIED | 4 266 | 394 | 1 123 | 518 | 716 | 602 | 414 | 321 | 142 | 24 | 12 | 10700 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 379 | 1 095 | 504 | 690 | 581 | 402 | 308 | 142 | 24 | 12 | 10700 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 409 | 306 | 904 | 410 | 551 | 492 | 336 | 249 | 128 | 22 | 9 | 10800 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 610 | 56 | 157 | 87 | 118 | 84 | 51 | 41 | 12 | 2 | 3 | 10200 |
| 1 ROOM | 260 | 22 | 60 | 47 | 48 | 36 | 29 | 14 | 6 | - | - | 10200 |
| 2 ROOMS | 169 | 22 | 45 | 20 | 26 | 22 | 14 | 16 | 2 | 2 | - | 9600 |
| 3 ROOMS OR MORE | 181 | 13 | 52 | 20 | 44 | 26 | 8 | 10 | 5 | - | 3 | 10700 |
| NOT REPORTED | 118 | 17 | 34 | 7 | 21 | 5 | 15 | 18 | 2 | - | - | 10400 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 15 | 28 | 14 | 26 | 21 | 12 | 13 | - | - | - | 11500 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| OWNER OCCUPIED | 14 391 | 706 | 1 397 | 1 073 | 1 807 | 1 709 | 1 778 | 2 907 | 1 954 | 790 | 271 | 21400 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 683 | 1 342 | 1 029 | 1 709 | 1 629 | 1 718 | 2 816 | 1 899 | 777 | 266 | 21600 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 23 | 55 | 44 | 98 | 80 | 60 | 91 | 55 | 13 | 5 | 17600 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 389 | 15 | 44 | 32 | 68 | 67 | 42 | 69 | 41 | 9 | 3 | 17700 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 26 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 2 | - | - | ... |
| NOT REPORTED | 108 | 4 | 9 | 9 | 26 | 9 | 14 | 19 | 13 | 4 | 2 | 18600 |
| RENTER OCCUPIED | 4 266 | 394 | 1 123 | 518 | 716 | 602 | 414 | 321 | 142 | 24 | 12 | 10700 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 379 | 1 095 | 504 | 690 | 581 | 402 | 308 | 142 | 24 | 12 | 10700 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 15 | 28 | 14 | 26 | 21 | 12 | 13 | - | - | - | 11500 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 79 | 8 | 16 | 10 | 20 | 12 | 3 | 10 | - | - | - | 11300 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 22 | 3 | 5 | 2 | 2 | 3 | 5 | 2 | - | - | - | ... |
| NOT REPORTED | 29 | 3 | 7 | 3 | 4 | 6 | 4 | 2 | - | - | - | ... |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 1 420 | 3 045 | 1 894 | 3 042 | 2 716 | 2 462 | 3 549 | 2 268 | 861 | 307 | 17500 |
| AIR CONDITIONING | | | | | | | | | | | | |
| OWNER OCCUPIED | 15 140 | 728 | 1 445 | 1 121 | 1 904 | 1 821 | 1 880 | 3 072 | 2 053 | 828 | 289 | 21500 |
| WITH AIR CONDITIONING | 9 216 | 455 | 682 | 592 | 1 068 | 1 060 | 1 081 | 1 992 | 1 425 | 626 | 235 | 23500 |
| ROOM UNITS | 4 335 | 199 | 425 | 364 | 614 | 580 | 573 | 877 | 492 | 169 | 41 | 19900 |
| 1 | 2 978 | 137 | 333 | 276 | 439 | 406 | 381 | 582 | 287 | 107 | 28 | 18700 |
| 2 | 1 070 | 44 | 74 | 74 | 142 | 152 | 168 | 233 | 146 | 32 | 6 | 21500 |
| 3 | 223 | 15 | 14 | 12 | 30 | 17 | 25 | 43 | 42 | 18 | 6 | 24600 |
| 4 | 48 | 4 | 3 | - | 2 | 4 | - | 15 | 13 | 5 | 2 | 32400 |
| 5 OR MORE | 17 | - | - | 2 | 2 | - | - | 4 | 4 | 6 | - | ... |
| CENTRAL SYSTEM | 4 880 | 256 | 257 | 228 | 455 | 480 | 507 | 1 114 | 932 | 457 | 194 | 27300 |
| WITH NO AIR CONDITIONING | 5 925 | 273 | 763 | 530 | 835 | 761 | 799 | 1 081 | 628 | 202 | 54 | 18700 |
| RENTER OCCUPIED | 6 424 | 692 | 1 601 | 772 | 1 138 | 895 | 583 | 477 | 215 | 34 | 18 | 10600 |
| WITH AIR CONDITIONING | 3 339 | 278 | 645 | 408 | 622 | 509 | 369 | 330 | 149 | 23 | 7 | 12700 |
| ROOM UNITS | 2 215 | 196 | 437 | 289 | 433 | 347 | 216 | 196 | 85 | 13 | 5 | 12200 |
| 1 | 1 811 | 168 | 401 | 252 | 357 | 268 | 152 | 142 | 60 | 6 | 5 | 11200 |
| 2 | 345 | 24 | 34 | 27 | 69 | 67 | 56 | 46 | 18 | 5 | - | 16400 |
| 3 | 51 | 3 | - | 10 | 7 | 10 | 5 | 8 | 6 | 2 | - | 17700 |
| 4 | 7 | - | 2 | - | - | 2 | 2 | - | 2 | - | - | ... |
| 5 OR MORE | 2 | - | - | - | - | - | 2 | - | - | - | - | ... |
| CENTRAL SYSTEM | 1 124 | 82 | 209 | 119 | 189 | 162 | 153 | 134 | 64 | 10 | 2 | 14000 |
| WITH NO AIR CONDITIONING | 3 085 | 414 | 955 | 365 | 516 | 387 | 214 | 147 | 66 | 11 | 11 | 8400 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 485 | 478 | 354 | 348 | 917 | 1 270 | 1 530 | 2 712 | 1 862 | 757 | 257 | 26300 |
| DRIVES SELF | 7 737 | 310 | 220 | 233 | 646 | 912 | 1 151 | 2 069 | 1 385 | 605 | 204 | 26900 |
| CARPOOL | 1 652 | 57 | 43 | 45 | 129 | 222 | 248 | 442 | 345 | 96 | 24 | 26900 |
| MASS TRANSPORTATION | 263 | 24 | 12 | 10 | 26 | 24 | 30 | 53 | 56 | 19 | 9 | 26000 |
| BICYCLE, MOTORCYCLE, OR MOPED | 97 | - | 4 | - | 11 | 13 | 15 | 34 | 13 | 7 | - | 26700 |
| TAXICAB | 4 | - | 2 | - | - | 2 | - | - | - | - | - | ... |
| WALKS ONLY | 266 | 22 | 11 | 13 | 24 | 48 | 48 | 51 | 26 | 15 | 10 | 21700 |
| OTHER MEANS | 32 | - | 2 | - | - | - | 7 | 19 | 4 | - | - | ... |
| WORKS AT HOME | 435 | 64 | 61 | 47 | 80 | 49 | 31 | 44 | 33 | 14 | 11 | 12800 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE C-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[1]--CONTINUED | | | | | | | | | | | | |
| RENTER OCCUPIED | 4 059 | 287 | 463 | 442 | 896 | 768 | 525 | 436 | 197 | 29 | 16 | 14700 |
| DRIVES SELF | 2 645 | 176 | 255 | 245 | 582 | 529 | 368 | 314 | 153 | 19 | 3 | 15600 |
| CARPOOL | 638 | 27 | 75 | 83 | 159 | 98 | 97 | 68 | 24 | 5 | 3 | 14200 |
| MASS TRANSPORTATION | 306 | 25 | 47 | 50 | 59 | 63 | 20 | 25 | 5 | 3 | 7 | 12500 |
| BICYCLE, MOTORCYCLE, OR MOPED | 51 | 3 | 8 | 3 | 6 | 14 | 9 | 3 | 2 | - | 2 | 16900 |
| TAXICAB | 12 | 2 | 5 | - | 5 | - | - | - | - | - | - | ... |
| WALKS ONLY | 264 | 38 | 40 | 45 | 65 | 41 | 19 | 8 | 6 | - | - | 10600 |
| OTHER MEANS | 3 | - | - | 2 | - | - | - | 2 | - | - | - | ... |
| WORKS AT HOME | 141 | 15 | 33 | 15 | 19 | 23 | 12 | 16 | 7 | 2 | - | 12000 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 485 | 478 | 354 | 348 | 917 | 1 270 | 1 530 | 2 712 | 1 862 | 757 | 257 | 26300 |
| HOUSEHOLDER DRIVES ALONE | 7 737 | 310 | 220 | 233 | 646 | 912 | 1 151 | 2 069 | 1 385 | 605 | 204 | 26900 |
| IRREGULAR OR UNUSUAL WORK HOURS | 2 385 | 74 | 73 | 80 | 142 | 256 | 353 | 667 | 487 | 177 | 76 | 28200 |
| IRREGULAR WORK LOCATION | 578 | 16 | 16 | 16 | 35 | 63 | 77 | 169 | 117 | 56 | 14 | 28900 |
| CAR NEEDED FOR WORK OR ERRANDS | 1 245 | 75 | 31 | 28 | 86 | 130 | 135 | 336 | 220 | 147 | 58 | 29100 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 1 972 | 89 | 67 | 72 | 232 | 249 | 355 | 467 | 304 | 115 | 23 | 23900 |
| LIKES PRIVACY | 414 | 18 | 14 | 5 | 32 | 48 | 81 | 111 | 68 | 23 | 15 | 25800 |
| OUT OF THE WAY TO PICK UP OTHERS | 383 | 13 | 3 | 16 | 36 | 62 | 44 | 102 | 77 | 22 | 8 | 26700 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 98 | - | 5 | - | 16 | 13 | 17 | 34 | 8 | 5 | - | 24500 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 167 | 7 | 2 | - | 8 | 19 | 28 | 58 | 30 | 14 | - | 28200 |
| DOESN'T TRUST OTHERS DRIVING | 8 | - | - | - | 2 | - | - | 4 | 2 | - | - | ... |
| SOME OTHER REASON | 458 | 16 | 9 | 14 | 55 | 68 | 58 | 111 | 73 | 45 | 8 | 25700 |
| NOT REPORTED | 28 | 2 | - | 2 | 2 | 5 | 3 | 10 | - | 2 | 2 | ... |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 2 748 | 167 | 134 | 114 | 271 | 358 | 379 | 643 | 477 | 151 | 53 | 24300 |
| RENTER OCCUPIED | 4 059 | 287 | 463 | 442 | 896 | 768 | 525 | 436 | 197 | 29 | 16 | 14700 |
| HOUSEHOLDER DRIVES ALONE | 2 645 | 176 | 255 | 245 | 582 | 529 | 368 | 314 | 153 | 19 | 3 | 15600 |
| IRREGULAR OR UNUSUAL WORK HOURS | 781 | 48 | 81 | 74 | 150 | 155 | 112 | 106 | 47 | 6 | 2 | 16200 |
| IRREGULAR WORK LOCATION | 171 | 21 | 10 | 5 | 33 | 43 | 20 | 24 | 13 | 1 | - | 16800 |
| CAR NEEDED FOR WORK OR ERRANDS | 367 | 18 | 20 | 37 | 86 | 75 | 53 | 52 | 20 | 7 | - | 16500 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 744 | 54 | 77 | 84 | 187 | 147 | 90 | 67 | 32 | 5 | 2 | 14200 |
| LIKES PRIVACY | 160 | 11 | 13 | 7 | 33 | 31 | 31 | 17 | 17 | - | - | 17600 |
| OUT OF THE WAY TO PICK UP OTHERS | 146 | 8 | 20 | 15 | 21 | 27 | 30 | 22 | 3 | - | - | 16700 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 32 | - | 2 | 7 | 15 | 4 | - | - | 5 | - | - | ... |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 75 | 3 | 3 | 7 | 20 | 21 | 7 | 8 | 7 | - | - | 16100 |
| DOESN'T TRUST OTHERS DRIVING | 4 | - | - | - | 2 | - | 2 | - | - | - | - | ... |
| SOME OTHER REASON | 153 | 9 | 27 | 10 | 37 | 23 | 23 | 17 | 5 | - | - | 14000 |
| NOT REPORTED | 13 | 3 | 2 | - | - | 3 | - | 2 | 3 | - | - | ... |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 1 415 | 111 | 209 | 198 | 313 | 239 | 157 | 122 | 44 | 10 | 12 | 13000 |
| DISTANCE FROM HOME TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 485 | 478 | 354 | 348 | 917 | 1 270 | 1 530 | 2 712 | 1 862 | 757 | 257 | 26300 |
| LESS THAN 1 MILE | 776 | 47 | 37 | 30 | 100 | 114 | 113 | 182 | 93 | 39 | 22 | 22700 |
| 1 TO 4 MILES | 2 275 | 99 | 84 | 74 | 218 | 307 | 397 | 563 | 344 | 131 | 39 | 24500 |
| 5 TO 9 MILES | 2 022 | 91 | 46 | 61 | 200 | 266 | 280 | 504 | 421 | 111 | 45 | 26400 |
| 10 TO 19 MILES | 2 220 | 65 | 56 | 49 | 150 | 228 | 334 | 635 | 436 | 211 | 55 | 28600 |
| 20 TO 29 MILES | 901 | 32 | 27 | 18 | 56 | 91 | 127 | 294 | 152 | 77 | 26 | 28400 |
| 30 TO 49 MILES | 480 | 11 | 5 | 19 | 25 | 67 | 86 | 110 | 116 | 31 | 10 | 27500 |
| 50 MILES OR MORE | 115 | 7 | 2 | 3 | 10 | 9 | 15 | 35 | 20 | 6 | 7 | 28000 |
| WORKS AT HOME | 435 | 64 | 61 | 47 | 80 | 49 | 31 | 44 | 33 | 14 | 11 | 12800 |
| NO FIXED PLACE OF WORK | 1 260 | 62 | 37 | 46 | 78 | 140 | 146 | 325 | 247 | 135 | 44 | 28700 |
| MEDIAN | 8.3 | 6.7 | 5.8 | 6.9 | 6.5 | 7.3 | 8.0 | 9.0 | 9.2 | 11.0 | 9.6 | ... |
| RENTER OCCUPIED | 4 059 | 287 | 463 | 442 | 896 | 768 | 525 | 436 | 197 | 29 | 16 | 14700 |
| LESS THAN 1 MILE | 524 | 53 | 78 | 80 | 122 | 85 | 55 | 35 | 14 | - | 2 | 12100 |
| 1 TO 4 MILES | 1 082 | 69 | 146 | 134 | 252 | 221 | 122 | 94 | 37 | 3 | 2 | 13800 |
| 5 TO 9 MILES | 753 | 43 | 73 | 75 | 165 | 171 | 96 | 77 | 35 | 9 | 9 | 15600 |
| 10 TO 19 MILES | 791 | 33 | 58 | 75 | 195 | 147 | 117 | 98 | 57 | 8 | 2 | 16200 |
| 20 TO 29 MILES | 235 | 10 | 21 | 24 | 55 | 32 | 34 | 38 | 17 | 2 | 2 | 16200 |
| 30 TO 49 MILES | 118 | 12 | 10 | 10 | 23 | 8 | 25 | 23 | 4 | 3 | - | 17300 |
| 50 MILES OR MORE | 40 | 5 | - | 3 | 5 | 5 | 7 | 11 | 3 | - | - | 21000 |
| WORKS AT HOME | 141 | 15 | 33 | 15 | 19 | 23 | 12 | 16 | 7 | 2 | - | 12000 |
| NO FIXED PLACE OF WORK | 376 | 47 | 43 | 25 | 60 | 76 | 57 | 44 | 21 | 3 | - | 15800 |
| MEDIAN | 6.1 | 4.4 | 4.1 | 4.6 | 6.0 | 5.8 | 7.6 | 8.8 | 9.6 | ... | ... | ... |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 10 485 | 478 | 354 | 348 | 917 | 1 270 | 1 530 | 2 712 | 1 862 | 757 | 257 | 26300 |
| LESS THAN 15 MINUTES | 3 374 | 141 | 118 | 103 | 334 | 487 | 538 | 854 | 520 | 199 | 81 | 24700 |
| 15 TO 29 MINUTES | 3 336 | 111 | 96 | 91 | 290 | 360 | 519 | 938 | 629 | 237 | 66 | 27200 |
| 30 TO 44 MINUTES | 1 304 | 70 | 19 | 27 | 92 | 133 | 192 | 349 | 267 | 120 | 35 | 28400 |
| 45 TO 59 MINUTES | 490 | 11 | 9 | 21 | 21 | 71 | 70 | 140 | 107 | 29 | 10 | 28000 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 235 | 17 | 10 | 10 | 16 | 24 | 28 | 48 | 54 | 19 | 7 | 27400 |
| 1 HOUR AND 30 MINUTES OR MORE | 51 | 1 | 4 | 4 | 5 | 7 | 7 | 14 | 4 | 2 | 3 | 23600 |
| WORKS AT HOME | 435 | 64 | 61 | 47 | 80 | 49 | 31 | 44 | 33 | 14 | 11 | 12800 |
| NO FIXED PLACE OF WORK | 1 260 | 62 | 37 | 46 | 78 | 140 | 146 | 325 | 247 | 135 | 44 | 28700 |
| MEDIAN | 19.6 | 19.7 | 16.6 | 19.1 | 17.3 | 17.3 | 19.0 | 20.1 | 21.4 | 21.6 | 19.5 | ... |
| RENTER OCCUPIED | 4 059 | 287 | 463 | 442 | 896 | 768 | 525 | 436 | 197 | 29 | 16 | 14700 |
| LESS THAN 15 MINUTES | 1 517 | 102 | 184 | 186 | 355 | 296 | 182 | 137 | 63 | 9 | 3 | 14000 |
| 15 TO 29 MINUTES | 1 310 | 77 | 136 | 144 | 303 | 254 | 174 | 136 | 72 | 9 | 5 | 14900 |
| 30 TO 44 MINUTES | 463 | 19 | 43 | 52 | 110 | 79 | 67 | 62 | 23 | 5 | 3 | 15500 |
| 45 TO 59 MINUTES | 133 | 16 | 11 | 9 | 30 | 19 | 18 | 22 | 6 | 2 | - | 15200 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 93 | 12 | 8 | 8 | 17 | 16 | 10 | 14 | 3 | 1 | 4 | 15400 |
| 1 HOUR AND 30 MINUTES OR MORE | 25 | - | 3 | 3 | 2 | 5 | 5 | 5 | 2 | - | - | ... |
| WORKS AT HOME | 141 | 15 | 33 | 15 | 19 | 23 | 12 | 16 | 7 | 2 | - | 12000 |
| NO FIXED PLACE OF WORK | 376 | 47 | 43 | 25 | 60 | 76 | 57 | 44 | 21 | 3 | - | 15800 |
| MEDIAN | 17.9 | 17.0 | 16.0 | 16.6 | 17.6 | 17.3 | 18.9 | 20.6 | 19.5 | ... | ... | ... |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE C-3. VALUE OF OWNER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | LESS THAN $10,000 | $10,000 TO <$19,999 | $20,000 TO $29,999 | $30,000 TO $39,999 | $40,000 TO $49,999 | $50,000 TO $59,999 | $60,000 TO $74,999 | $75,000 TO $99,999 | $100,000 TO $199,999 | $200,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 190 | 644 | 1 283 | 1 851 | 1 996 | 1 655 | 2 001 | 1 590 | 805 | 109 | 50600 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| UTILITY GAS | 9 334 | 118 | 480 | 984 | 1 445 | 1 541 | 1 322 | 1 544 | 1 169 | 655 | 74 | 50700 |
| BOTTLED, TANK, OR LP GAS | 532 | 35 | 60 | 67 | 99 | 87 | 66 | 62 | 45 | 13 | - | 40700 |
| FUEL OIL | 1 136 | 18 | 66 | 141 | 206 | 207 | 134 | 181 | 114 | 55 | 14 | 46600 |
| KEROSENE, ETC | 10 | - | - | 1 | 5 | 4 | - | - | - | - | - | ... |
| ELECTRICITY | 965 | 3 | 21 | 70 | 75 | 143 | 118 | 192 | 243 | 78 | 22 | 64000 |
| COAL OR COKE | 19 | - | 3 | 5 | 4 | 2 | - | 2 | 4 | - | - | ... |
| WOOD | 125 | 15 | 13 | 14 | 18 | 13 | 14 | 20 | 15 | 2 | - | 41400 |
| SOLAR HEAT | 3 | - | - | - | - | - | - | - | 1 | 2 | - | ... |
| OTHER FUEL | 1 | - | - | - | - | - | - | - | - | 1 | - | ... |
| NONE | 1 | - | 1 | - | - | - | - | - | - | - | - | ... |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| ELECTRICITY PAID FOR | 12 115 | 188 | 644 | 1 282 | 1 850 | 1 996 | 1 653 | 2 001 | 1 587 | 805 | 109 | 50600 |
| LESS THAN $10 | 83 | 11 | 17 | 18 | 3 | 13 | 14 | 3 | 2 | 2 | - | 27500 |
| $10 TO $19 | 732 | 32 | 86 | 170 | 154 | 120 | 75 | 61 | 21 | 11 | 2 | 35000 |
| $20 TO $29 | 1 998 | 44 | 182 | 336 | 419 | 339 | 239 | 256 | 140 | 39 | 2 | 40500 |
| $30 TO $39 | 2 683 | 41 | 137 | 311 | 456 | 520 | 391 | 474 | 267 | 83 | 4 | 47600 |
| $40 TO $49 | 2 076 | 32 | 87 | 187 | 313 | 384 | 346 | 351 | 258 | 113 | 5 | 51000 |
| $50 TO $59 | 1 721 | 9 | 57 | 128 | 233 | 279 | 237 | 336 | 293 | 134 | 14 | 56500 |
| $60 TO $79 | 1 582 | 7 | 51 | 83 | 188 | 216 | 224 | 286 | 311 | 195 | 21 | 61100 |
| $80 TO $99 | 563 | 5 | 13 | 20 | 48 | 60 | 72 | 111 | 125 | 95 | 14 | 66600 |
| $100 TO $149 | 539 | 6 | 9 | 23 | 33 | 56 | 47 | 96 | 134 | 112 | 23 | 75000 |
| $150 OR MORE | 137 | - | 4 | 5 | 2 | 10 | 8 | 27 | 35 | 23 | 24 | 84700 |
| MEDIAN | 42 | 31 | 32 | 33 | 37 | 40 | 43 | 45 | 53 | 62 | 89 | ... |
| NO ELECTRICITY USED | 10 | 2 | - | 2 | 2 | - | 2 | - | 3 | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| GAS PAID FOR | 10 539 | 176 | 587 | 1 153 | 1 648 | 1 714 | 1 471 | 1 717 | 1 283 | 703 | 87 | 50000 |
| LESS THAN $10 | 175 | 10 | 20 | 24 | 24 | 31 | 19 | 24 | 19 | 5 | - | 43100 |
| $10 TO $14 | 201 | 4 | 18 | 44 | 38 | 18 | 32 | 27 | 9 | 8 | 4 | 39200 |
| $15 TO $19 | 246 | 12 | 31 | 45 | 43 | 41 | 27 | 27 | 19 | 2 | - | 38100 |
| $20 TO $24 | 382 | 11 | 27 | 40 | 86 | 82 | 53 | 55 | 22 | 6 | - | 43300 |
| $25 TO $29 | 598 | 28 | 36 | 87 | 126 | 123 | 75 | 77 | 32 | 14 | - | 41800 |
| $30 TO $39 | 1 707 | 27 | 103 | 225 | 307 | 304 | 248 | 300 | 143 | 49 | 2 | 46300 |
| $40 TO $49 | 1 978 | 29 | 94 | 169 | 307 | 370 | 334 | 328 | 236 | 110 | 2 | 50600 |
| $50 TO $69 | 3 342 | 31 | 154 | 322 | 469 | 520 | 459 | 636 | 479 | 251 | 23 | 53900 |
| $70 TO $99 | 1 434 | 18 | 76 | 159 | 198 | 173 | 167 | 203 | 246 | 165 | 28 | 55600 |
| $100 OR MORE | 475 | 6 | 29 | 39 | 50 | 52 | 58 | 41 | 78 | 93 | 28 | 61100 |
| MEDIAN | 49 | 38 | 46 | 46 | 46 | 46 | 48 | 51 | 56 | 62 | 84 | ... |
| NO GAS USED | 1 587 | 14 | 57 | 131 | 203 | 282 | 184 | 284 | 307 | 102 | 22 | 55800 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 003 | 26 | 107 | 195 | 293 | 321 | 234 | 344 | 280 | 175 | 28 | 52600 |
| LESS THAN $100 | 483 | 3 | 11 | 19 | 42 | 58 | 56 | 125 | 99 | 61 | 8 | 66300 |
| $100 TO $199 | 266 | 4 | 9 | 29 | 18 | 38 | 43 | 35 | 41 | 41 | 9 | 58200 |
| $200 TO $299 | 156 | 2 | 15 | 20 | 17 | 16 | 16 | 29 | 22 | 18 | 2 | 55200 |
| $300 TO $399 | 111 | 5 | 9 | 14 | 19 | 13 | 12 | 15 | 16 | 7 | - | 46100 |
| $400 TO $499 | 120 | 4 | 6 | 22 | 18 | 32 | 9 | 17 | 6 | 7 | - | 43100 |
| $500 TO $599 | 126 | - | 10 | 8 | 30 | 28 | 16 | 24 | 7 | 2 | 2 | 45500 |
| $600 TO $699 | 159 | 2 | 8 | 34 | 24 | 37 | 15 | 19 | 15 | 5 | - | 43000 |
| $700 TO $799 | 133 | 4 | 9 | 9 | 31 | 23 | 25 | 18 | 8 | 3 | 4 | 46000 |
| $800 OR MORE | 448 | 4 | 28 | 39 | 96 | 74 | 42 | 63 | 68 | 31 | 3 | 47700 |
| MEDIAN | 386 | ... | 526 | 469 | 616 | 508 | 315 | 243 | 201 | 163 | ... | ... |
| FUELS NOT USED OR FREE | 10 122 | 163 | 537 | 1 089 | 1 558 | 1 675 | 1 421 | 1 657 | 1 310 | 630 | 81 | 50300 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 9 651 | 80 | 393 | 970 | 1 529 | 1 698 | 1 421 | 1 618 | 1 204 | 654 | 86 | 51100 |
| HEAT PUMP | 177 | - | - | 7 | 1 | 18 | 17 | 21 | 74 | 35 | 3 | 83100 |
| STEAM OR HOT WATER | 917 | 1 | 28 | 56 | 116 | 109 | 117 | 196 | 188 | 95 | 12 | 62500 |
| BUILT-IN ELECTRIC UNITS | 481 | - | 15 | 45 | 52 | 95 | 56 | 101 | 95 | 15 | 6 | 55900 |
| FLOOR, WALL, OR PIPELESS FURNACE | 230 | 16 | 54 | 65 | 55 | 24 | 8 | 5 | - | 2 | - | 26900 |
| ROOM HEATERS WITH FLUE | 324 | 61 | 111 | 80 | 40 | 15 | 10 | 5 | 2 | - | - | 19100 |
| ROOM HEATERS WITHOUT FLUE | 31 | 5 | 7 | 11 | 3 | 2 | - | 3 | - | - | - | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 313 | 27 | 34 | 51 | 55 | 35 | 26 | 52 | 27 | 5 | 1 | 38200 |
| NONE | 1 | - | 1 | - | - | - | - | - | - | - | - | ... |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 190 | 644 | 1 283 | 1 851 | 1 996 | 1 655 | 2 001 | 1 590 | 805 | 109 | 50600 |
| UNITS OCCUPIED LAST WINTER | 11 567 | 184 | 614 | 1 231 | 1 795 | 1 902 | 1 563 | 1 922 | 1 498 | 753 | 105 | 50400 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| WITH HEATING EQUIPMENT | 11 566 | 184 | 613 | 1 231 | 1 795 | 1 902 | 1 563 | 1 922 | 1 498 | 753 | 105 | 50400 |
| NO ROOMS CLOSED | 11 131 | 167 | 549 | 1 156 | 1 711 | 1 854 | 1 515 | 1 865 | 1 473 | 740 | 102 | 50900 |
| CLOSED CERTAIN ROOMS | 280 | 16 | 52 | 53 | 54 | 34 | 26 | 27 | 12 | 5 | 1 | 33400 |
| LIVING ROOM ONLY | 14 | 5 | - | 3 | 2 | 1 | - | 1 | 1 | - | - | ... |
| DINING ROOM ONLY | 2 | - | - | - | - | - | - | - | 2 | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 185 | 7 | 47 | 38 | 35 | 21 | 14 | 14 | 3 | 4 | 1 | 30100 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 74 | 4 | 5 | 11 | 15 | 9 | 12 | 11 | 6 | 1 | - | 42500 |
| NOT REPORTED | 5 | - | - | 2 | 2 | 2 | - | - | - | - | - | ... |
| NOT REPORTED | 155 | 2 | 12 | 21 | 30 | 14 | 23 | 30 | 13 | 8 | 2 | 49000 |
| NO HEATING EQUIPMENT | 1 | - | 1 | - | - | - | - | - | - | - | - | ... |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE C-3. VALUE OF OWNER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | LESS THAN $10,000 | $10,000 TO $19,999 | $20,000 TO $29,999 | $30,000 TO $39,999 | $40,000 TO $49,999 | $50,000 TO $59,999 | $60,000 TO $74,999 | $75,000 TO $99,999 | $100,000 TO $199,999 | $200,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED OWNER OCCUPIED[1]--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 11 238 | 154 | 574 | 1 171 | 1 738 | 1 868 | 1 539 | 1 870 | 1 471 | 748 | 104 | 50700 |
| NO ADDITIONAL HEAT SOURCE USED | 10 459 | 132 | 511 | 1 092 | 1 626 | 1 759 | 1 435 | 1 741 | 1 369 | 690 | 103 | 50800 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 593 | 18 | 56 | 58 | 84 | 83 | 73 | 92 | 85 | 44 | 1 | 49800 |
| NOT REPORTED | 186 | 5 | 7 | 21 | 28 | 26 | 30 | 38 | 18 | 13 | - | 51900 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 330 | 30 | 40 | 60 | 57 | 33 | 24 | 52 | 27 | 5 | 1 | 36100 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 11 238 | 154 | 574 | 1 171 | 1 738 | 1 868 | 1 539 | 1 870 | 1 471 | 748 | 104 | 50700 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 9 693 | 81 | 352 | 844 | 1 424 | 1 668 | 1 396 | 1 720 | 1 403 | 707 | 99 | 53400 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 368 | 70 | 215 | 302 | 287 | 178 | 117 | 110 | 55 | 31 | 4 | 33400 |
| 1 ROOM | 538 | 18 | 40 | 103 | 114 | 82 | 54 | 71 | 37 | 16 | 2 | 39500 |
| 2 ROOMS | 379 | 14 | 58 | 99 | 67 | 57 | 40 | 30 | 8 | 4 | 2 | 32700 |
| 3 ROOMS OR MORE | 450 | 38 | 117 | 99 | 107 | 39 | 23 | 10 | 9 | 10 | - | 27100 |
| NOT REPORTED | 177 | 3 | 7 | 25 | 27 | 22 | 27 | 40 | 13 | 10 | 2 | 51500 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 330 | 30 | 40 | 60 | 57 | 33 | 24 | 52 | 27 | 5 | 1 | 36100 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 11 238 | 154 | 574 | 1 171 | 1 738 | 1 868 | 1 539 | 1 870 | 1 471 | 748 | 104 | 50700 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 330 | 30 | 40 | 60 | 57 | 33 | 24 | 52 | 27 | 5 | 1 | 36100 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 237 | 19 | 27 | 49 | 39 | 28 | 19 | 33 | 16 | 4 | 1 | 35900 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 19 | 4 | 5 | 1 | - | 2 | - | 4 | 3 | - | - | ... |
| NOT REPORTED | 74 | 7 | 8 | 10 | 18 | 3 | 5 | 15 | 7 | 1 | - | 36800 |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 190 | 644 | 1 283 | 1 851 | 1 996 | 1 655 | 2 001 | 1 590 | 805 | 109 | 50600 |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 7 542 | 97 | 281 | 616 | 1 028 | 1 216 | 1 062 | 1 336 | 1 167 | 640 | 97 | 55000 |
| ROOM UNITS | 3 421 | 84 | 236 | 473 | 688 | 638 | 473 | 491 | 244 | 84 | 10 | 43600 |
| 1 | 2 332 | 69 | 189 | 348 | 486 | 453 | 293 | 287 | 158 | 45 | 5 | 41600 |
| 2 | 855 | 13 | 45 | 99 | 171 | 146 | 155 | 159 | 47 | 17 | 3 | 46800 |
| 3 | 182 | 2 | 2 | 23 | 32 | 32 | 16 | 34 | 28 | 13 | 2 | 50900 |
| 4 | 39 | - | - | 2 | - | 5 | 9 | 9 | 8 | 5 | - | 64900 |
| 5 OR MORE | 13 | - | - | 2 | - | 2 | - | 2 | 4 | 4 | - | ... |
| CENTRAL SYSTEM | 4 121 | 14 | 44 | 143 | 340 | 578 | 590 | 845 | 923 | 556 | 87 | 66200 |
| WITH NO AIR CONDITIONING | 4 583 | 92 | 363 | 667 | 823 | 780 | 593 | 665 | 423 | 165 | 12 | 44400 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE C-4. GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | LESS THAN $100 | $100 TO $149 | $150 TO $199 | $200 TO $249 | $250 TO $299 | $300 TO $349 | $350 TO $399 | $400 TO $499 | $500 OR MORE | NO CASH RENT | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 391 | 510 | 865 | 1 181 | 1 096 | 835 | 471 | 353 | 197 | 301 | 250 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| UTILITY GAS | 4 543 | 247 | 375 | 663 | 893 | 820 | 606 | 360 | 269 | 149 | 161 | 251 |
| BOTTLED, TANK, OR LP GAS | 190 | 3 | 20 | 28 | 34 | 20 | 10 | 14 | 5 | 12 | 44 | 231 |
| FUEL OIL | 551 | 23 | 47 | 64 | 89 | 94 | 82 | 40 | 32 | 14 | 66 | 260 |
| KEROSENE, ETC | - | - | - | - | - | - | - | - | - | - | - | - |
| ELECTRICITY | 835 | 110 | 53 | 88 | 150 | 155 | 131 | 57 | 48 | 21 | 21 | 252 |
| COAL OR COKE | 15 | 2 | 3 | 7 | - | 2 | - | - | - | - | 2 | ... |
| WOOD | 39 | 3 | 7 | 9 | 7 | 4 | 4 | - | - | - | 5 | ... |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 21 | 2 | 2 | 5 | 9 | - | 2 | - | - | - | 2 | ... |
| NONE | 5 | 2 | 3 | - | - | - | - | - | - | - | - | ... |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| ELECTRICITY PAID FOR | 5 177 | 176 | 338 | 643 | 1 016 | 1 019 | 798 | 452 | 341 | 190 | 202 | 265 |
| LESS THAN $10 | 312 | 26 | 56 | 51 | 81 | 51 | 18 | 16 | 3 | 2 | 8 | 212 |
| $10 TO $19 | 1 389 | 82 | 114 | 254 | 285 | 293 | 182 | 78 | 53 | 9 | 39 | 239 |
| $20 TO $29 | 1 315 | 36 | 85 | 172 | 291 | 260 | 216 | 119 | 62 | 31 | 44 | 260 |
| $30 TO $39 | 940 | 16 | 41 | 81 | 192 | 221 | 148 | 81 | 82 | 32 | 44 | 276 |
| $40 TO $49 | 421 | 4 | 12 | 35 | 71 | 72 | 73 | 54 | 42 | 29 | 29 | 301 |
| $50 TO $59 | 353 | 12 | 14 | 36 | 54 | 58 | 60 | 31 | 41 | 32 | 16 | 294 |
| $60 TO $79 | 280 | - | 9 | 8 | 31 | 48 | 79 | 45 | 27 | 25 | 8 | 325 |
| $80 TO $99 | 78 | - | 5 | 2 | 6 | 7 | 11 | 13 | 18 | 11 | 6 | 370 |
| $100 TO $149 | 55 | - | 2 | 5 | 3 | 3 | 10 | 10 | 6 | 9 | 7 | 357 |
| $150 OR MORE | 33 | - | - | - | 2 | 6 | 2 | 5 | 7 | 10 | 2 | ... |
| MEDIAN | 26 | 17 | 19 | 21 | 24 | 26 | 28 | 31 | 36 | 46 | 32 | ... |
| INCLUDED IN RENT | 1 003 | 210 | 172 | 212 | 163 | 75 | 36 | 19 | 10 | 6 | 99 | 166 |
| NO ELECTRICITY USED | 20 | 5 | - | 10 | 2 | 2 | - | - | 2 | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| GAS PAID FOR | 3 207 | 62 | 230 | 437 | 661 | 630 | 441 | 244 | 226 | 127 | 149 | 261 |
| LESS THAN $10 | 366 | 12 | 35 | 63 | 89 | 78 | 43 | 12 | 13 | 5 | 17 | 236 |
| $10 TO $14 | 285 | 10 | 27 | 60 | 53 | 68 | 31 | 13 | 13 | 3 | 7 | 239 |
| $15 TO $19 | 251 | 11 | 39 | 22 | 72 | 42 | 28 | 19 | 12 | 1 | 6 | 235 |
| $20 TO $24 | 243 | 9 | 15 | 49 | 44 | 39 | 28 | 21 | 17 | 10 | 11 | 248 |
| $25 TO $29 | 241 | 5 | 26 | 35 | 52 | 50 | 25 | 16 | 12 | 6 | 15 | 245 |
| $30 TO $39 | 496 | 12 | 33 | 73 | 106 | 99 | 65 | 27 | 28 | 28 | 25 | 256 |
| $40 TO $49 | 388 | 3 | 20 | 48 | 89 | 70 | 47 | 32 | 39 | 19 | 21 | 266 |
| $50 TO $69 | 571 | - | 31 | 76 | 107 | 107 | 74 | 60 | 46 | 38 | 31 | 275 |
| $70 TO $99 | 240 | - | 4 | 12 | 37 | 52 | 66 | 27 | 25 | 9 | 10 | 308 |
| $100 OR MORE | 124 | - | - | - | 13 | 23 | 35 | 17 | 21 | 9 | 6 | 331 |
| MEDIAN | 34 | 18 | 24 | 28 | 32 | 33 | 40 | 44 | 44 | 45 | 37 | ... |
| INCLUDED IN RENT | 2 192 | 259 | 220 | 345 | 375 | 316 | 266 | 170 | 97 | 43 | 101 | 229 |
| NO GAS USED | 801 | 69 | 60 | 83 | 145 | 150 | 128 | 57 | 30 | 27 | 51 | 256 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 338 | 2 | 25 | 35 | 39 | 44 | 51 | 26 | 23 | 36 | 56 | 294 |
| LESS THAN $100 | 61 | 2 | 7 | 7 | 6 | 5 | 8 | 4 | 6 | 3 | 13 | 270 |
| $100 TO $199 | 55 | - | 10 | 9 | 1 | 4 | 3 | 3 | 6 | 14 | 4 | 313 |
| $200 TO $299 | 27 | - | 3 | 4 | 3 | - | 3 | 3 | 3 | 2 | 6 | ... |
| $300 TO $399 | 24 | - | 2 | 3 | 4 | 2 | 5 | 2 | - | 3 | 3 | ... |
| $400 TO $499 | 25 | - | 2 | 2 | 4 | - | 8 | 2 | 3 | - | 5 | ... |
| $500 TO $599 | 14 | - | - | 3 | 2 | 1 | 3 | 3 | - | - | 2 | ... |
| $600 TO $699 | 23 | - | 1 | - | 7 | 7 | - | 1 | - | 3 | 5 | ... |
| $700 TO $799 | 13 | - | - | 2 | 2 | 5 | - | - | - | - | 4 | ... |
| $800 OR MORE | 97 | - | 2 | 5 | 10 | 20 | 21 | 9 | 5 | 11 | 14 | 310 |
| MEDIAN | 410 | ... | ... | 231 | 531 | 765 | 487 | ... | ... | 238 | 431 | ... |
| INCLUDED IN RENT | 561 | 56 | 60 | 79 | 104 | 81 | 59 | 31 | 29 | 27 | 33 | 232 |
| FUELS NOT USED OR FREE | 5 301 | 334 | 425 | 750 | 1 038 | 971 | 725 | 413 | 301 | 133 | 212 | 249 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 281 | 133 | 199 | 408 | 607 | 600 | 498 | 266 | 241 | 152 | 178 | 267 |
| HEAT PUMP | 30 | 3 | 5 | 4 | 3 | 4 | 3 | 3 | 4 | - | 2 | ... |
| STEAM OR HOT WATER | 1 627 | 130 | 128 | 240 | 293 | 327 | 223 | 150 | 69 | 31 | 36 | 251 |
| BUILT-IN ELECTRIC UNITS | 545 | 81 | 34 | 57 | 121 | 100 | 69 | 32 | 25 | 9 | 17 | 238 |
| FLOOR, WALL, OR PIPELESS FURNACE | 195 | 11 | 32 | 27 | 52 | 19 | 21 | 5 | 10 | 3 | 16 | 219 |
| ROOM HEATERS WITH FLUE | 394 | 19 | 85 | 97 | 85 | 39 | 13 | 13 | 5 | - | 37 | 188 |
| ROOM HEATERS WITHOUT FLUE | 39 | 7 | 7 | 11 | 9 | - | 3 | - | - | 1 | 2 | 174 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 83 | 5 | 18 | 22 | 12 | 7 | 4 | 2 | - | - | 14 | 177 |
| NONE | 5 | 2 | 3 | - | - | - | - | - | - | - | - | ... |
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 391 | 510 | 865 | 1 181 | 1 096 | 835 | 471 | 353 | 197 | 301 | 250 |
| UNITS OCCUPIED LAST WINTER | 4 030 | 317 | 407 | 568 | 734 | 689 | 522 | 277 | 200 | 109 | 257 | 241 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| WITH HEATING EQUIPMENT | 4 077 | 317 | 404 | 568 | 734 | 689 | 522 | 277 | 200 | 109 | 257 | 242 |
| NO ROOMS CLOSED | 3 797 | 301 | 386 | 525 | 688 | 644 | 487 | 251 | 181 | 105 | 229 | 241 |
| CLOSED CERTAIN ROOMS | 205 | 10 | 13 | 33 | 40 | 33 | 27 | 21 | 12 | - | 15 | 248 |
| LIVING ROOM ONLY | 13 | - | - | - | 3 | 7 | 3 | - | - | - | - | ... |
| DINING ROOM ONLY | 2 | - | - | - | 2 | - | - | - | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 126 | 10 | 7 | 22 | 25 | 17 | 12 | 12 | 9 | - | 12 | 235 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 59 | - | 6 | 10 | 7 | 9 | 10 | 9 | 4 | - | 3 | 273 |
| NOT REPORTED | 5 | - | - | - | 3 | - | 2 | - | - | - | - | ... |
| NOT REPORTED | 75 | 6 | 4 | 10 | 7 | 12 | 8 | 5 | 7 | 3 | 13 | 268 |
| NO HEATING EQUIPMENT | 3 | - | 3 | - | - | - | - | - | - | - | - | ... |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE C-4. GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | LESS THAN $100 | $100 TO $149 | $150 TO $199 | $200 TO $249 | $250 TO $299 | $300 TO $349 | $350 TO $399 | $400 TO $499 | $500 OR MORE | NO CASH RENT | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED RENTER OCCUPIED[1]--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 3 984 | 307 | 381 | 545 | 724 | 685 | 518 | 276 | 200 | 108 | 242 | 243 |
| NO ADDITIONAL HEAT SOURCE USED | 3 393 | 261 | 318 | 458 | 599 | 592 | 461 | 225 | 171 | 95 | 214 | 245 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 488 | 42 | 52 | 77 | 104 | 82 | 45 | 41 | 23 | 7 | 14 | 231 |
| NOT REPORTED | 102 | 4 | 10 | 10 | 21 | 11 | 11 | 10 | 7 | 5 | 13 | 247 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 96 | 10 | 26 | 23 | 10 | 4 | 5 | 2 | - | 1 | 15 | 160 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 3 984 | 307 | 381 | 545 | 724 | 685 | 518 | 276 | 200 | 108 | 242 | 243 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 324 | 279 | 270 | 414 | 595 | 596 | 458 | 248 | 181 | 103 | 181 | 251 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 550 | 19 | 95 | 122 | 108 | 78 | 48 | 18 | 13 | 2 | 48 | 207 |
| 1 ROOM | 246 | 14 | 50 | 55 | 32 | 36 | 30 | 5 | 7 | 2 | 16 | 196 |
| 2 ROOMS | 154 | 3 | 27 | 30 | 37 | 23 | 8 | 5 | 3 | - | 17 | 211 |
| 3 ROOMS OR MORE | 150 | 2 | 18 | 38 | 39 | 19 | 10 | 8 | 3 | - | 15 | 213 |
| NOT REPORTED | 110 | 9 | 16 | 8 | 21 | 11 | 11 | 10 | 7 | 3 | 13 | 235 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 96 | 10 | 26 | 23 | 10 | 4 | 5 | 2 | - | 1 | 15 | 160 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 3 984 | 307 | 381 | 545 | 724 | 685 | 518 | 276 | 200 | 108 | 242 | 243 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 96 | 10 | 26 | 23 | 10 | 4 | 5 | 2 | - | 1 | 15 | 160 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 52 | 7 | 19 | 8 | 5 | 1 | - | 2 | - | 1 | 10 | 138 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 18 | - | 4 | 5 | 2 | 3 | 3 | - | - | - | 2 | ... |
| NOT REPORTED | 25 | 3 | 3 | 10 | 3 | - | 2 | - | - | - | 3 | ... |
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 391 | 510 | 865 | 1 181 | 1 096 | 835 | 471 | 353 | 197 | 301 | 250 |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 3 257 | 150 | 186 | 322 | 561 | 622 | 544 | 319 | 252 | 150 | 151 | 276 |
| ROOM UNITS | 2 152 | 117 | 149 | 280 | 430 | 394 | 304 | 204 | 124 | 56 | 95 | 257 |
| 1 | 1 770 | 114 | 139 | 238 | 382 | 330 | 231 | 156 | 76 | 33 | 72 | 246 |
| 2 | 328 | 2 | 9 | 39 | 45 | 59 | 67 | 38 | 34 | 21 | 13 | 302 |
| 3 | 45 | - | - | 3 | 3 | 5 | 5 | 8 | 13 | - | 8 | 364 |
| 4 | 7 | 2 | - | - | - | - | - | - | 2 | 2 | 2 | ... |
| 5 OR MORE | 2 | - | - | - | - | - | - | 2 | - | - | - | ... |
| CENTRAL SYSTEM | 1 105 | 33 | 37 | 42 | 131 | 228 | 240 | 116 | 129 | 94 | 56 | 311 |
| WITH NO AIR CONDITIONING | 2 943 | 241 | 324 | 543 | 620 | 474 | 290 | 151 | 101 | 47 | 151 | 223 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE C-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 15 675 | 2 500 | 847 | 813 | 990 | 740 |
| HOUSE HEATING FUEL | | | | | | | |
| OWNER OCCUPIED | 15 140 | 13 644 | 651 | 86 | 42 | 109 | 607 |
| UTILITY GAS | 10 721 | 9 755 | 549 | 86 | 26 | 52 | 253 |
| BOTTLED, TANK, OR LP GAS | 1 124 | 905 | 6 | - | 4 | - | 210 |
| FUEL OIL | 1 689 | 1 550 | 63 | - | 3 | 12 | 60 |
| KEROSENE, ETC | 13 | 13 | - | - | - | - | - |
| ELECTRICITY | 1 357 | 1 197 | 32 | - | 9 | 45 | 74 |
| COAL OR COKE | 34 | 33 | - | - | - | - | 2 |
| WOOD | 193 | 182 | 2 | - | - | - | 9 |
| SOLAR HEAT | 3 | 3 | - | - | - | - | - |
| OTHER FUEL | 5 | 5 | - | - | - | - | - |
| NONE | 1 | 1 | - | - | - | - | - |
| RENTER OCCUPIED | 6 424 | 2 031 | 1 849 | 760 | 771 | 880 | 133 |
| UTILITY GAS | 4 586 | 1 343 | 1 546 | 541 | 509 | 591 | 56 |
| BOTTLED, TANK, OR LP GAS | 251 | 187 | 2 | - | 2 | - | 60 |
| FUEL OIL | 626 | 289 | 122 | 58 | 54 | 94 | 10 |
| KEROSENE, ETC | - | - | - | - | - | - | - |
| ELECTRICITY | 854 | 141 | 171 | 153 | 200 | 182 | 7 |
| COAL OR COKE | 18 | 9 | 3 | 4 | - | 2 | - |
| WOOD | 63 | 62 | - | 1 | - | - | - |
| SOLAR HEAT | - | - | - | - | - | - | - |
| OTHER FUEL | 21 | - | 2 | 4 | 5 | 11 | - |
| NONE | 5 | - | 3 | - | 2 | - | - |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 12 125 | ... | ... | ... | ... | ... |
| ELECTRICITY PAID FOR | 12 115 | 12 115 | ... | ... | ... | ... | ... |
| LESS THAN $10 | 83 | 83 | ... | ... | ... | ... | ... |
| $10 TO $19 | 732 | 732 | ... | ... | ... | ... | ... |
| $20 TO $29 | 1 998 | 1 998 | ... | ... | ... | ... | ... |
| $30 TO $39 | 2 683 | 2 683 | ... | ... | ... | ... | ... |
| $40 TO $49 | 2 076 | 2 076 | ... | ... | ... | ... | ... |
| $50 TO $59 | 1 721 | 1 721 | ... | ... | ... | ... | ... |
| $60 TO $79 | 1 582 | 1 582 | ... | ... | ... | ... | ... |
| $80 TO $99 | 563 | 563 | ... | ... | ... | ... | ... |
| $100 TO $149 | 539 | 539 | ... | ... | ... | ... | ... |
| $150 OR MORE | 137 | 137 | ... | ... | ... | ... | ... |
| MEDIAN | 42 | 42 | ... | ... | ... | ... | ... |
| NO ELECTRICITY USED | 10 | 10 | ... | ... | ... | ... | ... |
| SPECIFIED RENTER OCCUPIED[2] | 6 199 | 1 806 | 1 849 | 760 | 771 | 880 | 133 |
| ELECTRICITY PAID FOR | 5 177 | 1 667 | 1 493 | 608 | 673 | 617 | 119 |
| LESS THAN $10 | 312 | 31 | 90 | 36 | 77 | 70 | 7 |
| $10 TO $19 | 1 389 | 256 | 446 | 201 | 227 | 231 | 28 |
| $20 TO $29 | 1 315 | 383 | 446 | 158 | 133 | 171 | 24 |
| $30 TO $39 | 940 | 363 | 272 | 97 | 112 | 63 | 34 |
| $40 TO $49 | 421 | 215 | 75 | 43 | 51 | 32 | 6 |
| $50 TO $59 | 353 | 169 | 91 | 28 | 36 | 27 | 3 |
| $60 TO $79 | 280 | 158 | 41 | 27 | 21 | 20 | 13 |
| $80 TO $99 | 78 | 48 | 11 | 10 | 6 | - | 4 |
| $100 TO $149 | 55 | 29 | 16 | 5 | 3 | 2 | - |
| $150 OR MORE | 33 | 14 | 5 | 4 | 7 | 2 | - |
| MEDIAN | 26 | 34 | 24 | 24 | 22 | 20 | 30 |
| INCLUDED IN RENT | 1 003 | 140 | 350 | 151 | 96 | 252 | 14 |
| NO ELECTRICITY USED | 20 | - | 5 | 2 | 2 | 11 | - |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 12 125 | ... | ... | ... | ... | ... |
| GAS PAID FOR | 10 539 | 10 539 | ... | ... | ... | ... | ... |
| LESS THAN $10 | 175 | 175 | ... | ... | ... | ... | ... |
| $10 TO $14 | 201 | 201 | ... | ... | ... | ... | ... |
| $15 TO $19 | 246 | 246 | ... | ... | ... | ... | ... |
| $20 TO $24 | 382 | 382 | ... | ... | ... | ... | ... |
| $25 TO $29 | 598 | 598 | ... | ... | ... | ... | ... |
| $30 TO $39 | 1 707 | 1 707 | ... | ... | ... | ... | ... |
| $40 TO $49 | 1 978 | 1 978 | ... | ... | ... | ... | ... |
| $50 TO $69 | 3 342 | 3 342 | ... | ... | ... | ... | ... |
| $70 TO $99 | 1 434 | 1 434 | ... | ... | ... | ... | ... |
| $100 OR MORE | 475 | 475 | ... | ... | ... | ... | ... |
| MEDIAN | 49 | 49 | ... | ... | ... | ... | ... |
| NO GAS USED | 1 587 | 1 587 | ... | ... | ... | ... | ... |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE C-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 1 806 | 1 849 | 760 | 771 | 880 | 133 |
| GAS PAID FOR | 3 207 | 1 359 | 1 133 | 290 | 180 | 146 | 98 |
| LESS THAN $10 | 366 | 53 | 135 | 74 | 55 | 39 | 10 |
| $10 TO $14 | 285 | 54 | 107 | 50 | 35 | 29 | 11 |
| $15 TO $19 | 251 | 79 | 98 | 19 | 21 | 20 | 14 |
| $20 TO $24 | 243 | 98 | 76 | 29 | 21 | 12 | 7 |
| $25 TO $29 | 241 | 110 | 79 | 27 | 9 | 12 | 3 |
| $30 TO $39 | 496 | 199 | 210 | 39 | 20 | 19 | 9 |
| $40 TO $49 | 388 | 220 | 130 | 17 | 7 | 10 | 5 |
| $50 TO $69 | 571 | 312 | 195 | 30 | 11 | 6 | 18 |
| $70 TO $99 | 240 | 154 | 76 | 4 | - | - | 6 |
| $100 OR MORE | 124 | 81 | 26 | 2 | 2 | - | 14 |
| MEDIAN | 34 | 44 | 33 | 20 | 15 | 16 | 33 |
| INCLUDED IN RENT | 2 192 | 211 | 564 | 349 | 419 | 621 | 28 |
| NO GAS USED | 801 | 236 | 152 | 121 | 172 | 113 | 7 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 12 125 | 12 125 | ... | ... | ... | ... | ... |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 003 | 2 003 | ... | ... | ... | ... | ... |
| LESS THAN $100 | 483 | 483 | ... | ... | ... | ... | ... |
| $100 TO $199 | 266 | 266 | ... | ... | ... | ... | ... |
| $200 TO $299 | 156 | 156 | ... | ... | ... | ... | ... |
| $300 TO $399 | 111 | 111 | ... | ... | ... | ... | ... |
| $400 TO $499 | 120 | 120 | ... | ... | ... | ... | ... |
| $500 TO $599 | 126 | 126 | ... | ... | ... | ... | ... |
| $600 TO $699 | 159 | 159 | ... | ... | ... | ... | ... |
| $700 TO $799 | 133 | 133 | ... | ... | ... | ... | ... |
| $800 OR MORE | 448 | 448 | ... | ... | ... | ... | ... |
| MEDIAN | 386 | 386 | ... | ... | ... | ... | ... |
| FUELS NOT USED OR FREE | 10 122 | 10 122 | ... | ... | ... | ... | ... |
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 1 806 | 1 849 | 760 | 771 | 880 | 133 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 338 | 267 | 40 | 2 | 7 | - | 21 |
| LESS THAN $100 | 61 | 47 | 6 | 2 | 5 | - | - |
| $100 TO $199 | 55 | 31 | 10 | - | 1 | - | 12 |
| $200 TO $299 | 27 | 16 | 6 | - | - | - | 3 |
| $300 TO $399 | 24 | 18 | 3 | - | - | - | 3 |
| $400 TO $499 | 25 | 22 | 3 | - | - | - | - |
| $500 TO $599 | 14 | 9 | 2 | - | - | - | 3 |
| $600 TO $699 | 23 | 22 | 2 | - | - | - | - |
| $700 TO $799 | 13 | 13 | - | - | - | - | - |
| $800 OR MORE | 97 | 87 | 8 | - | 2 | - | - |
| MEDIAN | 410 | 487 | 256 | ... | ... | - | ... |
| INCLUDED IN RENT | 561 | 89 | 195 | 74 | 69 | 112 | 22 |
| FUELS NOT USED OR FREE | 5 301 | 1 451 | 1 613 | 684 | 694 | 769 | 90 |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 15 675 | 2 500 | 847 | 813 | 990 | 740 |
| HEATING EQUIPMENT | | | | | | | |
| OWNER OCCUPIED | 15 140 | 13 644 | 651 | 86 | 42 | 109 | 607 |
| WARM-AIR FURNACE | 11 586 | 10 537 | 403 | 68 | 15 | 40 | 522 |
| HEAT PUMP | 208 | 208 | - | - | - | - | - |
| STEAM OR HOT WATER | 1 304 | 1 047 | 187 | 17 | 17 | 36 | - |
| BUILT-IN ELECTRIC UNITS | 694 | 613 | 15 | - | 9 | 33 | 23 |
| FLOOR, WALL, OR PIPELESS FURNACE | 317 | 277 | 2 | - | 2 | - | 36 |
| ROOM HEATERS WITH FLUE | 490 | 444 | 41 | 2 | - | - | 3 |
| ROOM HEATERS WITHOUT FLUE | 44 | 42 | 2 | - | - | - | - |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 497 | 473 | 2 | - | - | - | 22 |
| NONE | 1 | 1 | - | - | - | - | - |
| RENTER OCCUPIED | 6 424 | 2 031 | 1 849 | 760 | 771 | 880 | 133 |
| WARM-AIR FURNACE | 3 399 | 1 334 | 1 066 | 330 | 272 | 276 | 122 |
| HEAT PUMP | 30 | 6 | 5 | 7 | 7 | 5 | - |
| STEAM OR HOT WATER | 1 642 | 121 | 439 | 275 | 343 | 465 | - |
| BUILT-IN ELECTRIC UNITS | 556 | 96 | 110 | 93 | 131 | 126 | - |
| FLOOR, WALL, OR PIPELESS FURNACE | 206 | 117 | 45 | 23 | 8 | 8 | 5 |
| ROOM HEATERS WITH FLUE | 418 | 215 | 159 | 32 | 5 | - | 6 |
| ROOM HEATERS WITHOUT FLUE | 42 | 22 | 16 | - | 3 | - | - |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 126 | 120 | 5 | 1 | - | - | - |
| NONE | 5 | - | 3 | - | 2 | - | - |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE C-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 15 675 | 2 500 | 847 | 813 | 990 | 740 |
| UNITS OCCUPIED LAST WINTER | 18 657 | 14 433 | 1 884 | 564 | 541 | 656 | 579 |
| INSUFFICIENT HEAT | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | |
| OWNER OCCUPIED | 14 391 | 13 041 | 616 | 77 | 39 | 100 | 518 |
| WITH HEATING EQUIPMENT | 14 390 | 13 040 | 616 | 77 | 39 | 100 | 518 |
| NO ROOMS CLOSED | 13 792 | 12 493 | 592 | 74 | 39 | 94 | 500 |
| CLOSED CERTAIN ROOMS | 389 | 361 | 9 | 2 | - | 2 | 15 |
| LIVING ROOM ONLY | 17 | 17 | - | - | - | - | - |
| DINING ROOM ONLY | 3 | 3 | - | - | - | - | - |
| 1 OR MORE BEDROOMS ONLY | 269 | 251 | 3 | - | - | - | 15 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 92 | 85 | 4 | 2 | - | 2 | - |
| NOT REPORTED | 7 | 5 | 2 | - | - | - | - |
| NOT REPORTED | 209 | 186 | 15 | 2 | - | 4 | 3 |
| NO HEATING EQUIPMENT | 1 | 1 | - | - | - | - | - |
| RENTER OCCUPIED | 4 266 | 1 392 | 1 268 | 487 | 502 | 556 | 61 |
| WITH HEATING EQUIPMENT | 4 262 | 1 392 | 1 264 | 487 | 502 | 556 | 61 |
| NO ROOMS CLOSED | 3 952 | 1 227 | 1 186 | 468 | 478 | 537 | 57 |
| CLOSED CERTAIN ROOMS | 230 | 126 | 54 | 16 | 19 | 14 | 2 |
| LIVING ROOM ONLY | 13 | - | 10 | - | 3 | - | - |
| DINING ROOM ONLY | 2 | - | - | - | 2 | - | - |
| 1 OR MORE BEDROOMS ONLY | 147 | 92 | 25 | 10 | 9 | 9 | 2 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 64 | 32 | 18 | 5 | 5 | 4 | - |
| NOT REPORTED | 5 | 2 | 2 | - | - | 2 | - |
| NOT REPORTED | 80 | 39 | 24 | 4 | 5 | 5 | 3 |
| NO HEATING EQUIPMENT | 3 | - | 3 | - | - | - | - |
| ADDITIONAL HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 14 391 | 13 041 | 616 | 77 | 39 | 100 | 518 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 12 542 | 612 | 77 | 39 | 100 | 498 |
| NO ADDITIONAL HEAT SOURCE USED | 12 865 | 11 632 | 568 | 71 | 39 | 91 | 464 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 749 | 687 | 21 | 4 | - | 2 | 35 |
| NOT REPORTED | 255 | 222 | 23 | 2 | - | 7 | - |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 499 | 4 | - | - | - | 20 |
| RENTER OCCUPIED | 4 266 | 1 392 | 1 268 | 487 | 502 | 556 | 61 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 1 285 | 1 249 | 487 | 499 | 556 | 61 |
| NO ADDITIONAL HEAT SOURCE USED | 3 523 | 1 118 | 1 078 | 409 | 402 | 461 | 54 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 506 | 118 | 140 | 74 | 87 | 81 | 7 |
| NOT REPORTED | 107 | 49 | 31 | 4 | 10 | 14 | - |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 107 | 19 | - | 3 | - | - |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 14 391 | 13 041 | 616 | 77 | 39 | 100 | 518 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 12 542 | 612 | 77 | 39 | 100 | 498 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 11 780 | 10 599 | 503 | 70 | 35 | 85 | 487 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 837 | 1 729 | 87 | 5 | 2 | 5 | 8 |
| 1 ROOM | 682 | 634 | 34 | 2 | 2 | 4 | 6 |
| 2 ROOMS | 501 | 477 | 19 | 2 | - | 2 | 2 |
| 3 ROOMS OR MORE | 654 | 618 | 34 | 2 | - | - | - |
| NOT REPORTED | 252 | 214 | 22 | 2 | 2 | 9 | 3 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 499 | 4 | - | - | - | 20 |
| RENTER OCCUPIED | 4 266 | 1 392 | 1 268 | 487 | 502 | 556 | 61 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 1 285 | 1 249 | 487 | 499 | 556 | 61 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 409 | 938 | 982 | 436 | 476 | 518 | 59 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 610 | 295 | 236 | 43 | 13 | 21 | 3 |
| 1 ROOM | 260 | 76 | 128 | 24 | 11 | 19 | 2 |
| 2 ROOMS | 169 | 98 | 57 | 10 | 2 | 2 | 1 |
| 3 ROOMS OR MORE | 181 | 121 | 51 | 9 | - | - | - |
| NOT REPORTED | 118 | 52 | 30 | 8 | 10 | 17 | - |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 107 | 19 | - | 3 | - | - |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE C-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | |
| OWNER OCCUPIED | 14 391 | 13 041 | 616 | 77 | 39 | 100 | 518 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 12 542 | 612 | 77 | 39 | 100 | 498 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 499 | 4 | - | - | - | 20 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 389 | 370 | 2 | - | - | - | 17 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 26 | 26 | - | - | - | - | - |
| NOT REPORTED | 108 | 103 | 2 | - | - | - | 3 |
| RENTER OCCUPIED | 4 266 | 1 392 | 1 268 | 487 | 502 | 556 | 61 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 1 285 | 1 249 | 487 | 499 | 556 | 61 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 107 | 19 | - | 3 | - | - |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 79 | 71 | 8 | - | - | - | - |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 22 | 18 | 3 | - | - | - | - |
| NOT REPORTED | 29 | 17 | 8 | - | 3 | - | - |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 15 675 | 2 500 | 847 | 813 | 990 | 740 |
| AIR CONDITIONING | | | | | | | |
| OWNER OCCUPIED | 15 140 | 13 644 | 651 | 86 | 42 | 109 | 607 |
| WITH AIR CONDITIONING | 9 216 | 8 282 | 380 | 63 | 38 | 104 | 348 |
| ROOM UNITS | 4 335 | 3 831 | 261 | 11 | 29 | 33 | 170 |
| 1 | 2 978 | 2 628 | 155 | 7 | 24 | 13 | 150 |
| 2 | 1 070 | 941 | 90 | 3 | 2 | 15 | 18 |
| 3 | 223 | 203 | 11 | - | 4 | 3 | 2 |
| 4 | 48 | 42 | 4 | - | - | 2 | - |
| 5 OR MORE | 17 | 17 | - | - | - | - | - |
| CENTRAL SYSTEM | 4 880 | 4 451 | 119 | 53 | 9 | 71 | 178 |
| WITH NO AIR CONDITIONING | 5 925 | 5 362 | 272 | 23 | 4 | 5 | 259 |
| RENTER OCCUPIED | 6 424 | 2 031 | 1 849 | 760 | 771 | 880 | 133 |
| WITH AIR CONDITIONING | 3 339 | 878 | 778 | 449 | 558 | 600 | 76 |
| ROOM UNITS | 2 215 | 599 | 555 | 291 | 325 | 384 | 61 |
| 1 | 1 811 | 462 | 446 | 247 | 267 | 330 | 58 |
| 2 | 345 | 113 | 95 | 30 | 57 | 49 | 3 |
| 3 | 51 | 22 | 12 | 11 | 2 | 3 | - |
| 4 | 7 | - | 2 | 3 | - | 2 | - |
| 5 OR MORE | 2 | 2 | - | - | - | - | - |
| CENTRAL SYSTEM | 1 124 | 279 | 223 | 158 | 233 | 216 | 15 |
| WITH NO AIR CONDITIONING | 3 085 | 1 153 | 1 071 | 312 | 213 | 280 | 57 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE C-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 21 564 | 196 | 463 | 1 675 | 3 570 | 5 400 | 4 842 | 5 417 | 5.4 |
| HOUSE HEATING FUEL | | | | | | | | | |
| OWNER OCCUPIED | 15 140 | 38 | 74 | 259 | 1 632 | 4 075 | 4 147 | 4 916 | 5.8 |
| UTILITY GAS | 10 721 | 28 | 45 | 155 | 1 087 | 2 952 | 3 047 | 3 407 | 5.8 |
| BOTTLED, TANK, OR LP GAS | 1 124 | 2 | 3 | 30 | 192 | 328 | 257 | 312 | 5.5 |
| FUEL OIL | 1 689 | 3 | 17 | 42 | 185 | 420 | 447 | 575 | 5.9 |
| KEROSENE, ETC | 13 | - | - | - | - | 8 | 2 | 4 | ... |
| ELECTRICITY | 1 357 | 2 | 9 | 26 | 136 | 300 | 339 | 547 | 6.1 |
| COAL OR COKE | 34 | - | - | - | 3 | 14 | 11 | 6 | ... |
| WOOD | 193 | 3 | - | 7 | 26 | 52 | 40 | 62 | 5.6 |
| SOLAR HEAT | 3 | - | - | - | - | - | 3 | - | ... |
| OTHER FUEL | 5 | - | - | - | - | - | 2 | 3 | ... |
| NONE | 1 | - | - | - | - | 1 | - | - | ... |
| RENTER OCCUPIED | 6 424 | 158 | 389 | 1 416 | 1 938 | 1 326 | 695 | 502 | 4.1 |
| UTILITY GAS | 4 586 | 121 | 272 | 995 | 1 389 | 998 | 519 | 293 | 4.1 |
| BOTTLED, TANK, OR LP GAS | 251 | 2 | 9 | 12 | 60 | 69 | 52 | 47 | 5.1 |
| FUEL OIL | 626 | 17 | 33 | 103 | 153 | 122 | 74 | 125 | 4.5 |
| KEROSENE, ETC | - | - | - | - | - | - | - | - | - |
| ELECTRICITY | 854 | 17 | 67 | 286 | 311 | 118 | 34 | 21 | 3.7 |
| COAL OR COKE | 18 | - | 5 | 3 | 4 | 2 | 2 | 3 | ... |
| WOOD | 63 | - | 2 | 2 | 14 | 18 | 14 | 14 | 5.3 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 21 | - | - | 14 | 7 | - | - | - | ... |
| NONE | 5 | 2 | 2 | 2 | - | - | - | - | ... |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 30 | 46 | 117 | 1 045 | 3 262 | 3 519 | 4 106 | 5.9 |
| ELECTRICITY PAID FOR | 12 115 | 28 | 46 | 117 | 1 044 | 3 259 | 3 519 | 4 103 | 5.9 |
| LESS THAN $10 | 83 | - | - | 14 | 9 | 21 | 32 | 7 | 5.3 |
| $10 TO $19 | 732 | - | 5 | 18 | 140 | 258 | 190 | 121 | 5.3 |
| $20 TO $29 | 1 998 | 5 | 4 | 33 | 281 | 688 | 555 | 432 | 5.5 |
| $30 TO $39 | 2 683 | 3 | 10 | 27 | 272 | 806 | 837 | 728 | 5.8 |
| $40 TO $49 | 2 076 | 3 | 13 | 11 | 139 | 592 | 643 | 675 | 5.9 |
| $50 TO $59 | 1 721 | 6 | 5 | 5 | 93 | 399 | 510 | 704 | 6.2 |
| $60 TO $79 | 1 582 | 4 | 6 | 4 | 80 | 334 | 424 | 732 | 6.3 |
| $80 TO $99 | 563 | 4 | 2 | - | 8 | 90 | 148 | 311 | 6.5+ |
| $100 TO $149 | 539 | 3 | 2 | 4 | 17 | 63 | 142 | 308 | 6.5+ |
| $150 OR MORE | 137 | - | - | 2 | 3 | 7 | 39 | 86 | 6.5+ |
| MEDIAN | 42 | ... | 43 | 27 | 33 | 37 | 42 | 51 | ... |
| NO ELECTRICITY USED | 10 | 2 | - | - | 2 | 4 | - | 3 | ... |
| SPECIFIED RENTER OCCUPIED[2] | 6 199 | 158 | 385 | 1 416 | 1 912 | 1 285 | 629 | 414 | 4.1 |
| ELECTRICITY PAID FOR | 5 177 | 47 | 185 | 1 100 | 1 722 | 1 181 | 584 | 357 | 4.2 |
| LESS THAN $10 | 312 | 13 | 30 | 123 | 91 | 33 | 14 | 8 | 3.4 |
| $10 TO $19 | 1 389 | 20 | 94 | 418 | 502 | 250 | 77 | 28 | 3.8 |
| $20 TO $29 | 1 315 | 9 | 25 | 266 | 478 | 315 | 153 | 69 | 4.2 |
| $30 TO $39 | 940 | 2 | 19 | 150 | 329 | 248 | 125 | 68 | 4.4 |
| $40 TO $49 | 421 | 4 | 2 | 61 | 110 | 123 | 66 | 56 | 4.8 |
| $50 TO $59 | 353 | - | 13 | 48 | 83 | 102 | 64 | 44 | 4.8 |
| $60 TO $79 | 280 | - | 3 | 15 | 80 | 64 | 62 | 56 | 5.1 |
| $80 TO $99 | 78 | - | - | 2 | 21 | 29 | 12 | 15 | 5.1 |
| $100 TO $149 | 55 | - | - | 8 | 14 | 15 | 8 | 10 | 4.9 |
| $150 OR MORE | 33 | - | - | 6 | 14 | 4 | 5 | 2 | ... |
| MEDIAN | 26 | 15 | 16 | 20 | 25 | 29 | 34 | 41 | ... |
| INCLUDED IN RENT | 1 003 | 103 | 198 | 313 | 184 | 103 | 45 | 57 | 3.1 |
| NO ELECTRICITY USED | 20 | 7 | 2 | 4 | 7 | - | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 30 | 46 | 117 | 1 045 | 3 262 | 3 519 | 4 106 | 5.9 |
| GAS PAID FOR | 10 539 | 28 | 42 | 91 | 903 | 2 893 | 3 075 | 3 506 | 5.9 |
| LESS THAN $10 | 175 | 2 | 2 | 6 | 19 | 49 | 59 | 38 | 5.7 |
| $10 TO $14 | 201 | 2 | - | 7 | 30 | 45 | 59 | 58 | 5.8 |
| $15 TO $19 | 246 | 3 | 2 | 2 | 45 | 88 | 61 | 46 | 5.3 |
| $20 TO $24 | 382 | 2 | 3 | 14 | 62 | 134 | 80 | 86 | 5.3 |
| $25 TO $29 | 598 | 2 | 5 | 9 | 83 | 228 | 155 | 117 | 5.4 |
| $30 TO $39 | 1 707 | - | 3 | 13 | 240 | 575 | 500 | 376 | 5.5 |
| $40 TO $49 | 1 978 | 4 | 11 | 8 | 179 | 591 | 610 | 575 | 5.8 |
| $50 TO $69 | 3 342 | 9 | 11 | 24 | 175 | 882 | 1 026 | 1 216 | 6.0 |
| $70 TO $99 | 1 434 | 3 | 4 | 3 | 57 | 234 | 443 | 689 | 6.4 |
| $100 OR MORE | 475 | 2 | 2 | 3 | 12 | 68 | 81 | 305 | 6.5+ |
| MEDIAN | 49 | ... | 45 | 35 | 38 | 45 | 50 | 57 | ... |
| NO GAS USED | 1 587 | 2 | 3 | 26 | 143 | 369 | 444 | 600 | 6.1 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE C-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 158 | 385 | 1 416 | 1 912 | 1 285 | 629 | 414 | 4.1 |
| GAS PAID FOR | 3 207 | 14 | 88 | 465 | 1 010 | 857 | 497 | 275 | 4.5 |
| LESS THAN $10 | 366 | 7 | 25 | 79 | 148 | 56 | 40 | 12 | 4.0 |
| $10 TO $14 | 285 | 4 | 10 | 78 | 114 | 54 | 14 | 12 | 3.9 |
| $15 TO $19 | 251 | 1 | 15 | 58 | 78 | 60 | 25 | 13 | 4.1 |
| $20 TO $24 | 243 | - | 9 | 61 | 74 | 52 | 33 | 14 | 4.2 |
| $25 TO $29 | 241 | 2 | 7 | 38 | 102 | 55 | 19 | 18 | 4.2 |
| $30 TO $39 | 496 | 2 | 7 | 58 | 193 | 146 | 59 | 30 | 4.4 |
| $40 TO $49 | 388 | - | 3 | 44 | 105 | 111 | 85 | 41 | 4.9 |
| $50 TO $69 | 571 | - | 12 | 39 | 125 | 207 | 128 | 61 | 5.0 |
| $70 TO $99 | 240 | - | - | 7 | 48 | 84 | 61 | 40 | 5.3 |
| $100 OR MORE | 124 | - | - | 5 | 22 | 31 | 33 | 33 | 5.6 |
| MEDIAN | 34 | ... | 17 | 21 | 29 | 40 | 46 | 48 | ... |
| INCLUDED IN RENT | 2 192 | 135 | 255 | 702 | 625 | 309 | 91 | 75 | 3.5 |
| NO GAS USED | 801 | 8 | 42 | 250 | 278 | 118 | 41 | 64 | 3.9 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 12 125 | 30 | 46 | 117 | 1 045 | 3 262 | 3 519 | 4 106 | 5.9 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 003 | 3 | 8 | 29 | 183 | 467 | 569 | 744 | 6.0 |
| LESS THAN $100 | 483 | 2 | - | 4 | 30 | 68 | 137 | 243 | 6.5+ |
| $100 TO $199 | 266 | - | - | 9 | 14 | 52 | 52 | 138 | 6.5+ |
| $200 TO $299 | 156 | 1 | - | 2 | 15 | 44 | 54 | 41 | 5.8 |
| $300 TO $399 | 111 | - | 4 | 1 | 18 | 28 | 33 | 27 | 5.6 |
| $400 TO $499 | 120 | - | - | 2 | 22 | 36 | 35 | 25 | 5.5 |
| $500 TO $599 | 126 | - | 2 | - | 14 | 47 | 30 | 33 | 5.5 |
| $600 TO $699 | 159 | - | - | 5 | 16 | 40 | 54 | 44 | 5.8 |
| $700 TO $799 | 133 | - | - | 4 | 17 | 44 | 39 | 29 | 5.5 |
| $800 OR MORE | 448 | - | 3 | 3 | 36 | 108 | 134 | 163 | 6.0 |
| MEDIAN | 386 | ... | ... | ... | 465 | 512 | 425 | 192 | ... |
| FUELS NOT USED OR FREE | 10 122 | 27 | 37 | 88 | 862 | 2 795 | 2 950 | 3 362 | 5.9 |
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 158 | 385 | 1 416 | 1 912 | 1 285 | 629 | 414 | 4.1 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 338 | - | 9 | 22 | 74 | 90 | 63 | 81 | 5.2 |
| LESS THAN $100 | 61 | - | 6 | 11 | 9 | 11 | 10 | 14 | 4.9 |
| $100 TO $199 | 55 | - | - | 2 | 10 | 21 | 9 | 13 | 5.2 |
| $200 TO $299 | 27 | - | 1 | - | 9 | 10 | 3 | 3 | ... |
| $300 TO $399 | 24 | - | - | 2 | 8 | 3 | 8 | 3 | ... |
| $400 TO $499 | 25 | - | - | 2 | 4 | 8 | 5 | 7 | ... |
| $500 TO $599 | 14 | - | - | - | 6 | 3 | 2 | 3 | ... |
| $600 TO $699 | 23 | - | - | 3 | 7 | 5 | 6 | 3 | ... |
| $700 TO $799 | 13 | - | - | 2 | 3 | 3 | 2 | 3 | ... |
| $800 OR MORE | 97 | - | 2 | 2 | 18 | 25 | 19 | 32 | 5.6 |
| MEDIAN | 410 | - | ... | ... | 420 | 360 | 434 | 524 | ... |
| INCLUDED IN RENT | 561 | 28 | 53 | 140 | 180 | 99 | 29 | 32 | 3.8 |
| FUELS NOT USED OR FREE | 5 301 | 130 | 324 | 1 255 | 1 658 | 1 096 | 538 | 301 | 4.1 |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 196 | 463 | 1 675 | 3 570 | 5 400 | 4 842 | 5 417 | 5.4 |
| HEATING EQUIPMENT | | | | | | | | | |
| OWNER OCCUPIED | 15 140 | 38 | 74 | 259 | 1 632 | 4 075 | 4 147 | 4 916 | 5.8 |
| WARM-AIR FURNACE | 11 586 | 27 | 53 | 163 | 1 214 | 3 187 | 3 244 | 3 698 | 5.8 |
| HEAT PUMP | 208 | - | - | 2 | 3 | 30 | 46 | 126 | 6.5+ |
| STEAM OR HOT WATER | 1 304 | 4 | 6 | 12 | 104 | 286 | 363 | 529 | 6.2 |
| BUILT-IN ELECTRIC UNITS | 694 | - | 5 | 16 | 79 | 165 | 192 | 237 | 5.9 |
| FLOOR, WALL, OR PIPELESS FURNACE | 317 | - | 4 | 17 | 66 | 104 | 73 | 54 | 5.2 |
| ROOM HEATERS WITH FLUE | 490 | - | 7 | 34 | 102 | 145 | 103 | 100 | 5.2 |
| ROOM HEATERS WITHOUT FLUE | 44 | - | - | 2 | 5 | 11 | 8 | 17 | 5.9 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 497 | 7 | - | 14 | 58 | 145 | 119 | 154 | 5.7 |
| NONE | 1 | - | - | - | - | 1 | - | - | ... |
| RENTER OCCUPIED | 6 424 | 158 | 389 | 1 416 | 1 938 | 1 326 | 695 | 502 | 4.1 |
| WARM-AIR FURNACE | 3 399 | 31 | 126 | 603 | 995 | 861 | 465 | 319 | 4.4 |
| HEAT PUMP | 30 | - | 5 | 11 | 6 | 3 | 3 | 2 | ... |
| STEAM OR HOT WATER | 1 642 | 89 | 151 | 458 | 497 | 260 | 103 | 85 | 3.7 |
| BUILT-IN ELECTRIC UNITS | 556 | 17 | 51 | 206 | 202 | 60 | 14 | 8 | 3.5 |
| FLOOR, WALL, OR PIPELESS FURNACE | 206 | 8 | 12 | 50 | 63 | 32 | 21 | 21 | 4.0 |
| ROOM HEATERS WITH FLUE | 418 | 10 | 33 | 81 | 130 | 77 | 56 | 31 | 4.1 |
| ROOM HEATERS WITHOUT FLUE | 42 | 2 | 4 | - | 24 | 2 | 5 | 5 | 4.1 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 126 | - | 6 | 7 | 21 | 31 | 28 | 32 | 5.4 |
| NONE | 5 | 2 | 2 | 2 | - | - | - | - | ... |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE C-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 21 564 | 196 | 463 | 1 675 | 3 570 | 5 400 | 4 842 | 5 417 | 5.4 |
| UNITS OCCUPIED LAST WINTER | 18 657 | 119 | 291 | 1 136 | 2 787 | 4 830 | 4 455 | 5 040 | 5.5 |
| INSUFFICIENT HEAT | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | |
| OWNER OCCUPIED | 14 391 | 34 | 74 | 229 | 1 497 | 3 917 | 3 968 | 4 672 | 5.9 |
| WITH HEATING EQUIPMENT | 14 390 | 34 | 74 | 229 | 1 497 | 3 916 | 3 966 | 4 672 | 5.9 |
| NO ROOMS CLOSED | 13 792 | 34 | 68 | 220 | 1 440 | 3 756 | 3 827 | 4 446 | 5.8 |
| CLOSED CERTAIN ROOMS | 389 | 1 | 6 | 4 | 31 | 102 | 88 | 157 | 6.1 |
| LIVING ROOM ONLY | 17 | - | - | - | 5 | - | 2 | 10 | ... |
| DINING ROOM ONLY | 3 | - | - | - | - | - | - | 3 | ... |
| 1 OR MORE BEDROOMS ONLY | 269 | - | 4 | - | 21 | 77 | 60 | 107 | 6.0 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 92 | 1 | - | 2 | 3 | 24 | 26 | 37 | 6.1 |
| NOT REPORTED | 7 | - | 2 | 2 | 2 | 2 | - | - | ... |
| NOT REPORTED | 209 | - | - | 5 | 26 | 57 | 53 | 69 | 5.8 |
| NO HEATING EQUIPMENT | 1 | - | - | - | - | 1 | - | - | ... |
| RENTER OCCUPIED | 4 266 | 85 | 217 | 906 | 1 290 | 913 | 487 | 368 | 4.2 |
| WITH HEATING EQUIPMENT | 4 262 | 83 | 217 | 905 | 1 290 | 913 | 487 | 368 | 4.2 |
| NO ROOMS CLOSED | 3 952 | 81 | 215 | 873 | 1 210 | 833 | 423 | 317 | 4.2 |
| CLOSED CERTAIN ROOMS | 230 | - | 2 | 14 | 55 | 63 | 51 | 46 | 5.2 |
| LIVING ROOM ONLY | 13 | - | - | - | - | 13 | - | - | ... |
| DINING ROOM ONLY | 2 | - | - | - | 2 | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 147 | - | - | 9 | 36 | 35 | 34 | 32 | 5.3 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 64 | - | 2 | 5 | 12 | 14 | 17 | 14 | 5.4 |
| NOT REPORTED | 5 | - | - | - | 5 | - | - | - | ... |
| NOT REPORTED | 80 | 2 | 1 | 17 | 26 | 17 | 13 | 4 | 4.3 |
| NO HEATING EQUIPMENT | 3 | 2 | - | 2 | - | - | - | - | ... |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | |
| OWNER OCCUPIED | 14 391 | 34 | 74 | 229 | 1 497 | 3 917 | 3 968 | 4 672 | 5.9 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 27 | 74 | 217 | 1 439 | 3 763 | 3 843 | 4 506 | 5.9 |
| NO ADDITIONAL HEAT SOURCE USED | 12 865 | 27 | 66 | 197 | 1 351 | 3 516 | 3 575 | 4 132 | 5.8 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 749 | - | 8 | 18 | 55 | 171 | 190 | 308 | 6.1 |
| NOT REPORTED | 255 | - | - | 2 | 33 | 76 | 78 | 66 | 5.7 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 7 | - | 12 | 58 | 154 | 125 | 166 | 5.7 |
| RENTER OCCUPIED | 4 266 | 85 | 217 | 906 | 1 290 | 913 | 487 | 368 | 4.2 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 83 | 210 | 899 | 1 259 | 888 | 460 | 336 | 4.2 |
| NO ADDITIONAL HEAT SOURCE USED | 3 523 | 68 | 176 | 769 | 1 073 | 752 | 390 | 294 | 4.2 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 506 | 12 | 28 | 109 | 161 | 109 | 50 | 37 | 4.1 |
| NOT REPORTED | 107 | 3 | 6 | 22 | 25 | 26 | 20 | 5 | 4.4 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 2 | 7 | 7 | 31 | 25 | 27 | 31 | 5.2 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | |
| OWNER OCCUPIED | 14 391 | 34 | 74 | 229 | 1 497 | 3 917 | 3 968 | 4 672 | 5.9 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 27 | 74 | 217 | 1 439 | 3 763 | 3 843 | 4 506 | 5.9 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 11 780 | 25 | 63 | 186 | 1 223 | 3 292 | 3 275 | 3 717 | 5.8 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 837 | 3 | 11 | 30 | 184 | 387 | 498 | 725 | 6.1 |
| 1 ROOM | 682 | 3 | 5 | 16 | 67 | 120 | 219 | 251 | 6.1 |
| 2 ROOMS | 501 | - | 5 | 9 | 62 | 123 | 117 | 185 | 5.9 |
| 3 ROOMS OR MORE | 654 | - | - | 5 | 55 | 145 | 161 | 289 | 6.3 |
| NOT REPORTED | 252 | - | - | 2 | 32 | 84 | 70 | 64 | 5.6 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 7 | - | 12 | 58 | 154 | 125 | 166 | 5.7 |
| RENTER OCCUPIED | 4 266 | 85 | 217 | 906 | 1 290 | 913 | 487 | 368 | 4.2 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 83 | 210 | 899 | 1 259 | 888 | 460 | 336 | 4.2 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 409 | 76 | 188 | 773 | 1 044 | 749 | 348 | 230 | 4.1 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 610 | 2 | 15 | 101 | 190 | 111 | 92 | 99 | 4.5 |
| 1 ROOM | 260 | 2 | 12 | 77 | 65 | 33 | 36 | 35 | 4.1 |
| 2 ROOMS | 169 | - | 3 | 20 | 78 | 32 | 20 | 16 | 4.3 |
| 3 ROOMS OR MORE | 181 | - | - | 4 | 47 | 45 | 37 | 48 | 5.4 |
| NOT REPORTED | 118 | 5 | 7 | 26 | 25 | 28 | 20 | 6 | 4.3 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 2 | 7 | 7 | 31 | 25 | 27 | 31 | 5.2 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE C-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | |
| OWNER OCCUPIED | 14 391 | 34 | 74 | 229 | 1 497 | 3 917 | 3 968 | 4 672 | 5.9 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 27 | 74 | 217 | 1 439 | 3 763 | 3 843 | 4 506 | 5.9 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 7 | - | 12 | 58 | 154 | 125 | 166 | 5.7 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 389 | 5 | - | 9 | 49 | 114 | 90 | 121 | 5.7 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 26 | 2 | - | 3 | 2 | 7 | 8 | 4 | ... |
| NOT REPORTED | 108 | - | - | - | 7 | 33 | 26 | 41 | 6.0 |
| RENTER OCCUPIED | 4 266 | 85 | 217 | 906 | 1 290 | 913 | 487 | 368 | 4.2 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 83 | 210 | 899 | 1 259 | 888 | 460 | 336 | 4.2 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 2 | 7 | 7 | 31 | 25 | 27 | 31 | 5.2 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 79 | 2 | 3 | 4 | 14 | 16 | 21 | 21 | 5.6 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 22 | - | 2 | 2 | 2 | 7 | 5 | 5 | ... |
| NOT REPORTED | 29 | - | 3 | 2 | 15 | 2 | 2 | 6 | ... |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 196 | 463 | 1 675 | 3 570 | 5 400 | 4 842 | 5 417 | 5.4 |
| AIR CONDITIONING | | | | | | | | | |
| OWNER OCCUPIED | 15 140 | 38 | 74 | 259 | 1 632 | 4 075 | 4 147 | 4 916 | 5.8 |
| WITH AIR CONDITIONING | 9 216 | 22 | 41 | 145 | 940 | 2 446 | 2 573 | 3 048 | 5.9 |
| ROOM UNITS | 4 335 | 9 | 19 | 96 | 584 | 1 300 | 1 203 | 1 124 | 5.6 |
| 1 | 2 978 | 6 | 11 | 79 | 476 | 918 | 776 | 712 | 5.5 |
| 2 | 1 070 | 2 | 6 | 11 | 97 | 331 | 340 | 283 | 5.8 |
| 3 | 223 | - | 2 | 6 | 9 | 47 | 66 | 93 | 6.2 |
| 4 | 48 | 2 | - | - | 2 | 4 | 13 | 28 | 6.5+ |
| 5 OR MORE | 17 | - | - | - | - | - | 7 | 9 | ... |
| CENTRAL SYSTEM | 4 880 | 12 | 23 | 50 | 356 | 1 146 | 1 371 | 1 924 | 6.1 |
| WITH NO AIR CONDITIONING | 5 925 | 16 | 32 | 114 | 692 | 1 629 | 1 574 | 1 868 | 5.8 |
| RENTER OCCUPIED | 6 424 | 158 | 389 | 1 416 | 1 938 | 1 326 | 695 | 502 | 4.1 |
| WITH AIR CONDITIONING | 3 339 | 56 | 159 | 845 | 1 159 | 613 | 278 | 229 | 4.0 |
| ROOM UNITS | 2 215 | 37 | 117 | 601 | 763 | 395 | 167 | 135 | 4.0 |
| 1 | 1 811 | 37 | 116 | 544 | 625 | 289 | 111 | 88 | 3.8 |
| 2 | 345 | - | 2 | 55 | 127 | 89 | 41 | 32 | 4.4 |
| 3 | 51 | - | - | 2 | 12 | 13 | 13 | 12 | 5.5 |
| 4 | 7 | - | - | - | - | 4 | 2 | 2 | ... |
| 5 OR MORE | 2 | - | - | - | - | - | - | 2 | ... |
| CENTRAL SYSTEM | 1 124 | 18 | 42 | 244 | 396 | 218 | 111 | 94 | 4.1 |
| WITH NO AIR CONDITIONING | 3 085 | 102 | 230 | 572 | 778 | 713 | 417 | 272 | 4.3 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE C-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 4 289 | 17 275 | 4 100 | 3 373 | 1 692 | 8 110 |
| HOUSE HEATING FUEL | | | | | | | |
| OWNER OCCUPIED | 15 140 | 2 984 | 12 156 | 2 862 | 2 838 | 1 346 | 5 109 |
| UTILITY GAS | 10 721 | 1 607 | 9 114 | 2 072 | 2 270 | 1 092 | 3 681 |
| BOTTLED, TANK, OR LP GAS | 1 124 | 337 | 787 | 235 | 88 | 64 | 400 |
| FUEL OIL | 1 689 | 199 | 1 489 | 252 | 370 | 133 | 734 |
| KEROSENE, ETC | 13 | 1 | 12 | 9 | - | - | 3 |
| ELECTRICITY | 1 357 | 793 | 564 | 266 | 89 | 40 | 170 |
| COAL OR COKE | 34 | 3 | 31 | 4 | 2 | 6 | 20 |
| WOOD | 193 | 41 | 152 | 22 | 19 | 12 | 99 |
| SOLAR HEAT | 3 | 1 | 2 | 2 | - | - | - |
| OTHER FUEL | 5 | 1 | 4 | 2 | - | - | 2 |
| NONE | 1 | - | 1 | - | - | - | 1 |
| RENTER OCCUPIED | 6 424 | 1 305 | 5 119 | 1 237 | 535 | 346 | 3 001 |
| UTILITY GAS | 4 586 | 669 | 3 918 | 907 | 423 | 259 | 2 328 |
| BOTTLED, TANK, OR LP GAS | 251 | 39 | 212 | 31 | 20 | 15 | 146 |
| FUEL OIL | 626 | 50 | 576 | 103 | 60 | 53 | 360 |
| KEROSENE, ETC | - | - | - | - | - | - | - |
| ELECTRICITY | 854 | 542 | 312 | 189 | 26 | 13 | 84 |
| COAL OR COKE | 18 | - | 18 | - | 1 | 2 | 15 |
| WOOD | 63 | 4 | 59 | 3 | 5 | 5 | 46 |
| SOLAR HEAT | - | - | - | - | - | - | - |
| OTHER FUEL | 21 | 2 | 19 | 3 | - | - | 16 |
| NONE | 5 | - | 5 | - | - | - | 5 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 2 086 | 10 039 | 2 393 | 2 621 | 1 204 | 3 821 |
| ELECTRICITY PAID FOR | 12 115 | 2 083 | 10 032 | 2 393 | 2 621 | 1 204 | 3 813 |
| LESS THAN $10 | 83 | 3 | 81 | 9 | 9 | 10 | 52 |
| $10 TO $19 | 732 | 42 | 691 | 83 | 135 | 86 | 387 |
| $20 TO $29 | 1 998 | 183 | 1 815 | 283 | 464 | 228 | 840 |
| $30 TO $39 | 2 683 | 334 | 2 349 | 465 | 659 | 349 | 877 |
| $40 TO $49 | 2 076 | 345 | 1 732 | 469 | 497 | 204 | 562 |
| $50 TO $59 | 1 721 | 262 | 1 459 | 409 | 402 | 160 | 489 |
| $60 TO $79 | 1 582 | 386 | 1 197 | 395 | 315 | 128 | 359 |
| $80 TO $99 | 563 | 211 | 352 | 127 | 62 | 29 | 134 |
| $100 TO $149 | 539 | 256 | 282 | 118 | 70 | 9 | 85 |
| $150 OR MORE | 137 | 63 | 74 | 34 | 9 | 2 | 29 |
| MEDIAN | 42 | 55 | 40 | 47 | 41 | 37 | 36 |
| NO ELECTRICITY USED | 10 | 3 | 8 | - | - | - | 8 |
| SPECIFIED RENTER OCCUPIED[2] | 6 199 | 1 295 | 4 904 | 1 219 | 520 | 325 | 2 840 |
| ELECTRICITY PAID FOR | 5 177 | 1 107 | 4 070 | 1 086 | 445 | 269 | 2 270 |
| LESS THAN $10 | 312 | 24 | 288 | 79 | 17 | 16 | 176 |
| $10 TO $19 | 1 389 | 236 | 1 153 | 329 | 117 | 77 | 629 |
| $20 TO $29 | 1 315 | 234 | 1 081 | 288 | 125 | 67 | 601 |
| $30 TO $39 | 940 | 238 | 701 | 171 | 74 | 45 | 410 |
| $40 TO $49 | 421 | 125 | 297 | 73 | 40 | 35 | 148 |
| $50 TO $59 | 353 | 111 | 243 | 70 | 27 | 15 | 130 |
| $60 TO $79 | 280 | 75 | 204 | 41 | 26 | 13 | 124 |
| $80 TO $99 | 78 | 21 | 58 | 16 | 13 | - | 29 |
| $100 TO $149 | 55 | 32 | 24 | 11 | - | - | 13 |
| $150 OR MORE | 33 | 11 | 21 | 7 | 5 | - | 10 |
| MEDIAN | 26 | 32 | 25 | 24 | 26 | 26 | 25 |
| INCLUDED IN RENT | 1 003 | 187 | 816 | 131 | 70 | 56 | 559 |
| NO ELECTRICITY USED | 20 | 2 | 18 | 2 | 5 | - | 11 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 12 125 | 2 086 | 10 039 | 2 393 | 2 621 | 1 204 | 3 821 |
| GAS PAID FOR | 10 539 | 1 428 | 9 110 | 2 115 | 2 365 | 1 108 | 3 522 |
| LESS THAN $10 | 175 | 22 | 154 | 31 | 28 | 23 | 71 |
| $10 TO $14 | 201 | 42 | 160 | 19 | 32 | 25 | 83 |
| $15 TO $19 | 246 | 34 | 213 | 20 | 57 | 31 | 104 |
| $20 TO $24 | 362 | 48 | 334 | 76 | 91 | 38 | 131 |
| $25 TO $29 | 598 | 61 | 537 | 113 | 178 | 75 | 171 |
| $30 TO $39 | 1 707 | 217 | 1 490 | 365 | 420 | 188 | 517 |
| $40 TO $49 | 1 978 | 285 | 1 693 | 394 | 527 | 203 | 567 |
| $50 TO $69 | 3 342 | 482 | 2 861 | 688 | 699 | 357 | 1 117 |
| $70 TO $99 | 1 434 | 187 | 1 246 | 297 | 266 | 136 | 548 |
| $100 OR MORE | 475 | 50 | 424 | 111 | 67 | 32 | 214 |
| MEDIAN | 49 | 50 | 49 | 51 | 46 | 48 | 52 |
| NO GAS USED | 1 587 | 658 | 929 | 278 | 256 | 96 | 298 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE C-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 1 295 | 4 904 | 1 219 | 520 | 325 | 2 840 |
| GAS PAID FOR | 3 207 | 354 | 2 853 | 487 | 329 | 228 | 1 810 |
| LESS THAN $10 | 366 | 25 | 342 | 52 | 27 | 27 | 236 |
| $10 TO $14 | 285 | 46 | 240 | 41 | 21 | 17 | 160 |
| $15 TO $19 | 251 | 39 | 212 | 40 | 27 | 20 | 125 |
| $20 TO $24 | 243 | 43 | 201 | 52 | 40 | 13 | 96 |
| $25 TO $29 | 241 | 36 | 205 | 48 | 20 | 24 | 114 |
| $30 TO $39 | 496 | 69 | 426 | 90 | 61 | 39 | 236 |
| $40 TO $49 | 388 | 24 | 364 | 63 | 58 | 30 | 213 |
| $50 TO $69 | 571 | 55 | 516 | 75 | 59 | 34 | 349 |
| $70 TO $99 | 240 | 9 | 231 | 20 | 12 | 19 | 181 |
| $100 OR MORE | 124 | 9 | 116 | 7 | 4 | 6 | 99 |
| MEDIAN | 34 | 28 | 35 | 31 | 34 | 33 | 37 |
| INCLUDED IN RENT | 2 192 | 520 | 1 672 | 575 | 157 | 79 | 861 |
| NO GAS USED | 801 | 422 | 379 | 158 | 34 | 18 | 170 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 12 125 | 2 086 | 10 039 | 2 393 | 2 621 | 1 204 | 3 821 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 003 | 423 | 1 580 | 404 | 387 | 183 | 606 |
| LESS THAN $100 | 483 | 151 | 333 | 122 | 72 | 40 | 98 |
| $100 TO $199 | 266 | 93 | 174 | 73 | 25 | 13 | 63 |
| $200 TO $299 | 156 | 40 | 116 | 19 | 31 | 18 | 47 |
| $300 TO $399 | 111 | 26 | 85 | 23 | 16 | 14 | 32 |
| $400 TO $499 | 120 | 11 | 110 | 32 | 37 | 10 | 31 |
| $500 TO $599 | 126 | 9 | 118 | 26 | 31 | 16 | 45 |
| $600 TO $699 | 159 | 17 | 143 | 28 | 34 | 22 | 58 |
| $700 TO $799 | 133 | 22 | 110 | 18 | 33 | 17 | 42 |
| $800 OR MORE | 448 | 56 | 392 | 63 | 107 | 33 | 189 |
| MEDIAN | 386 | 165 | 475 | 236 | 537 | 469 | 570 |
| FUELS NOT USED OR FREE | 10 122 | 1 663 | 8 459 | 1 989 | 2 234 | 1 021 | 3 215 |
| SPECIFIED RENTER OCCUPIED[1] | 6 199 | 1 295 | 4 904 | 1 219 | 520 | 325 | 2 840 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 338 | 30 | 308 | 51 | 40 | 31 | 186 |
| LESS THAN $100 | 61 | 13 | 48 | 10 | 6 | 5 | 26 |
| $100 TO $199 | 55 | 9 | 45 | 8 | - | 2 | 36 |
| $200 TO $299 | 27 | 4 | 23 | 2 | 4 | 2 | 15 |
| $300 TO $399 | 24 | - | 24 | 7 | 7 | - | 11 |
| $400 TO $499 | 25 | - | 25 | 7 | 6 | 3 | 8 |
| $500 TO $599 | 14 | 1 | 13 | 2 | 2 | 2 | 8 |
| $600 TO $699 | 23 | - | 23 | - | 3 | 3 | 17 |
| $700 TO $799 | 13 | - | 13 | 2 | 4 | 2 | 5 |
| $800 OR MORE | 97 | 3 | 94 | 14 | 6 | 13 | 61 |
| MEDIAN | 410 | ... | 453 | 373 | 434 | ... | 470 |
| INCLUDED IN RENT | 561 | 103 | 458 | 106 | 33 | 29 | 290 |
| FUELS NOT USED OR FREE | 5 301 | 1 162 | 4 139 | 1 063 | 447 | 266 | 2 364 |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 4 289 | 17 275 | 4 100 | 3 373 | 1 692 | 8 110 |
| HEATING EQUIPMENT | | | | | | | |
| OWNER OCCUPIED | 15 140 | 2 984 | 12 156 | 2 862 | 2 838 | 1 346 | 5 109 |
| WARM-AIR FURNACE | 11 586 | 2 209 | 9 376 | 2 283 | 2 484 | 1 120 | 3 490 |
| HEAT PUMP | 208 | 175 | 33 | 13 | 5 | 2 | 13 |
| STEAM OR HOT WATER | 1 304 | 124 | 1 180 | 233 | 163 | 70 | 713 |
| BUILT-IN ELECTRIC UNITS | 694 | 336 | 358 | 182 | 53 | 14 | 108 |
| FLOOR, WALL, OR PIPELESS FURNACE | 317 | 30 | 287 | 44 | 51 | 50 | 142 |
| ROOM HEATERS WITH FLUE | 490 | 5 | 485 | 14 | 28 | 58 | 385 |
| ROOM HEATERS WITHOUT FLUE | 44 | 3 | 41 | 1 | 2 | 4 | 34 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 497 | 102 | 395 | 91 | 52 | 28 | 224 |
| NONE | 1 | - | 1 | - | - | - | 1 |
| RENTER OCCUPIED | 6 424 | 1 305 | 5 119 | 1 237 | 535 | 346 | 3 001 |
| WARM-AIR FURNACE | 3 399 | 690 | 2 709 | 718 | 334 | 234 | 1 423 |
| HEAT PUMP | 30 | 20 | 11 | - | 2 | 3 | 6 |
| STEAM OR HOT WATER | 1 642 | 247 | 1 396 | 334 | 113 | 52 | 897 |
| BUILT-IN ELECTRIC UNITS | 556 | 330 | 226 | 138 | 17 | 6 | 65 |
| FLOOR, WALL, OR PIPELESS FURNACE | 206 | 10 | 197 | 28 | 35 | 20 | 113 |
| ROOM HEATERS WITH FLUE | 418 | 5 | 413 | 12 | 24 | 20 | 356 |
| ROOM HEATERS WITHOUT FLUE | 42 | - | 42 | 1 | - | 4 | 37 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 126 | 4 | 122 | 6 | 10 | 7 | 99 |
| NONE | 5 | - | 5 | - | - | - | 5 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE C-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 4 289 | 17 275 | 4 100 | 3 373 | 1 692 | 8 110 |
| UNITS OCCUPIED LAST WINTER | 18 657 | 3 477 | 15 180 | 3 592 | 3 098 | 1 542 | 6 949 |
| INSUFFICIENT HEAT | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | |
| OWNER OCCUPIED | 14 391 | 2 685 | 11 706 | 2 755 | 2 748 | 1 297 | 4 906 |
| WITH HEATING EQUIPMENT | 14 390 | 2 685 | 11 705 | 2 755 | 2 748 | 1 297 | 4 905 |
| NO ROOMS CLOSED | 13 792 | 2 633 | 11 159 | 2 678 | 2 663 | 1 259 | 4 558 |
| CLOSED CERTAIN ROOMS | 389 | 22 | 367 | 36 | 44 | 28 | 256 |
| LIVING ROOM ONLY | 17 | 1 | 16 | - | 2 | 2 | 11 |
| DINING ROOM ONLY | 3 | - | 3 | 3 | - | - | - |
| 1 OR MORE BEDROOMS ONLY | 269 | 15 | 255 | 19 | 33 | 18 | 185 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 92 | 6 | 86 | 14 | 7 | 7 | 59 |
| NOT REPORTED | 7 | - | 7 | - | 2 | 2 | 3 |
| NOT REPORTED | 209 | 30 | 179 | 41 | 40 | 9 | 89 |
| NO HEATING EQUIPMENT | 1 | - | 1 | - | - | - | 1 |
| RENTER OCCUPIED | 4 266 | 792 | 3 474 | 836 | 350 | 245 | 2 042 |
| WITH HEATING EQUIPMENT | 4 262 | 792 | 3 470 | 836 | 350 | 245 | 2 039 |
| NO ROOMS CLOSED | 3 952 | 774 | 3 178 | 801 | 328 | 228 | 1 821 |
| CLOSED CERTAIN ROOMS | 230 | 7 | 224 | 19 | 12 | 9 | 184 |
| LIVING ROOM ONLY | 13 | - | 13 | - | - | - | 13 |
| DINING ROOM ONLY | 2 | - | 2 | - | - | - | 2 |
| 1 OR MORE BEDROOMS ONLY | 147 | 5 | 142 | 14 | 7 | 9 | 112 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 64 | 2 | 62 | 4 | 4 | - | 55 |
| NOT REPORTED | 5 | - | 5 | 2 | 2 | - | 2 |
| NOT REPORTED | 80 | 11 | 68 | 16 | 10 | 8 | 34 |
| NO HEATING EQUIPMENT | 3 | - | 3 | - | - | - | 3 |
| ADDITIONAL HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 14 391 | 2 685 | 11 706 | 2 755 | 2 748 | 1 297 | 4 906 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 2 583 | 11 285 | 2 669 | 2 697 | 1 265 | 4 654 |
| NO ADDITIONAL HEAT SOURCE USED | 12 865 | 2 422 | 10 443 | 2 508 | 2 508 | 1 180 | 4 246 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 749 | 119 | 629 | 120 | 144 | 58 | 308 |
| NOT REPORTED | 255 | 42 | 213 | 41 | 45 | 27 | 101 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 102 | 421 | 87 | 51 | 32 | 252 |
| RENTER OCCUPIED | 4 266 | 792 | 3 474 | 836 | 350 | 245 | 2 042 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 791 | 3 346 | 829 | 340 | 238 | 1 939 |
| NO ADDITIONAL HEAT SOURCE USED | 3 523 | 716 | 2 807 | 745 | 288 | 208 | 1 567 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 506 | 56 | 451 | 66 | 37 | 24 | 325 |
| NOT REPORTED | 107 | 19 | 88 | 19 | 15 | 7 | 47 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 2 | 128 | 7 | 10 | 7 | 104 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 14 391 | 2 685 | 11 706 | 2 755 | 2 748 | 1 297 | 4 906 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 2 583 | 11 285 | 2 669 | 2 697 | 1 265 | 4 654 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 11 780 | 2 463 | 9 317 | 2 544 | 2 454 | 1 058 | 3 261 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 837 | 74 | 1 764 | 92 | 198 | 182 | 1 292 |
| 1 ROOM | 682 | 50 | 631 | 60 | 101 | 68 | 402 |
| 2 ROOMS | 501 | 6 | 495 | 16 | 40 | 55 | 384 |
| 3 ROOMS OR MORE | 654 | 17 | 637 | 16 | 57 | 59 | 506 |
| NOT REPORTED | 252 | 47 | 205 | 33 | 44 | 25 | 102 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 102 | 421 | 87 | 51 | 32 | 252 |
| RENTER OCCUPIED | 4 266 | 792 | 3 474 | 836 | 350 | 245 | 2 042 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 791 | 3 346 | 829 | 340 | 238 | 1 939 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 409 | 758 | 2 650 | 779 | 293 | 196 | 1 382 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 610 | 6 | 604 | 32 | 33 | 33 | 506 |
| 1 ROOM | 260 | 6 | 254 | 17 | 9 | 10 | 219 |
| 2 ROOMS | 169 | - | 169 | 13 | 10 | 12 | 134 |
| 3 ROOMS OR MORE | 161 | - | 181 | 2 | 14 | 11 | 153 |
| NOT REPORTED | 118 | 26 | 91 | 19 | 14 | 8 | 51 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 2 | 128 | 7 | 10 | 7 | 104 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE C-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | |
| OWNER OCCUPIED | 14 391 | 2 685 | 11 706 | 2 755 | 2 748 | 1 297 | 4 906 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 13 869 | 2 583 | 11 285 | 2 669 | 2 697 | 1 265 | 4 654 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 523 | 102 | 421 | 87 | 51 | 32 | 252 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 389 | 64 | 325 | 76 | 30 | 26 | 193 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 26 | 5 | 20 | 3 | 1 | 2 | 14 |
| NOT REPORTED | 108 | 32 | 76 | 8 | 20 | 4 | 45 |
| RENTER OCCUPIED | 4 266 | 792 | 3 474 | 836 | 350 | 245 | 2 042 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 136 | 791 | 3 346 | 829 | 340 | 238 | 1 939 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 130 | 2 | 128 | 7 | 10 | 7 | 104 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 79 | - | 79 | 7 | 5 | 2 | 65 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 22 | 2 | 20 | - | - | 2 | 18 |
| NOT REPORTED | 29 | - | 29 | - | 5 | 4 | 20 |
| ALL OCCUPIED HOUSING UNITS | 21 564 | 4 289 | 17 275 | 4 100 | 3 373 | 1 692 | 8 110 |
| AIR CONDITIONING | | | | | | | |
| OWNER OCCUPIED | 15 140 | 2 934 | 12 156 | 2 862 | 2 838 | 1 346 | 5 109 |
| WITH AIR CONDITIONING | 9 216 | 2 046 | 7 170 | 1 896 | 1 883 | 825 | 2 566 |
| ROOM UNITS | 4 335 | 347 | 3 988 | 650 | 902 | 509 | 1 927 |
| 1 | 2 978 | 276 | 2 702 | 464 | 603 | 362 | 1 273 |
| 2 | 1 070 | 63 | 1 006 | 149 | 248 | 120 | 490 |
| 3 | 223 | 8 | 215 | 31 | 44 | 24 | 116 |
| 4 | 48 | - | 48 | 2 | 7 | 4 | 36 |
| 5 OR MORE | 17 | - | 17 | 4 | - | - | 13 |
| CENTRAL SYSTEM | 4 880 | 1 699 | 3 182 | 1 246 | 981 | 316 | 639 |
| WITH NO AIR CONDITIONING | 5 925 | 938 | 4 986 | 967 | 955 | 521 | 2 544 |
| RENTER OCCUPIED | 6 424 | 1 305 | 5 119 | 1 237 | 535 | 346 | 3 001 |
| WITH AIR CONDITIONING | 3 339 | 1 070 | 2 269 | 924 | 280 | 150 | 915 |
| ROOM UNITS | 2 215 | 488 | 1 728 | 591 | 204 | 117 | 816 |
| 1 | 1 811 | 412 | 1 399 | 504 | 159 | 86 | 650 |
| 2 | 345 | 71 | 274 | 70 | 37 | 31 | 136 |
| 3 | 51 | 5 | 46 | 13 | 6 | - | 26 |
| 4 | 7 | - | 7 | 3 | 2 | - | 2 |
| 5 OR MORE | 2 | - | 2 | - | - | - | 2 |
| CENTRAL SYSTEM | 1 124 | 582 | 541 | 333 | 76 | 33 | 99 |
| WITH NO AIR CONDITIONING | 3 085 | 235 | 2 850 | 313 | 255 | 196 | 2 085 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE C-8. MONTHLY COST PAID FOR ELECTRICITY BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISITCS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $10 | $10 TO $19 | $20 TO $29 | $30 TO $39 | $40 TO $49 | $50 TO $59 | $60 TO $79 | $80 TO $99 | $100 TO $149 | $150 OR MORE | NO ELECTRICITY USED OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 12 125 | 83 | 732 | 1 998 | 2 683 | 2 076 | 1 721 | 1 582 | 563 | 539 | 137 | 10 | 42 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| ELECTRICITY | 965 | - | 6 | 25 | 48 | 70 | 99 | 244 | 176 | 229 | 69 | - | 78 |
| OTHER THAN ELECTRICITY | 11 159 | 83 | 725 | 1 973 | 2 635 | 2 007 | 1 622 | 1 338 | 388 | 310 | 68 | 10 | 41 |
| UTILITY GAS | 9 334 | 61 | 642 | 1 715 | 2 266 | 1 667 | 1 318 | 1 068 | 288 | 244 | 59 | 6 | 39 |
| BOTTLED, TANK, OR LP GAS | 532 | 5 | 26 | 90 | 124 | 113 | 81 | 67 | 19 | 5 | 1 | 2 | 42 |
| FUEL OIL | 1 136 | 14 | 52 | 142 | 216 | 193 | 205 | 183 | 70 | 51 | 8 | 1 | 47 |
| KEROSENE, ETC | 10 | - | - | 3 | 1 | 6 | - | - | - | - | - | - | ... |
| COAL OR COKE | 19 | - | 2 | 2 | 4 | 7 | - | 2 | - | - | - | 2 | ... |
| WOOD | 125 | 4 | 3 | 18 | 23 | 21 | 18 | 19 | 10 | 9 | - | - | 46 |
| SOLAR HEAT | 3 | - | - | 2 | - | - | - | - | - | 1 | - | - | ... |
| OTHER FUEL | 1 | - | - | - | - | - | - | - | 1 | - | - | - | ... |
| NONE | 1 | - | 1 | - | - | - | - | - | - | - | - | - | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 9 651 | 50 | 553 | 1 645 | 2 270 | 1 766 | 1 391 | 1 202 | 379 | 316 | 76 | 4 | 42 |
| HEAT PUMP | 177 | - | - | 3 | 4 | 12 | 21 | 37 | 31 | 55 | 15 | - | 87 |
| STEAM OR HOT WATER | 917 | 10 | 55 | 145 | 215 | 130 | 156 | 130 | 35 | 27 | 9 | 5 | 42 |
| BUILT-IN ELECTRIC UNITS | 481 | - | 4 | 9 | 13 | 30 | 55 | 130 | 96 | 112 | 32 | - | 79 |
| FLOOR, WALL, OR PIPELESS FURNACE | 230 | 4 | 39 | 56 | 53 | 28 | 26 | 16 | - | 6 | 2 | - | 33 |
| ROOM HEATERS WITH FLUE | 324 | 15 | 71 | 86 | 63 | 34 | 29 | 14 | 4 | 7 | 2 | - | 28 |
| ROOM HEATERS WITHOUT FLUE | 31 | - | 7 | 4 | 7 | 9 | 2 | - | 3 | - | - | - | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 313 | 4 | 3 | 50 | 58 | 69 | 41 | 54 | 16 | 15 | 1 | 2 | 45 |
| NONE | 1 | - | 1 | - | - | - | - | - | - | - | - | - | ... |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 1 669 | 58 | 330 | 501 | 370 | 187 | 88 | 66 | 12 | 42 | 14 | 2 | 28 |
| 2 PERSONS | 3 806 | 15 | 278 | 789 | 993 | 632 | 460 | 383 | 121 | 109 | 23 | 4 | 37 |
| 3 PERSONS | 2 193 | 4 | 59 | 315 | 512 | 377 | 375 | 303 | 118 | 109 | 23 | - | 45 |
| 4 PERSONS | 2 522 | 5 | 44 | 254 | 515 | 497 | 409 | 474 | 149 | 137 | 37 | - | 48 |
| 5 PERSONS | 1 277 | 2 | 18 | 96 | 223 | 245 | 259 | 212 | 110 | 86 | 23 | 3 | 52 |
| 6 PERSONS | 423 | - | 2 | 29 | 43 | 83 | 92 | 95 | 30 | 39 | 11 | - | 55 |
| 7 PERSONS OR MORE | 235 | - | 2 | 14 | 28 | 56 | 38 | 50 | 23 | 17 | 6 | 2 | 54 |
| MEDIAN | 2.8 | 1.5- | 1.6 | 2.1 | 2.5 | 3.1 | 3.3 | 3.6 | 3.7 | 3.6 | 3.7 | ... | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 7 542 | 22 | 295 | 978 | 1 600 | 1 408 | 1 140 | 1 145 | 431 | 415 | 108 | 2 | 46 |
| ROOM UNITS | 3 421 | 19 | 231 | 612 | 888 | 641 | 460 | 363 | 100 | 84 | 22 | - | 39 |
| 1 | 2 332 | 17 | 184 | 451 | 625 | 421 | 293 | 221 | 53 | 51 | 17 | - | 37 |
| 2 | 855 | 2 | 39 | 134 | 209 | 176 | 129 | 104 | 36 | 20 | 6 | - | 42 |
| 3 | 182 | - | 6 | 20 | 42 | 35 | 31 | 33 | 5 | 10 | - | - | 46 |
| 4 | 39 | - | 2 | 7 | 6 | 7 | 8 | 5 | 4 | - | - | - | 46 |
| 5 OR MORE | 13 | - | - | - | 6 | 2 | - | - | 2 | 4 | - | - | ... |
| CENTRAL SYSTEM | 4 121 | 3 | 64 | 365 | 712 | 766 | 680 | 781 | 332 | 330 | 85 | 2 | 52 |
| WITH NO AIR CONDITIONING | 4 583 | 62 | 437 | 1 021 | 1 083 | 669 | 580 | 438 | 132 | 124 | 29 | 8 | 36 |
| SPECIFIED RENTER OCCUPIED[3] | 6 199 | 312 | 1 389 | 1 315 | 940 | 421 | 353 | 280 | 78 | 55 | 33 | 1 023 | 26 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| ELECTRICITY | 835 | 17 | 67 | 120 | 164 | 75 | 95 | 90 | 17 | 28 | 11 | 149 | 38 |
| OTHER THAN ELECTRICITY | 5 360 | 295 | 1 320 | 1 195 | 774 | 346 | 258 | 190 | 62 | 27 | 21 | 872 | 25 |
| UTILITY GAS | 4 543 | 249 | 1 150 | 1 062 | 650 | 269 | 207 | 128 | 48 | 20 | 20 | 742 | 24 |
| BOTTLED, TANK, OR LP GAS | 190 | 3 | 29 | 33 | 52 | 20 | 14 | 19 | 1 | 3 | - | 15 | 34 |
| FUEL OIL | 551 | 41 | 123 | 92 | 60 | 53 | 32 | 31 | 13 | 4 | 2 | 102 | 26 |
| KEROSENE, ETC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| COAL OR COKE | 15 | - | 5 | 5 | - | 2 | 1 | - | - | - | - | 2 | ... |
| WOOD | 39 | 2 | 3 | 3 | 8 | 3 | 4 | 11 | - | - | - | 5 | ... |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 21 | - | 10 | - | 4 | - | - | - | - | - | - | 7 | ... |
| NONE | 5 | - | 2 | - | 2 | - | - | - | - | - | - | 2 | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 281 | 96 | 629 | 778 | 594 | 265 | 237 | 178 | 51 | 28 | 19 | 406 | 28 |
| HEAT PUMP | 30 | - | 2 | 2 | 2 | 8 | 2 | 4 | - | - | - | 12 | ... |
| STEAM OR HOT WATER | 1 627 | 155 | 541 | 296 | 137 | 53 | 26 | 20 | 7 | 3 | 3 | 385 | 18 |
| BUILT-IN ELECTRIC UNITS | 545 | 12 | 51 | 89 | 99 | 50 | 58 | 43 | 10 | 20 | 5 | 109 | 36 |
| FLOOR, WALL, OR PIPELESS FURNACE | 195 | 13 | 42 | 37 | 32 | 14 | 9 | 6 | 3 | 1 | 2 | 34 | 26 |
| ROOM HEATERS WITH FLUE | 394 | 26 | 106 | 95 | 43 | 23 | 13 | 11 | 5 | 3 | 3 | 66 | 23 |
| ROOM HEATERS WITHOUT FLUE | 39 | 7 | 9 | 10 | 10 | - | - | 2 | 1 | - | - | - | 23 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 83 | 3 | 8 | 8 | 21 | 8 | 9 | 16 | 2 | - | - | 8 | 38 |
| NONE | 5 | - | 2 | - | 2 | - | - | - | - | - | - | 2 | ... |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 2 430 | 211 | 742 | 484 | 230 | 79 | 56 | 44 | 5 | 4 | 10 | 564 | 19 |
| 2 PERSONS | 1 816 | 71 | 409 | 404 | 332 | 140 | 117 | 62 | 16 | 24 | 5 | 236 | 27 |
| 3 PERSONS | 936 | 13 | 153 | 231 | 180 | 88 | 66 | 55 | 19 | 9 | 13 | 109 | 31 |
| 4 PERSONS | 559 | 12 | 52 | 116 | 107 | 67 | 59 | 43 | 22 | 6 | 5 | 69 | 35 |
| 5 PERSONS | 282 | - | 20 | 47 | 59 | 33 | 35 | 46 | 11 | 7 | - | 23 | 41 |
| 6 PERSONS | 106 | 2 | 6 | 23 | 20 | 4 | 13 | 19 | - | 5 | - | 13 | 37 |
| 7 PERSONS OR MORE | 71 | 2 | 7 | 10 | 10 | 11 | 7 | 10 | 5 | - | - | 8 | 42 |
| MEDIAN | 1.9 | 1.5- | 1.5- | 1.9 | 2.2 | 2.4 | 2.6 | 3.1 | 3.5 | 2.4 | ... | 1.5- | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 3 257 | 128 | 730 | 724 | 537 | 254 | 237 | 170 | 48 | 32 | 21 | 376 | 27 |
| ROOM UNITS | 2 152 | 107 | 578 | 504 | 318 | 127 | 123 | 87 | 21 | 12 | 15 | 260 | 25 |
| 1 | 1 770 | 95 | 484 | 421 | 252 | 88 | 98 | 55 | 16 | 10 | 13 | 239 | 24 |
| 2 | 328 | 10 | 85 | 72 | 56 | 33 | 24 | 27 | 4 | - | 2 | 17 | 28 |
| 3 | 45 | - | 9 | 8 | 11 | 6 | 2 | 3 | - | 2 | - | 5 | 33 |
| 4 | 7 | 2 | - | 2 | - | - | - | 2 | 2 | - | - | - | ... |
| 5 OR MORE | 2 | - | - | 2 | - | - | - | - | - | - | - | - | ... |
| CENTRAL SYSTEM | 1 105 | 22 | 152 | 220 | 218 | 127 | 114 | 83 | 27 | 20 | 6 | 116 | 34 |
| WITH NO AIR CONDITIONING | 2 943 | 184 | 659 | 591 | 403 | 167 | 116 | 110 | 30 | 23 | 12 | 647 | 25 |

[1]RENTER HOUSEHOLDS WITH ELECTRICITY COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE C-9. MONTHLY COST PAID FOR GAS BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $10 | $10 TO $14 | $15 TO $19 | $20 TO $24 | $25 TO $29 | $30 TO $39 | $40 TO $49 | $50 TO $69 | $70 TO $99 | $100 OR MORE | NO GAS USED OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 12 125 | 175 | 201 | 246 | 382 | 598 | 1 707 | 1 978 | 3 342 | 1 434 | 475 | 1 587 | 49 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| GAS | 9 866 | 59 | 124 | 193 | 335 | 553 | 1 627 | 1 912 | 3 242 | 1 385 | 437 | - | 51 |
| UTILITY GAS | 9 334 | 53 | 110 | 179 | 312 | 523 | 1 566 | 1 852 | 3 077 | 1 296 | 366 | - | 50 |
| BOTTLED, TANK, OR LP GAS | 532 | 5 | 14 | 14 | 23 | 30 | 61 | 60 | 166 | 89 | 71 | - | 57 |
| OTHER THAN GAS | 2 258 | 117 | 77 | 54 | 46 | 46 | 80 | 66 | 100 | 49 | 38 | 1 587 | 29 |
| FUEL OIL | 1 136 | 85 | 43 | 42 | 26 | 26 | 46 | 27 | 66 | 41 | 17 | 718 | 27 |
| KEROSENE, ETC | 10 | - | 2 | - | - | 1 | - | 4 | 1 | - | - | 2 | ... |
| ELECTRICITY | 965 | 24 | 18 | 6 | 8 | 9 | 25 | 27 | 28 | 6 | 20 | 793 | 37 |
| COAL OR COKE | 19 | 2 | - | - | - | 2 | 4 | 2 | - | - | - | 10 | ... |
| WOOD | 125 | 7 | 14 | 5 | 11 | 8 | 4 | 7 | 5 | 2 | - | 62 | 22 |
| SOLAR HEAT | 3 | - | - | - | - | - | 2 | - | - | - | - | 1 | ... |
| OTHER FUEL | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - |
| NONE | 1 | - | - | - | 1 | - | - | - | - | - | - | - | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 9 651 | 100 | 123 | 170 | 303 | 481 | 1 491 | 1 760 | 2 905 | 1 205 | 366 | 748 | 50 |
| HEAT PUMP | 177 | 4 | - | - | - | - | 3 | 4 | 2 | - | 3 | 162 | ... |
| STEAM OR HOT WATER | 917 | 12 | 15 | 16 | 23 | 24 | 77 | 98 | 266 | 192 | 72 | 104 | 59 |
| BUILT-IN ELECTRIC UNITS | 481 | 17 | 9 | 2 | 4 | 4 | 8 | 7 | 5 | - | 3 | 422 | 22 |
| FLOOR, WALL, OR PIPELESS FURNACE | 230 | 10 | 16 | 15 | 11 | 32 | 45 | 42 | 42 | 11 | 5 | 2 | 36 |
| ROOM HEATERS WITH FLUE | 324 | 17 | 7 | 25 | 16 | 32 | 56 | 35 | 78 | 16 | 20 | 22 | 39 |
| ROOM HEATERS WITHOUT FLUE | 31 | - | - | 2 | - | 2 | 3 | 5 | 8 | 4 | 2 | 6 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 313 | 16 | 33 | 17 | 24 | 23 | 24 | 27 | 18 | 6 | 4 | 121 | 26 |
| NONE | 1 | - | - | - | 1 | - | - | - | - | - | - | - | ... |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 1 669 | 43 | 40 | 57 | 92 | 121 | 305 | 307 | 346 | 120 | 38 | 200 | 42 |
| 2 PERSONS | 3 806 | 63 | 69 | 94 | 140 | 230 | 654 | 636 | 992 | 334 | 114 | 480 | 46 |
| 3 PERSONS | 2 193 | 22 | 38 | 30 | 49 | 104 | 307 | 349 | 647 | 290 | 69 | 288 | 52 |
| 4 PERSONS | 2 522 | 27 | 36 | 45 | 59 | 83 | 285 | 411 | 753 | 377 | 103 | 342 | 54 |
| 5 PERSONS | 1 277 | 13 | 8 | 14 | 30 | 46 | 121 | 186 | 398 | 186 | 80 | 195 | 56 |
| 6 PERSONS | 423 | 5 | 8 | 2 | 7 | 6 | 23 | 56 | 148 | 73 | 42 | 53 | 60 |
| 7 PERSONS OR MORE | 235 | 2 | 2 | 5 | 4 | 10 | 12 | 33 | 58 | 53 | 28 | 28 | 62 |
| MEDIAN | 2.8 | 2.2 | 2.4 | 2.2 | 2.2 | 2.3 | 2.3 | 2.6 | 3.0 | 3.4 | 3.6 | 2.9 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 7 542 | 87 | 112 | 153 | 237 | 395 | 1 139 | 1 300 | 2 117 | 868 | 295 | 840 | 49 |
| ROOM UNITS | 3 421 | 50 | 69 | 90 | 112 | 194 | 580 | 537 | 952 | 384 | 125 | 328 | 48 |
| 1 | 2 332 | 41 | 46 | 71 | 73 | 145 | 412 | 363 | 627 | 221 | 89 | 244 | 46 |
| 2 | 855 | 6 | 19 | 13 | 35 | 40 | 145 | 149 | 255 | 101 | 21 | 71 | 48 |
| 3 | 182 | 3 | 4 | 6 | 2 | 7 | 18 | 25 | 50 | 45 | 11 | 11 | 58 |
| 4 | 39 | - | - | - | 2 | 2 | 4 | - | 21 | 9 | 2 | - | 61 |
| 5 OR MORE | 13 | - | - | - | - | - | 2 | - | - | 7 | 2 | 2 | ... |
| CENTRAL SYSTEM | 4 121 | 38 | 42 | 63 | 125 | 200 | 559 | 763 | 1 165 | 484 | 170 | 512 | 50 |
| WITH NO AIR CONDITIONING | 4 583 | 88 | 90 | 94 | 145 | 204 | 568 | 678 | 1 225 | 566 | 179 | 747 | 51 |
| SPECIFIED RENTER OCCUPIED[3] | 6 199 | 366 | 285 | 251 | 243 | 241 | 496 | 388 | 571 | 240 | 124 | 2 992 | 34 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| GAS | 4 734 | 294 | 240 | 218 | 222 | 220 | 476 | 369 | 544 | 234 | 113 | 1 803 | 35 |
| UTILITY GAS | 4 543 | 291 | 235 | 205 | 214 | 210 | 458 | 354 | 508 | 216 | 83 | 1 768 | 35 |
| BOTTLED, TANK, OR LP GAS | 190 | 3 | 5 | 13 | 8 | 10 | 19 | 15 | 37 | 17 | 30 | 34 | 53 |
| OTHER THAN GAS | 1 461 | 72 | 45 | 33 | 21 | 21 | 19 | 18 | 27 | 6 | 11 | 1 186 | 17 |
| FUEL OIL | 551 | 55 | 30 | 25 | 12 | 14 | 8 | 8 | 8 | 3 | 8 | 379 | 15 |
| KEROSENE, ETC | - | - | - | - | - | - | - | - | - | - | - | - | - |
| ELECTRICITY | 835 | 13 | 8 | 6 | 4 | 5 | 11 | 6 | 17 | 1 | 2 | 761 | 31 |
| COAL OR COKE | 15 | - | 4 | - | - | - | - | - | - | 2 | 2 | 8 | ... |
| WOOD | 39 | 3 | 2 | 2 | 4 | 2 | - | 2 | 2 | - | - | 23 | ... |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 21 | 2 | 2 | - | - | - | - | 2 | - | - | - | 16 | ... |
| NONE | 5 | - | - | - | - | - | - | 2 | - | - | - | 3 | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 281 | 145 | 151 | 159 | 180 | 159 | 345 | 286 | 418 | 184 | 87 | 1 168 | 37 |
| HEAT PUMP | 30 | 2 | - | - | - | - | - | - | - | - | - | 28 | ... |
| STEAM OR HOT WATER | 1 627 | 174 | 92 | 47 | 21 | 21 | 48 | 28 | 55 | 30 | 19 | 1 092 | 15 |
| BUILT-IN ELECTRIC UNITS | 545 | 11 | 2 | 4 | 2 | - | 4 | 1 | 8 | - | - | 513 | ... |
| FLOOR, WALL, OR PIPELESS FURNACE | 195 | 6 | 16 | 14 | 11 | 24 | 29 | 23 | 17 | 2 | 6 | 47 | 31 |
| ROOM HEATERS WITH FLUE | 394 | 21 | 17 | 18 | 23 | 32 | 53 | 45 | 67 | 18 | 13 | 87 | 37 |
| ROOM HEATERS WITHOUT FLUE | 39 | 1 | 4 | 7 | - | 2 | 11 | 2 | 3 | 3 | - | 7 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 83 | 6 | 3 | 3 | 6 | 3 | 5 | 2 | 3 | 3 | - | 48 | 23 |
| NONE | 5 | - | - | - | - | - | - | 2 | - | - | - | 3 | ... |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 2 430 | 178 | 120 | 95 | 96 | 96 | 147 | 82 | 133 | 26 | 15 | 1 442 | 25 |
| 2 PERSONS | 1 816 | 102 | 87 | 79 | 70 | 69 | 150 | 119 | 174 | 63 | 27 | 877 | 34 |
| 3 PERSONS | 936 | 48 | 37 | 36 | 43 | 38 | 92 | 96 | 134 | 45 | 23 | 345 | 40 |
| 4 PERSONS | 559 | 22 | 25 | 25 | 18 | 21 | 67 | 57 | 74 | 55 | 19 | 176 | 42 |
| 5 PERSONS | 282 | 10 | 11 | 13 | 9 | 12 | 20 | 21 | 37 | 32 | 12 | 105 | 46 |
| 6 PERSONS | 106 | 6 | 2 | 4 | 5 | 3 | 14 | 9 | 5 | 8 | 20 | 30 | 44 |
| 7 PERSONS OR MORE | 71 | 2 | 3 | - | 3 | 2 | 5 | 5 | 15 | 10 | 9 | 17 | 59 |
| MEDIAN | 1.9 | 1.5 | 1.6 | 1.9 | 1.9 | 1.8 | 2.2 | 2.4 | 2.4 | 3.2 | 3.4 | 1.6 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 3 257 | 168 | 123 | 121 | 146 | 118 | 252 | 168 | 237 | 76 | 40 | 1 809 | 32 |
| ROOM UNITS | 2 152 | 135 | 76 | 69 | 82 | 70 | 145 | 112 | 161 | 59 | 35 | 1 208 | 32 |
| 1 | 1 770 | 109 | 68 | 61 | 71 | 58 | 106 | 78 | 131 | 37 | 30 | 1 021 | 31 |
| 2 | 328 | 18 | 7 | 7 | 11 | 10 | 35 | 29 | 26 | 19 | 3 | 163 | 38 |
| 3 | 45 | 7 | - | 2 | - | - | 4 | 5 | 3 | 3 | 2 | 20 | ... |
| 4 | 7 | 2 | - | - | - | 2 | - | - | - | - | - | 4 | ... |
| 5 OR MORE | 2 | - | 2 | - | - | - | - | - | - | - | - | - | ... |
| CENTRAL SYSTEM | 1 105 | 33 | 47 | 52 | 63 | 48 | 107 | 57 | 77 | 16 | 4 | 601 | 31 |
| WITH NO AIR CONDITIONING | 2 943 | 198 | 163 | 131 | 98 | 123 | 243 | 220 | 334 | 164 | 85 | 1 183 | 36 |

[1]RENTER HOUSEHOLDS WITH ELECTRICITY COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE C-10. YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC., BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $100 | $100 TO $199 | $200 TO $299 | $300 TO $399 | $400 TO $499 | $500 TO $599 | $600 TO $699 | $700 TO $799 | $800 OR MORE | FUELS NOT USED, FREE, OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 12 125 | 483 | 266 | 156 | 111 | 120 | 126 | 159 | 133 | 448 | 10 122 | 386 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OIL, COAL, KEROSENE, WOOD, ETC. | 1 290 | 41 | 55 | 53 | 75 | 83 | 106 | 136 | 115 | 388 | 237 | 682 |
| FUEL OIL | 1 136 | 37 | 33 | 43 | 60 | 72 | 94 | 129 | 110 | 382 | 176 | 711 |
| COAL OR COKE | 19 | - | - | 2 | 5 | 5 | 2 | 2 | - | 2 | 2 | ... |
| KEROSENE, ETC | 10 | - | 4 | - | - | - | 2 | 2 | - | - | 3 | ... |
| WOOD | 125 | 4 | 19 | 8 | 10 | 6 | 9 | 4 | 5 | 4 | 56 | 337 |
| OTHER THAN OIL, COAL, KEROSENE, WOOD, ETC | 10 834 | 443 | 211 | 101 | 36 | 37 | 20 | 23 | 17 | 60 | 9 885 | 115 |
| UTILITY GAS | 9 334 | 352 | 154 | 71 | 23 | 24 | 15 | 16 | 15 | 38 | 8 625 | 101 |
| BOTTLED, TANK, OR LP GAS | 532 | 20 | 13 | 12 | 2 | 5 | 3 | 1 | 2 | 4 | 471 | 184 |
| ELECTRICITY | 965 | 71 | 44 | 18 | 12 | 8 | 2 | 5 | - | 18 | 787 | 141 |
| SOLAR HEAT | 3 | - | - | - | - | - | - | - | - | - | 3 | - |
| OTHER FUEL | 1 | - | - | - | - | - | - | 1 | - | - | - | ... |
| NONE | 1 | - | - | 1 | - | - | - | - | - | - | - | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 9 651 | 381 | 172 | 92 | 71 | 88 | 94 | 117 | 112 | 331 | 8 193 | 414 |
| HEAT PUMP | 177 | 14 | 16 | 7 | 1 | 1 | - | 1 | - | 2 | 135 | 142 |
| STEAM OR HOT WATER | 917 | 20 | 21 | 16 | 10 | 6 | 15 | 16 | 2 | 68 | 743 | 597 |
| BUILT-IN ELECTRIC UNITS | 481 | 33 | 15 | 6 | 4 | 2 | 2 | 2 | - | 5 | 412 | 112 |
| FLOOR, WALL, OR PIPELESS FURNACE | 230 | 5 | 4 | 5 | 2 | - | - | 2 | - | 5 | 206 | ... |
| ROOM HEATERS WITH FLUE | 324 | 11 | 4 | 7 | 7 | 5 | 5 | 10 | 8 | 22 | 244 | 601 |
| ROOM HEATERS WITHOUT FLUE | 31 | 2 | - | - | - | 3 | - | - | - | 7 | 20 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 313 | 17 | 34 | 21 | 16 | 16 | 11 | 11 | 10 | 7 | 170 | 297 |
| NONE | 1 | - | - | 1 | - | - | - | - | - | - | - | ... |
| PERSONS | | | | | | | | | | | | |
| 1 PERSON | 1 669 | 51 | 17 | 10 | 14 | 20 | 16 | 24 | 23 | 84 | 1 408 | 602 |
| 2 PERSONS | 3 806 | 131 | 70 | 56 | 45 | 39 | 55 | 63 | 41 | 151 | 3 155 | 461 |
| 3 PERSONS | 2 193 | 97 | 70 | 31 | 18 | 24 | 14 | 21 | 21 | 56 | 1 843 | 226 |
| 4 PERSONS | 2 522 | 106 | 60 | 29 | 20 | 16 | 25 | 23 | 29 | 85 | 2 129 | 307 |
| 5 PERSONS | 1 277 | 78 | 38 | 23 | 5 | 16 | 8 | 16 | 9 | 48 | 1 037 | 219 |
| 6 PERSONS | 423 | 14 | 9 | 2 | 3 | 4 | 4 | 9 | 7 | 12 | 359 | 510 |
| 7 PERSONS OR MORE | 235 | 7 | 2 | 5 | 7 | 2 | 3 | 4 | 2 | 13 | 191 | 484 |
| MEDIAN | 2.8 | 3.1 | 3.2 | 2.9 | 2.4 | 2.5 | 2.3 | 2.4 | 2.6 | 2.4 | 2.8 | ... |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 7 542 | 313 | 172 | 73 | 37 | 47 | 67 | 49 | 52 | 169 | 6 563 | 206 |
| ROOM UNITS | 3 421 | 89 | 54 | 35 | 20 | 31 | 45 | 33 | 34 | 100 | 2 982 | 473 |
| 1 | 2 332 | 58 | 39 | 26 | 14 | 29 | 32 | 25 | 23 | 72 | 2 014 | 477 |
| 2 | 855 | 25 | 11 | 3 | 5 | 2 | 11 | 4 | 11 | 24 | 758 | 510 |
| 3 | 182 | 6 | 3 | 6 | - | - | 2 | 4 | - | 2 | 160 | ... |
| 4 | 39 | - | - | - | - | - | - | - | - | 2 | 37 | ... |
| 5 OR MORE | 13 | - | - | - | - | - | - | - | - | - | 13 | - |
| CENTRAL SYSTEM | 4 121 | 225 | 118 | 39 | 17 | 16 | 22 | 16 | 18 | 69 | 3 581 | 138 |
| WITH NO AIR CONDITIONING | 4 583 | 170 | 95 | 83 | 74 | 73 | 59 | 111 | 81 | 279 | 3 559 | 530 |
| SPECIFIED RENTER OCCUPIED[3] | 6 199 | 61 | 55 | 27 | 24 | 25 | 14 | 23 | 13 | 97 | 5 861 | 410 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OIL, COAL, KEROSENE, WOOD, ETC. | 605 | 30 | 20 | 14 | 18 | 22 | 11 | 15 | 9 | 84 | 382 | 569 |
| FUEL OIL | 551 | 24 | 18 | 12 | 15 | 22 | 9 | 15 | 9 | 83 | 344 | 624 |
| COAL OR COKE | 15 | 2 | 2 | 1 | - | - | - | - | - | - | 10 | ... |
| KEROSENE, ETC | - | - | - | - | - | - | - | - | - | - | - | - |
| WOOD | 39 | 4 | - | 2 | 3 | - | 2 | - | - | 1 | 27 | ... |
| OTHER THAN OIL, COAL, KEROSENE, WOOD, ETC | 5 589 | 31 | 35 | 12 | 6 | 3 | 3 | 8 | 3 | 13 | 5 475 | 174 |
| UTILITY GAS | 4 543 | 20 | 18 | 6 | 4 | 3 | 2 | 7 | 2 | 7 | 4 475 | 179 |
| BOTTLED, TANK, OR LP GAS | 190 | - | 13 | 4 | 2 | - | - | 1 | 2 | 6 | 163 | ... |
| ELECTRICITY | 835 | 12 | 4 | 2 | - | - | 1 | - | - | - | 816 | ... |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 21 | - | - | - | - | - | - | - | - | - | 21 | - |
| NONE | 5 | - | - | - | - | - | - | - | - | - | 5 | - |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 281 | 45 | 38 | 16 | 15 | 17 | 11 | 17 | 8 | 77 | 3 038 | 445 |
| HEAT PUMP | 30 | - | - | - | - | - | - | - | - | - | 30 | - |
| STEAM OR HOT WATER | 1 627 | - | 3 | - | - | 2 | - | - | - | 9 | 1 613 | ... |
| BUILT-IN ELECTRIC UNITS | 545 | 6 | 2 | - | - | - | - | - | - | - | 537 | ... |
| FLOOR, WALL, OR PIPELESS FURNACE | 195 | - | - | 4 | 3 | - | - | - | - | 2 | 186 | ... |
| ROOM HEATERS WITH FLUE | 394 | 3 | 7 | 2 | 3 | 3 | 2 | 4 | 5 | 6 | 360 | ... |
| ROOM HEATERS WITHOUT FLUE | 39 | - | - | - | - | - | - | - | - | 1 | 38 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 83 | 7 | 5 | 4 | 3 | 3 | 2 | 2 | - | 1 | 55 | ... |
| NONE | 5 | - | - | - | - | - | - | - | - | - | 5 | - |
| PERSONS | | | | | | | | | | | | |
| 1 PERSON | 2 430 | 21 | 12 | 1 | 7 | 6 | 3 | 6 | 3 | 20 | 2 351 | 370 |
| 2 PERSONS | 1 816 | 16 | 9 | 11 | 3 | 3 | 8 | 8 | 2 | 27 | 1 730 | 511 |
| 3 PERSONS | 936 | 15 | 7 | 4 | 4 | 7 | 3 | 4 | 2 | 22 | 868 | 451 |
| 4 PERSONS | 559 | 4 | 9 | 7 | 8 | 7 | - | - | 2 | 8 | 514 | 328 |
| 5 PERSONS | 282 | 4 | 7 | 3 | - | 1 | - | 5 | 5 | 18 | 238 | 723 |
| 6 PERSONS | 106 | 1 | 8 | - | 2 | 2 | - | - | - | 2 | 92 | ... |
| 7 PERSONS OR MORE | 71 | - | 2 | - | - | - | - | - | - | 1 | 66 | ... |
| MEDIAN | 1.9 | 2.1 | 3.3 | ... | ... | ... | ... | ... | ... | 2.6 | 1.8 | ... |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 3 257 | 33 | 20 | 12 | 10 | 12 | 3 | 6 | 4 | 20 | 3 136 | 261 |
| ROOM UNITS | 2 152 | 16 | 14 | 7 | 5 | 9 | 1 | 5 | 4 | 17 | 2 073 | 359 |
| 1 | 1 770 | 13 | 14 | 5 | 4 | 8 | 1 | 5 | 4 | 12 | 1 705 | 328 |
| 2 | 328 | 2 | - | 2 | 2 | - | - | - | - | 3 | 320 | ... |
| 3 | 45 | 2 | - | - | - | 2 | - | - | - | 3 | 39 | ... |
| 4 | 7 | - | - | - | - | - | - | - | - | - | 7 | - |
| 5 OR MORE | 2 | - | - | - | - | - | - | - | - | - | 2 | - |
| CENTRAL SYSTEM | 1 105 | 17 | 6 | 5 | 5 | 3 | 2 | 1 | - | 3 | 1 063 | 160 |
| WITH NO AIR CONDITIONING | 2 943 | 28 | 34 | 15 | 14 | 13 | 11 | 17 | 8 | 77 | 2 726 | 541 |

[1]RENTER HOUSEHOLDS WITH THESE FUEL COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY. [3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE C-11. HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK, BY DISTANCE AND TRAVEL TIME TO WORK: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| NORTH CENTRAL REGION | TOTAL | HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | DRIVES SELF | CARPOOL | MASS TRANS-PORTATION | BICYCLE, MOTOR-CYCLE, OR MOPED | TAXICAB | WALKS ONLY | OTHER MEANS | WORKS AT HOME |
| HOUSING UNITS WITH EMPLOYED HOUSEHOLDERS[1] | 14 544 | 10 381 | 2 289 | 569 | 147 | 15 | 530 | 35 | 576 |
| DISTANCE FROM HOME TO WORK | | | | | | | | | |
| OWNER OCCUPIED | 10 485 | 7 737 | 1 652 | 263 | 97 | 4 | 266 | 32 | 435 |
| LESS THAN 1 MILE | 776 | 441 | 70 | 2 | 22 | - | 236 | 5 | - |
| 1 TO 4 MILES | 2 275 | 1 897 | 274 | 53 | 17 | 2 | 28 | 4 | - |
| 5 TO 9 MILES | 2 022 | 1 613 | 299 | 76 | 32 | 2 | - | 2 | - |
| 10 TO 19 MILES | 2 220 | 1 692 | 442 | 76 | 11 | - | - | - | - |
| 20 TO 29 MILES | 901 | 649 | 224 | 26 | 2 | - | - | - | - |
| 30 TO 49 MILES | 480 | 286 | 178 | 15 | 1 | - | - | - | - |
| 50 MILES OR MORE | 115 | 62 | 53 | - | - | - | - | - | - |
| WORKS AT HOME | 435 | - | - | - | - | - | - | - | 435 |
| NO FIXED PLACE OF WORK | 1 260 | 1 097 | 111 | 16 | 12 | - | 2 | 21 | - |
| MEDIAN | 8.3 | 8.0 | 12.9 | 9.5 | 5.5 | ... | 1.0- | ... | - |
| RENTER OCCUPIED | 4 059 | 2 645 | 638 | 306 | 51 | 12 | 264 | 3 | 141 |
| LESS THAN 1 MILE | 524 | 225 | 36 | 9 | 6 | - | 243 | 3 | - |
| 1 TO 4 MILES | 1 082 | 782 | 151 | 103 | 21 | 7 | 19 | - | - |
| 5 TO 9 MILES | 753 | 505 | 130 | 102 | 13 | 3 | - | - | - |
| 10 TO 19 MILES | 791 | 560 | 135 | 69 | 7 | - | - | - | - |
| 20 TO 29 MILES | 235 | 157 | 70 | 9 | - | - | - | - | - |
| 30 TO 49 MILES | 118 | 67 | 46 | 3 | 1 | - | - | - | - |
| 50 MILES OR MORE | 40 | 21 | 19 | - | - | - | - | - | - |
| WORKS AT HOME | 141 | - | - | - | - | - | - | - | 141 |
| NO FIXED PLACE OF WORK | 376 | 309 | 49 | 12 | 3 | 2 | 2 | - | - |
| MEDIAN | 6.1 | 6.6 | 9.0 | 6.7 | 4.4 | ... | 1.0- | ... | - |
| TRAVEL TIME FROM HOME TO WORK | | | | | | | | | |
| OWNER OCCUPIED | 10 485 | 7 737 | 1 652 | 263 | 97 | 4 | 266 | 32 | 435 |
| LESS THAN 15 MINUTES | 3 374 | 2 711 | 381 | 9 | 47 | 2 | 224 | 1 | - |
| 15 TO 29 MINUTES | 3 336 | 2 637 | 576 | 54 | 32 | 2 | 31 | 3 | - |
| 30 TO 44 MINUTES | 1 304 | 879 | 336 | 73 | 2 | - | 9 | 2 | - |
| 45 TO 59 MINUTES | 490 | 287 | 146 | 55 | - | - | - | 2 | - |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 235 | 98 | 77 | 55 | 3 | - | - | 2 | - |
| 1 HOUR AND 30 MINUTES OR MORE | 51 | 27 | 22 | 2 | - | - | - | - | - |
| WORKS AT HOME | 435 | - | - | - | - | - | - | - | 435 |
| NO FIXED PLACE OF WORK | 1 260 | 1 097 | 111 | 16 | 12 | - | 2 | 21 | - |
| MEDIAN | 19.6 | 18.5 | 25.1 | 42.5 | 15.0- | ... | 15.0- | ... | - |
| RENTER OCCUPIED | 4 059 | 2 645 | 638 | 306 | 51 | 12 | 264 | 3 | 141 |
| LESS THAN 15 MINUTES | 1 517 | 1 069 | 187 | 33 | 21 | 9 | 198 | 2 | - |
| 15 TO 29 MINUTES | 1 310 | 904 | 236 | 91 | 22 | 2 | 53 | 2 | - |
| 30 TO 44 MINUTES | 463 | 261 | 102 | 67 | 3 | - | 10 | - | - |
| 45 TO 59 MINUTES | 133 | 67 | 30 | 33 | 1 | - | 2 | - | - |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 93 | 30 | 21 | 42 | - | - | - | - | - |
| 1 HOUR AND 30 MINUTES OR MORE | 25 | 5 | 12 | 9 | - | - | - | - | - |
| WORKS AT HOME | 141 | - | - | - | - | - | - | - | 141 |
| NO FIXED PLACE OF WORK | 376 | 309 | 49 | 12 | 3 | 2 | 2 | - | - |
| MEDIAN | 17.9 | 16.6 | 21.8 | 34.0 | 17.1 | ... | 15.0- | ... | - |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE D-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 15 651 | 7 323 | 8 329 | 11 779 |
| HOUSE HEATING FUEL | | | | | |
| OWNER OCCUPIED | 18 491 | 9 740 | 3 847 | 5 893 | 8 752 |
| UTILITY GAS | 8 602 | 5 368 | 2 656 | 2 712 | 3 234 |
| BOTTLED, TANK, OR LP GAS | 1 776 | 403 | 51 | 352 | 1 373 |
| FUEL OIL | 1 900 | 1 043 | 383 | 660 | 857 |
| KEROSENE, ETC | 180 | 45 | 26 | 19 | 135 |
| ELECTRICITY | 5 240 | 2 699 | 698 | 2 001 | 2 540 |
| COAL OR COKE | 75 | 15 | 6 | 9 | 60 |
| WOOD | 649 | 126 | 8 | 119 | 523 |
| SOLAR HEAT | 2 | 2 | - | 2 | - |
| OTHER FUEL | 12 | 4 | - | 4 | 8 |
| NONE | 54 | 34 | 19 | 15 | 20 |
| RENTER OCCUPIED | 8 939 | 5 912 | 3 475 | 2 436 | 3 027 |
| UTILITY GAS | 4 123 | 2 766 | 1 794 | 972 | 1 357 |
| BOTTLED, TANK, OR LP GAS | 496 | 133 | 40 | 94 | 363 |
| FUEL OIL | 761 | 517 | 274 | 243 | 245 |
| KEROSENE, ETC | 63 | 16 | 3 | 13 | 47 |
| ELECTRICITY | 2 985 | 2 305 | 1 295 | 1 011 | 680 |
| COAL OR COKE | 44 | 6 | 2 | 4 | 38 |
| WOOD | 337 | 63 | 20 | 44 | 274 |
| SOLAR HEAT | - | - | - | - | - |
| OTHER FUEL | 2 | 2 | 2 | - | - |
| NONE | 128 | 103 | 47 | 56 | 25 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 8 348 | 3 512 | 4 836 | 6 278 |
| ELECTRICITY PAID FOR | 14 617 | 8 343 | 3 510 | 4 833 | 6 274 |
| LESS THAN $10 | 55 | 33 | 19 | 15 | 22 |
| $10 TO $19 | 491 | 235 | 141 | 94 | 255 |
| $20 TO $29 | 1 149 | 593 | 344 | 250 | 556 |
| $30 TO $39 | 1 842 | 1 049 | 488 | 561 | 793 |
| $40 TO $49 | 1 712 | 975 | 400 | 575 | 738 |
| $50 TO $59 | 1 862 | 1 000 | 462 | 538 | 862 |
| $60 TO $79 | 3 012 | 1 693 | 677 | 1 016 | 1 319 |
| $80 TO $99 | 1 618 | 945 | 354 | 591 | 674 |
| $100 TO $149 | 2 094 | 1 315 | 437 | 878 | 779 |
| $150 OR MORE | 781 | 505 | 189 | 317 | 276 |
| MEDIAN | 61 | 63 | 57 | 67 | 58 |
| NO ELECTRICITY USED | 8 | 5 | 2 | 3 | 3 |
| SPECIFIED RENTER OCCUPIED[2] | 8 613 | 5 853 | 3 472 | 2 380 | 2 760 |
| ELECTRICITY PAID FOR | 7 163 | 4 697 | 2 703 | 1 994 | 2 466 |
| LESS THAN $10 | 134 | 92 | 71 | 20 | 42 |
| $10 TO $19 | 833 | 527 | 335 | 192 | 306 |
| $20 TO $29 | 1 202 | 768 | 492 | 276 | 433 |
| $30 TO $39 | 1 203 | 761 | 433 | 328 | 443 |
| $40 TO $49 | 964 | 576 | 362 | 214 | 388 |
| $50 TO $59 | 801 | 532 | 301 | 231 | 269 |
| $60 TO $79 | 1 051 | 709 | 357 | 352 | 342 |
| $80 TO $99 | 406 | 313 | 152 | 162 | 92 |
| $100 TO $149 | 430 | 313 | 140 | 172 | 117 |
| $150 OR MORE | 141 | 107 | 59 | 47 | 34 |
| MEDIAN | 42 | 43 | 40 | 48 | 40 |
| INCLUDED IN RENT | 1 437 | 1 148 | 761 | 387 | 289 |
| NO ELECTRICITY USED | 12 | 7 | 7 | - | 5 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 8 348 | 3 512 | 4 836 | 6 278 |
| GAS PAID FOR | 9 590 | 5 848 | 2 877 | 2 971 | 3 743 |
| LESS THAN $10 | 423 | 241 | 136 | 105 | 182 |
| $10 TO $14 | 587 | 354 | 187 | 167 | 233 |
| $15 TO $19 | 668 | 459 | 281 | 177 | 209 |
| $20 TO $24 | 1 043 | 638 | 330 | 309 | 404 |
| $25 TO $29 | 1 012 | 555 | 297 | 258 | 457 |
| $30 TO $39 | 1 933 | 1 176 | 532 | 644 | 757 |
| $40 TO $49 | 1 401 | 858 | 406 | 452 | 543 |
| $50 TO $69 | 1 664 | 1 017 | 462 | 556 | 647 |
| $70 TO $99 | 591 | 369 | 167 | 203 | 222 |
| $100 OR MORE | 269 | 180 | 78 | 101 | 89 |
| MEDIAN | 35 | 35 | 33 | 37 | 35 |
| NO GAS USED | 5 035 | 2 500 | 635 | 1 865 | 2 535 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE D-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 5 853 | 3 472 | 2 380 | 2 760 |
| GAS PAID FOR | 3 739 | 2 269 | 1 415 | 854 | 1 469 |
| LESS THAN $10 | 446 | 312 | 211 | 101 | 134 |
| $10 TO $14 | 531 | 311 | 204 | 107 | 220 |
| $15 TO $19 | 459 | 312 | 189 | 123 | 147 |
| $20 TO $24 | 469 | 277 | 152 | 125 | 192 |
| $25 TO $29 | 340 | 164 | 108 | 56 | 176 |
| $30 TO $39 | 574 | 348 | 223 | 125 | 226 |
| $40 TO $49 | 367 | 202 | 120 | 82 | 165 |
| $50 TO $69 | 338 | 218 | 144 | 74 | 120 |
| $70 TO $99 | 155 | 88 | 43 | 45 | 67 |
| $100 OR MORE | 60 | 37 | 21 | 16 | 23 |
| MEDIAN | 24 | 23 | 23 | 23 | 26 |
| INCLUDED IN RENT | 2 044 | 1 587 | 1 001 | 586 | 457 |
| NO GAS USED | 2 830 | 1 996 | 1 056 | 940 | 834 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 14 626 | 8 348 | 3 512 | 4 836 | 6 278 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 909 | 1 594 | 596 | 999 | 1 315 |
| LESS THAN $100 | 565 | 342 | 141 | 201 | 223 |
| $100 TO $199 | 590 | 301 | 106 | 196 | 289 |
| $200 TO $299 | 293 | 136 | 57 | 78 | 157 |
| $300 TO $399 | 269 | 131 | 52 | 79 | 139 |
| $400 TO $499 | 196 | 82 | 36 | 46 | 114 |
| $500 TO $599 | 196 | 101 | 39 | 62 | 95 |
| $600 TO $699 | 223 | 124 | 48 | 76 | 99 |
| $700 TO $799 | 133 | 90 | 40 | 50 | 42 |
| $800 OR MORE | 445 | 288 | 78 | 210 | 157 |
| MEDIAN | 302 | 314 | 290 | 330 | 291 |
| FUELS NOT USED OR FREE | 11 717 | 6 754 | 2 916 | 3 838 | 4 963 |
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 5 853 | 3 472 | 2 380 | 2 760 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 835 | 383 | 176 | 207 | 453 |
| LESS THAN $100 | 161 | 86 | 36 | 50 | 75 |
| $100 TO $199 | 117 | 36 | 19 | 17 | 81 |
| $200 TO $299 | 103 | 26 | 11 | 15 | 78 |
| $300 TO $399 | 85 | 27 | 17 | 10 | 57 |
| $400 TO $499 | 78 | 51 | 21 | 30 | 27 |
| $500 TO $599 | 75 | 42 | 20 | 22 | 34 |
| $600 TO $699 | 80 | 35 | 20 | 15 | 45 |
| $700 TO $799 | 40 | 19 | 3 | 16 | 21 |
| $800 OR MORE | 96 | 60 | 27 | 33 | 36 |
| MEDIAN | 343 | 430 | 419 | 438 | 290 |
| INCLUDED IN RENT | 833 | 658 | 393 | 265 | 175 |
| FUELS NOT USED OR FREE | 6 944 | 4 812 | 2 904 | 1 908 | 2 132 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 15 651 | 7 323 | 8 329 | 11 779 |
| HEATING EQUIPMENT | | | | | |
| OWNER OCCUPIED | 18 491 | 9 740 | 3 847 | 5 893 | 8 752 |
| WARM-AIR FURNACE | 9 650 | 5 819 | 2 238 | 3 581 | 3 831 |
| HEAT PUMP | 1 069 | 736 | 94 | 642 | 333 |
| STEAM OR HOT WATER | 533 | 423 | 206 | 217 | 109 |
| BUILT-IN ELECTRIC UNITS | 1 293 | 476 | 162 | 315 | 816 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 471 | 768 | 497 | 271 | 703 |
| ROOM HEATERS WITH FLUE | 1 108 | 431 | 198 | 232 | 678 |
| ROOM HEATERS WITHOUT FLUE | 1 541 | 612 | 322 | 290 | 929 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 773 | 440 | 110 | 330 | 1 333 |
| NONE | 54 | 34 | 19 | 15 | 20 |
| RENTER OCCUPIED | 8 939 | 5 912 | 3 475 | 2 436 | 3 027 |
| WARM-AIR FURNACE | 3 980 | 3 084 | 1 730 | 1 354 | 896 |
| HEAT PUMP | 310 | 242 | 70 | 173 | 67 |
| STEAM OR HOT WATER | 476 | 425 | 276 | 148 | 51 |
| BUILT-IN ELECTRIC UNITS | 715 | 490 | 311 | 178 | 225 |
| FLOOR, WALL, OR PIPELESS FURNACE | 716 | 426 | 297 | 129 | 290 |
| ROOM HEATERS WITH FLUE | 750 | 367 | 242 | 125 | 384 |
| ROOM HEATERS WITHOUT FLUE | 1 127 | 549 | 397 | 151 | 578 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 736 | 226 | 105 | 121 | 511 |
| NONE | 128 | 103 | 47 | 56 | 25 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE D-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 15 651 | 7 323 | 8 329 | 11 779 |
| UNITS OCCUPIED LAST WINTER | 23 131 | 12 881 | 5 880 | 7 001 | 10 249 |
| INSUFFICIENT HEAT | | | | | |
| CLOSURE OF ROOMS: | | | | | |
| OWNER OCCUPIED | 17 449 | 9 169 | 3 654 | 5 515 | 8 280 |
| WITH HEATING EQUIPMENT | 17 408 | 9 139 | 3 636 | 5 503 | 8 269 |
| NO ROOMS CLOSED | 16 369 | 8 670 | 3 447 | 5 223 | 7 699 |
| CLOSED CERTAIN ROOMS | 893 | 390 | 157 | 233 | 503 |
| LIVING ROOM ONLY | 26 | 12 | 6 | 7 | 14 |
| DINING ROOM ONLY | 7 | 2 | - | 2 | 5 |
| 1 OR MORE BEDROOMS ONLY | 615 | 250 | 97 | 153 | 365 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 236 | 122 | 52 | 70 | 114 |
| NOT REPORTED | 8 | 3 | 2 | 1 | 5 |
| NOT REPORTED | 145 | 79 | 32 | 47 | 67 |
| NO HEATING EQUIPMENT | 41 | 30 | 17 | 13 | 11 |
| RENTER OCCUPIED | 5 682 | 3 712 | 2 226 | 1 486 | 1 969 |
| WITH HEATING EQUIPMENT | 5 617 | 3 654 | 2 197 | 1 457 | 1 963 |
| NO ROOMS CLOSED | 5 015 | 3 361 | 2 009 | 1 352 | 1 654 |
| CLOSED CERTAIN ROOMS | 513 | 241 | 156 | 85 | 273 |
| LIVING ROOM ONLY | 23 | 13 | 8 | 6 | 10 |
| DINING ROOM ONLY | 4 | 4 | 2 | 2 | - |
| 1 OR MORE BEDROOMS ONLY | 311 | 140 | 98 | 42 | 171 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 166 | 79 | 47 | 31 | 87 |
| NOT REPORTED | 10 | 5 | 2 | 3 | 5 |
| NOT REPORTED | 89 | 53 | 32 | 21 | 36 |
| NO HEATING EQUIPMENT | 65 | 58 | 30 | 29 | 6 |
| ADDITIONAL HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 17 449 | 9 169 | 3 654 | 5 515 | 8 280 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 8 133 | 3 230 | 4 903 | 6 083 |
| NO ADDITIONAL HEAT SOURCE USED | 12 780 | 7 328 | 2 855 | 4 473 | 5 451 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 1 120 | 659 | 313 | 346 | 461 |
| NOT REPORTED | 317 | 146 | 62 | 84 | 171 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 1 036 | 423 | 613 | 2 196 |
| RENTER OCCUPIED | 5 682 | 3 712 | 2 226 | 1 486 | 1 969 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 3 097 | 1 818 | 1 279 | 1 163 |
| NO ADDITIONAL HEAT SOURCE USED | 3 588 | 2 637 | 1 536 | 1 101 | 951 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 519 | 367 | 225 | 142 | 152 |
| NOT REPORTED | 153 | 93 | 57 | 36 | 60 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 616 | 409 | 207 | 806 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 17 449 | 9 169 | 3 654 | 5 515 | 8 280 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 8 133 | 3 230 | 4 903 | 6 083 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 10 950 | 6 487 | 2 392 | 4 094 | 4 464 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 910 | 1 494 | 770 | 724 | 1 416 |
| 1 ROOM | 666 | 375 | 159 | 217 | 290 |
| 2 ROOMS | 600 | 280 | 178 | 102 | 320 |
| 3 ROOMS OR MORE | 1 644 | 839 | 434 | 405 | 806 |
| NOT REPORTED | 356 | 152 | 68 | 84 | 204 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 1 036 | 423 | 613 | 2 196 |
| RENTER OCCUPIED | 5 682 | 3 712 | 2 226 | 1 486 | 1 969 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 3 097 | 1 818 | 1 279 | 1 163 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 081 | 2 402 | 1 397 | 1 005 | 679 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 027 | 601 | 368 | 234 | 426 |
| 1 ROOM | 244 | 164 | 100 | 64 | 80 |
| 2 ROOMS | 273 | 157 | 114 | 43 | 116 |
| 3 ROOMS OR MORE | 511 | 281 | 154 | 127 | 230 |
| NOT REPORTED | 151 | 93 | 53 | 40 | 58 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 616 | 409 | 207 | 806 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | |
| OWNER OCCUPIED | 17 449 | 9 169 | 3 654 | 5 515 | 8 280 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 8 133 | 3 230 | 4 903 | 6 083 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 1 036 | 423 | 613 | 2 196 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 2 648 | 835 | 351 | 485 | 1 813 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 297 | 88 | 36 | 52 | 209 |
| NOT REPORTED | 288 | 113 | 36 | 77 | 174 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE D-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD--CONTINUED | | | | | |
| RENTER OCCUPIED | 5 682 | 3 712 | 2 226 | 1 486 | 1 969 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 3 097 | 1 818 | 1 279 | 1 163 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 616 | 409 | 207 | 806 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 019 | 439 | 297 | 142 | 579 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 288 | 129 | 87 | 42 | 159 |
| NOT REPORTED | 116 | 48 | 25 | 23 | 68 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 15 651 | 7 323 | 8 329 | 11 779 |
| AIR CONDITIONING | | | | | |
| OWNER OCCUPIED | 18 491 | 9 740 | 3 847 | 5 893 | 8 752 |
| WITH AIR CONDITIONING | 14 796 | 8 364 | 3 190 | 5 173 | 6 432 |
| ROOM UNITS | 6 459 | 3 161 | 1 493 | 1 668 | 3 298 |
| 1 | 3 733 | 1 597 | 697 | 900 | 2 136 |
| 2 | 1 940 | 1 036 | 519 | 517 | 904 |
| 3 | 559 | 390 | 199 | 191 | 169 |
| 4 | 162 | 91 | 46 | 45 | 71 |
| 5 OR MORE | 66 | 47 | 33 | 14 | 19 |
| CENTRAL SYSTEM | 8 337 | 5 203 | 1 697 | 3 506 | 3 134 |
| WITH NO AIR CONDITIONING | 3 695 | 1 376 | 657 | 719 | 2 319 |
| RENTER OCCUPIED | 8 939 | 5 912 | 3 475 | 2 436 | 3 027 |
| WITH AIR CONDITIONING | 6 156 | 4 511 | 2 530 | 1 981 | 1 646 |
| ROOM UNITS | 2 769 | 1 752 | 1 075 | 677 | 1 017 |
| 1 | 2 061 | 1 269 | 814 | 455 | 793 |
| 2 | 595 | 397 | 214 | 183 | 198 |
| 3 | 88 | 71 | 38 | 33 | 17 |
| 4 | 15 | 10 | 6 | 4 | 5 |
| 5 OR MORE | 8 | 5 | 3 | 2 | 3 |
| CENTRAL SYSTEM | 3 388 | 2 759 | 1 455 | 1 304 | 629 |
| WITH NO AIR CONDITIONING | 2 783 | 1 401 | 946 | 455 | 1 382 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | |
| OWNER OCCUPIED | 12 427 | 6 929 | 2 609 | 4 320 | 5 497 |
| DRIVES SELF | 9 177 | 5 437 | 2 076 | 3 361 | 3 740 |
| CARPOOL | 2 417 | 1 104 | 374 | 730 | 1 313 |
| MASS TRANSPORTATION | 160 | 140 | 75 | 64 | 20 |
| BICYCLE, MOTORCYCLE, OR MOPED | 91 | 55 | 20 | 36 | 36 |
| TAXICAB | 5 | - | - | - | 5 |
| WALKS ONLY | 228 | 68 | 31 | 37 | 160 |
| OTHER MEANS | 58 | 18 | 4 | 15 | 39 |
| WORKS AT HOME | 290 | 106 | 29 | 77 | 184 |
| RENTER OCCUPIED | 6 279 | 4 319 | 2 455 | 1 864 | 1 960 |
| DRIVES SELF | 4 048 | 2 829 | 1 526 | 1 303 | 1 220 |
| CARPOOL | 1 324 | 837 | 460 | 377 | 487 |
| MASS TRANSPORTATION | 319 | 306 | 238 | 68 | 13 |
| BICYCLE, MOTORCYCLE, OR MOPED | 102 | 71 | 49 | 22 | 31 |
| TAXICAB | 31 | 26 | 23 | 3 | 6 |
| WALKS ONLY | 343 | 201 | 128 | 73 | 142 |
| OTHER MEANS | 17 | 7 | 4 | 3 | 10 |
| WORKS AT HOME | 93 | 42 | 27 | 15 | 51 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[2] | | | | | |
| OWNER OCCUPIED | 12 427 | 6 929 | 2 609 | 4 320 | 5 497 |
| HOUSEHOLDER DRIVES ALONE | 9 177 | 5 437 | 2 076 | 3 361 | 3 740 |
| IRREGULAR OR UNUSUAL WORK HOURS | 2 869 | 1 833 | 658 | 1 175 | 1 035 |
| IRREGULAR WORK LOCATION | 599 | 330 | 140 | 190 | 269 |
| CAR NEEDED FOR WORK OR ERRANDS | 1 502 | 966 | 426 | 539 | 537 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 2 363 | 1 249 | 434 | 815 | 1 114 |
| LIKES PRIVACY | 486 | 274 | 121 | 153 | 212 |
| OUT OF THE WAY TO PICK UP OTHERS | 410 | 195 | 83 | 112 | 215 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 89 | 56 | 17 | 39 | 33 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 213 | 137 | 43 | 93 | 76 |
| DOESN'T TRUST OTHERS DRIVING | 6 | 4 | 4 | - | 2 |
| SOME OTHER REASON | 582 | 357 | 137 | 220 | 225 |
| NOT REPORTED | 59 | 38 | 13 | 25 | 22 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 3 249 | 1 492 | 533 | 959 | 1 757 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE D-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1]--CON. | | | | | |
| RENTER OCCUPIED | 6 279 | 4 319 | 2 455 | 1 864 | 1 960 |
| HOUSEHOLDER DRIVES ALONE | 4 048 | 2 829 | 1 526 | 1 303 | 1 220 |
| IRREGULAR OR UNUSUAL WORK HOURS | 1 205 | 869 | 410 | 459 | 336 |
| IRREGULAR WORK LOCATION | 243 | 166 | 96 | 70 | 77 |
| CAR NEEDED FOR WORK OR ERRANDS | 649 | 449 | 244 | 205 | 199 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 1 089 | 722 | 409 | 312 | 367 |
| LIKES PRIVACY | 271 | 219 | 134 | 85 | 52 |
| OUT OF THE WAY TO PICK UP OTHERS | 174 | 116 | 71 | 45 | 58 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 73 | 46 | 29 | 17 | 26 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 122 | 76 | 36 | 40 | 46 |
| DOESN'T TRUST OTHERS DRIVING | 17 | 15 | 7 | 8 | 2 |
| SOME OTHER REASON | 185 | 137 | 78 | 59 | 48 |
| NOT REPORTED | 21 | 13 | 10 | 3 | 8 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 2 231 | 1 490 | 929 | 561 | 741 |
| DISTANCE FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 12 427 | 6 929 | 2 609 | 4 320 | 5 497 |
| LESS THAN 1 MILE | 771 | 249 | 115 | 135 | 521 |
| 1 TO 4 MILES | 2 373 | 1 226 | 664 | 561 | 1 147 |
| 5 TO 9 MILES | 2 486 | 1 588 | 725 | 863 | 898 |
| 10 TO 19 MILES | 2 750 | 1 792 | 539 | 1 253 | 958 |
| 20 TO 29 MILES | 1 173 | 670 | 149 | 520 | 503 |
| 30 TO 49 MILES | 712 | 305 | 44 | 261 | 407 |
| 50 MILES OR MORE | 279 | 75 | 16 | 59 | 204 |
| WORKS AT HOME | 290 | 106 | 29 | 77 | 184 |
| NO FIXED PLACE OF WORK | 1 594 | 919 | 328 | 591 | 675 |
| MEDIAN | 9.3 | 9.6 | 7.4 | 12.1 | 8.6 |
| RENTER OCCUPIED | 6 279 | 4 319 | 2 455 | 1 864 | 1 960 |
| LESS THAN 1 MILE | 643 | 343 | 215 | 127 | 300 |
| 1 TO 4 MILES | 1 590 | 1 063 | 732 | 331 | 527 |
| 5 TO 9 MILES | 1 291 | 1 012 | 588 | 424 | 280 |
| 10 TO 19 MILES | 1 261 | 973 | 480 | 493 | 287 |
| 20 TO 29 MILES | 375 | 257 | 105 | 152 | 118 |
| 30 TO 49 MILES | 196 | 106 | 31 | 76 | 90 |
| 50 MILES OR MORE | 98 | 29 | 19 | 10 | 69 |
| WORKS AT HOME | 93 | 42 | 27 | 15 | 51 |
| NO FIXED PLACE OF WORK | 730 | 493 | 257 | 236 | 237 |
| MEDIAN | 6.9 | 7.4 | 6.2 | 9.1 | 5.1 |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 12 427 | 6 929 | 2 609 | 4 320 | 5 497 |
| LESS THAN 15 MINUTES | 3 497 | 1 679 | 796 | 883 | 1 819 |
| 15 TO 29 MINUTES | 4 082 | 2 553 | 1 051 | 1 503 | 1 529 |
| 30 TO 44 MINUTES | 1 766 | 1 074 | 284 | 790 | 692 |
| 45 TO 59 MINUTES | 645 | 375 | 86 | 289 | 270 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 401 | 173 | 24 | 149 | 228 |
| 1 HOUR AND 30 MINUTES OR MORE | 151 | 50 | 11 | 39 | 101 |
| WORKS AT HOME | 290 | 106 | 29 | 77 | 184 |
| NO FIXED PLACE OF WORK | 1 594 | 919 | 328 | 591 | 675 |
| MEDIAN | 21.5 | 22.5 | 19.7 | 24.4 | 19.9 |
| RENTER OCCUPIED | 6 279 | 4 319 | 2 455 | 1 864 | 1 960 |
| LESS THAN 15 MINUTES | 2 169 | 1 322 | 811 | 511 | 847 |
| 15 TO 29 MINUTES | 2 025 | 1 557 | 914 | 643 | 468 |
| 30 TO 44 MINUTES | 795 | 593 | 294 | 299 | 202 |
| 45 TO 59 MINUTES | 233 | 163 | 55 | 108 | 70 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 173 | 114 | 76 | 38 | 59 |
| 1 HOUR AND 30 MINUTES OR MORE | 60 | 34 | 20 | 14 | 27 |
| WORKS AT HOME | 93 | 42 | 27 | 15 | 51 |
| NO FIXED PLACE OF WORK | 730 | 493 | 257 | 236 | 237 |
| MEDIAN | 19.1 | 20.5 | 19.5 | 21.9 | 15.0 |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE D-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 27 430 | 1 429 | 4 162 | 2 789 | 4 398 | 3 627 | 3 036 | 3 753 | 2 588 | 1 114 | 534 | 16300 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OWNER OCCUPIED | 18 491 | 648 | 2 266 | 1 614 | 2 544 | 2 428 | 2 139 | 3 021 | 2 307 | 1 030 | 494 | 19500 |
| UTILITY GAS | 8 602 | 280 | 1 024 | 706 | 1 125 | 1 109 | 950 | 1 421 | 1 238 | 510 | 239 | 20300 |
| BOTTLED, TANK, OR LP GAS | 1 776 | 103 | 393 | 242 | 278 | 252 | 188 | 195 | 70 | 41 | 14 | 12700 |
| FUEL OIL | 1 900 | 77 | 261 | 172 | 296 | 276 | 232 | 257 | 187 | 102 | 41 | 17600 |
| KEROSENE, ETC | 180 | 18 | 33 | 21 | 38 | 28 | 17 | 21 | 2 | 4 | - | 12400 |
| ELECTRICITY | 5 240 | 106 | 408 | 377 | 667 | 649 | 667 | 1 039 | 770 | 359 | 197 | 23100 |
| COAL OR COKE | 75 | 11 | 21 | 24 | 7 | 6 | - | 5 | 2 | - | - | 7800 |
| WOOD | 649 | 52 | 112 | 66 | 116 | 98 | 73 | 78 | 38 | 14 | 2 | 14100 |
| SOLAR HEAT | 2 | - | - | - | 2 | - | - | - | - | - | - | ... |
| OTHER FUEL | 12 | - | 5 | - | - | 2 | 3 | 2 | - | - | - | ... |
| NONE | 54 | - | 9 | 8 | 15 | 8 | 10 | 4 | 2 | - | - | 13500 |
| RENTER OCCUPIED | 8 939 | 782 | 1 896 | 1 174 | 1 855 | 1 199 | 897 | 731 | 281 | 84 | 40 | 11700 |
| UTILITY GAS | 4 123 | 416 | 984 | 566 | 848 | 474 | 363 | 304 | 119 | 31 | 18 | 10600 |
| BOTTLED, TANK, OR LP GAS | 496 | 64 | 116 | 93 | 99 | 56 | 42 | 10 | 9 | 5 | 1 | 9200 |
| FUEL OIL | 761 | 54 | 169 | 90 | 153 | 122 | 78 | 66 | 24 | 5 | 2 | 12200 |
| KEROSENE, ETC | 63 | 6 | 24 | 10 | 11 | 5 | 6 | 1 | - | - | - | 7500 |
| ELECTRICITY | 2 985 | 172 | 418 | 336 | 668 | 503 | 369 | 333 | 126 | 44 | 17 | 14200 |
| COAL OR COKE | 44 | 10 | 20 | 5 | 2 | 4 | 3 | - | - | - | - | 5300 |
| WOOD | 337 | 37 | 123 | 56 | 52 | 30 | 28 | 9 | 3 | - | - | 7500 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 2 | - | - | 2 | - | - | - | - | - | - | - | ... |
| NONE | 128 | 23 | 42 | 17 | 22 | 6 | 7 | 8 | - | - | 1 | 6900 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 441 | 1 606 | 1 168 | 1 868 | 1 902 | 1 731 | 2 572 | 2 018 | 887 | 432 | 20900 |
| ELECTRICITY PAID FOR | 14 617 | 436 | 1 606 | 1 168 | 1 868 | 1 900 | 1 731 | 2 572 | 2 016 | 887 | 432 | 21000 |
| LESS THAN $10 | 55 | 5 | 25 | 2 | 2 | 6 | 5 | - | 7 | 2 | 2 | 6600 |
| $10 TO $19 | 491 | 47 | 192 | 76 | 60 | 49 | 29 | 20 | 7 | 7 | 4 | 7200 |
| $20 TO $29 | 1 149 | 88 | 314 | 143 | 191 | 153 | 88 | 94 | 58 | 20 | 2 | 10800 |
| $30 TO $39 | 1 842 | 68 | 273 | 228 | 294 | 255 | 217 | 276 | 163 | 45 | 23 | 16100 |
| $40 TO $49 | 1 712 | 46 | 187 | 186 | 272 | 228 | 201 | 297 | 185 | 78 | 33 | 18600 |
| $50 TO $59 | 1 862 | 40 | 204 | 127 | 292 | 298 | 218 | 328 | 227 | 98 | 29 | 19500 |
| $60 TO $79 | 3 012 | 60 | 213 | 210 | 354 | 396 | 425 | 603 | 503 | 188 | 60 | 23200 |
| $80 TO $99 | 1 618 | 31 | 94 | 86 | 181 | 186 | 226 | 390 | 262 | 115 | 46 | 25100 |
| $100 TO $149 | 2 094 | 42 | 72 | 85 | 176 | 260 | 264 | 419 | 440 | 203 | 132 | 28500 |
| $150 OR MORE | 781 | 8 | 32 | 26 | 45 | 69 | 58 | 146 | 164 | 132 | 101 | 35600 |
| MEDIAN | 61 | 42 | 39 | 47 | 54 | 58 | 65 | 69 | 74 | 81 | 106 | ... |
| NO ELECTRICITY USED | 8 | 5 | - | - | - | 2 | - | - | 2 | - | - | ... |
| SPECIFIED RENTER OCCUPIED[2] | 8 613 | 744 | 1 820 | 1 118 | 1 798 | 1 159 | 877 | 709 | 266 | 84 | 38 | 11700 |
| ELECTRICITY PAID FOR | 7 163 | 586 | 1 491 | 901 | 1 511 | 969 | 760 | 606 | 227 | 76 | 35 | 12000 |
| LESS THAN $10 | 134 | 25 | 62 | 11 | 15 | 8 | 3 | 9 | 2 | - | - | 5700 |
| $10 TO $19 | 833 | 103 | 296 | 113 | 136 | 65 | 53 | 45 | 15 | 5 | 2 | 7500 |
| $20 TO $29 | 1 202 | 120 | 325 | 170 | 261 | 124 | 106 | 70 | 21 | 3 | 2 | 9700 |
| $30 TO $39 | 1 203 | 105 | 254 | 174 | 299 | 167 | 101 | 66 | 29 | 8 | 1 | 11200 |
| $40 TO $49 | 964 | 87 | 180 | 135 | 191 | 153 | 119 | 66 | 22 | 10 | - | 12100 |
| $50 TO $59 | 801 | 51 | 139 | 90 | 182 | 111 | 106 | 81 | 29 | 2 | 9 | 13300 |
| $60 TO $79 | 1 051 | 42 | 152 | 124 | 229 | 176 | 148 | 123 | 42 | 12 | 5 | 14500 |
| $80 TO $99 | 406 | 29 | 36 | 41 | 101 | 56 | 51 | 55 | 25 | 5 | 8 | 14800 |
| $100 TO $149 | 430 | 14 | 42 | 34 | 72 | 88 | 53 | 73 | 33 | 17 | 4 | 18000 |
| $150 OR MORE | 141 | 11 | 6 | 9 | 26 | 22 | 20 | 18 | 10 | 14 | 5 | 19300 |
| MEDIAN | 42 | 34 | 32 | 38 | 42 | 47 | 49 | 55 | 58 | 77 | ... | ... |
| INCLUDED IN RENT | 1 437 | 150 | 325 | 217 | 284 | 190 | 117 | 103 | 39 | 8 | 4 | 10500 |
| NO ELECTRICITY USED | 12 | 7 | 3 | - | 2 | - | - | - | - | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 441 | 1 606 | 1 168 | 1 868 | 1 902 | 1 731 | 2 572 | 2 018 | 887 | 432 | 20900 |
| GAS PAID FOR | 9 590 | 323 | 1 172 | 789 | 1 257 | 1 251 | 1 051 | 1 590 | 1 324 | 556 | 277 | 20000 |
| LESS THAN $10 | 423 | 29 | 69 | 32 | 61 | 79 | 45 | 51 | 38 | 12 | 7 | 16300 |
| $10 TO $14 | 587 | 32 | 94 | 65 | 77 | 86 | 52 | 96 | 46 | 33 | 6 | 16500 |
| $15 TO $19 | 668 | 16 | 111 | 68 | 79 | 102 | 78 | 108 | 59 | 25 | 22 | 18000 |
| $20 TO $24 | 1 043 | 25 | 146 | 106 | 158 | 123 | 124 | 141 | 152 | 59 | 9 | 18500 |
| $25 TO $29 | 1 012 | 24 | 115 | 85 | 153 | 129 | 116 | 179 | 152 | 45 | 13 | 20000 |
| $30 TO $39 | 1 933 | 72 | 253 | 164 | 267 | 235 | 185 | 349 | 261 | 97 | 49 | 19500 |
| $40 TO $49 | 1 401 | 31 | 131 | 111 | 168 | 191 | 154 | 248 | 229 | 92 | 46 | 22200 |
| $50 TO $69 | 1 664 | 52 | 154 | 108 | 202 | 202 | 201 | 291 | 258 | 120 | 76 | 22800 |
| $70 TO $99 | 591 | 25 | 75 | 44 | 65 | 62 | 66 | 92 | 86 | 49 | 26 | 21800 |
| $100 OR MORE | 269 | 17 | 25 | 7 | 27 | 40 | 31 | 35 | 42 | 24 | 21 | 23100 |
| MEDIAN | 35 | 34 | 32 | 32 | 33 | 34 | 35 | 36 | 37 | 41 | 46 | ... |
| NO GAS USED | 5 035 | 118 | 434 | 380 | 611 | 650 | 680 | 982 | 693 | 331 | 155 | 22400 |
| SPECIFIED RENTER OCCUPIED[2] | 8 613 | 744 | 1 820 | 1 118 | 1 798 | 1 159 | 877 | 709 | 266 | 84 | 38 | 11700 |
| GAS PAID FOR | 3 739 | 368 | 899 | 497 | 768 | 451 | 339 | 255 | 107 | 32 | 22 | 10700 |
| LESS THAN $10 | 446 | 46 | 119 | 64 | 82 | 64 | 26 | 30 | 9 | 2 | 3 | 9700 |
| $10 TO $14 | 531 | 56 | 131 | 66 | 121 | 48 | 53 | 39 | 16 | 1 | - | 10500 |
| $15 TO $19 | 459 | 50 | 100 | 55 | 96 | 59 | 39 | 45 | 5 | 3 | 8 | 11300 |
| $20 TO $24 | 469 | 59 | 93 | 70 | 78 | 58 | 57 | 30 | 15 | 6 | 3 | 10800 |
| $25 TO $29 | 340 | 25 | 114 | 51 | 60 | 46 | 20 | 12 | 10 | - | 2 | 8800 |
| $30 TO $39 | 574 | 59 | 136 | 63 | 129 | 59 | 56 | 43 | 18 | 7 | 3 | 11100 |
| $40 TO $49 | 367 | 38 | 77 | 41 | 77 | 54 | 40 | 31 | 6 | 2 | 2 | 11800 |
| $50 TO $69 | 338 | 22 | 82 | 49 | 90 | 38 | 29 | 12 | 7 | 5 | 2 | 10900 |
| $70 TO $99 | 155 | 12 | 28 | 27 | 25 | 19 | 11 | 9 | 19 | 5 | - | 12100 |
| $100 OR MORE | 60 | 2 | 17 | 10 | 10 | 7 | 8 | 5 | 2 | - | - | 10600 |
| MEDIAN | 24 | 22 | 25 | 24 | 25 | 24 | 24 | 22 | 29 | ... | ... | ... |
| INCLUDED IN RENT | 2 044 | 192 | 444 | 300 | 409 | 267 | 190 | 171 | 53 | 14 | 5 | 11100 |
| NO GAS USED | 2 830 | 183 | 477 | 322 | 621 | 441 | 348 | 283 | 106 | 38 | 11 | 13500 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE D-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 441 | 1 606 | 1 168 | 1 868 | 1 902 | 1 731 | 2 572 | 2 018 | 887 | 432 | 20900 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 909 | 111 | 322 | 216 | 346 | 381 | 329 | 471 | 405 | 218 | 109 | 21200 |
| LESS THAN $100 | 565 | 16 | 39 | 29 | 41 | 54 | 81 | 97 | 120 | 56 | 32 | 27400 |
| $100 TO $199 | 590 | 22 | 57 | 46 | 53 | 79 | 51 | 109 | 84 | 57 | 31 | 23700 |
| $200 TO $299 | 293 | 13 | 51 | 10 | 35 | 56 | 33 | 44 | 31 | 13 | 7 | 18400 |
| $300 TO $399 | 269 | 17 | 22 | 21 | 54 | 52 | 32 | 30 | 27 | 14 | 2 | 17100 |
| $400 TO $499 | 196 | 17 | 39 | 15 | 17 | 24 | 20 | 29 | 23 | 8 | 4 | 17000 |
| $500 TO $599 | 196 | 9 | 22 | 23 | 41 | 18 | 35 | 22 | 16 | 9 | 1 | 15900 |
| $600 TO $699 | 223 | 4 | 31 | 19 | 35 | 28 | 25 | 51 | 18 | 8 | 4 | 19000 |
| $700 TO $799 | 133 | 3 | 24 | 10 | 27 | 16 | 10 | 22 | 10 | 6 | 4 | 15400 |
| $800 OR MORE | 445 | 11 | 37 | 44 | 43 | 55 | 43 | 68 | 74 | 47 | 24 | 23900 |
| MEDIAN | 302 | 330 | 365 | 417 | 381 | 302 | 301 | 268 | 196 | 192 | 170 | ... |
| FUELS NOT USED OR FREE | 11 717 | 330 | 1 284 | 952 | 1 522 | 1 521 | 1 402 | 2 101 | 1 613 | 669 | 323 | 20900 |
| SPECIFIED RENTER OCCUPIED[2] | 8 613 | 744 | 1 820 | 1 118 | 1 798 | 1 159 | 877 | 709 | 266 | 84 | 38 | 11700 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 835 | 78 | 225 | 96 | 165 | 103 | 81 | 52 | 23 | 8 | 5 | 10600 |
| LESS THAN $100 | 161 | 22 | 31 | 23 | 35 | 11 | 10 | 14 | 7 | 3 | 5 | 10800 |
| $100 TO $199 | 117 | 12 | 34 | 22 | 17 | 20 | 4 | 6 | 2 | - | - | 8700 |
| $200 TO $299 | 103 | 9 | 46 | 5 | 15 | 9 | 13 | 3 | 2 | - | - | 6700 |
| $300 TO $399 | 85 | 9 | 24 | 8 | 15 | 9 | 13 | 2 | 5 | - | - | 10400 |
| $400 TO $499 | 78 | 5 | 19 | 10 | 15 | 16 | 5 | 8 | - | - | - | 11600 |
| $500 TO $599 | 75 | 2 | 24 | 3 | 27 | 6 | 13 | - | 1 | - | - | 11600 |
| $600 TO $699 | 80 | 11 | 26 | 7 | 17 | 9 | 3 | 7 | - | - | - | 8500 |
| $700 TO $799 | 40 | 4 | 7 | 7 | 5 | 4 | 6 | 6 | - | 2 | - | 12600 |
| $800 OR MORE | 96 | 5 | 14 | 11 | 19 | 19 | 13 | 6 | 6 | 3 | - | 14800 |
| MEDIAN | 343 | 261 | 305 | 262 | 401 | 415 | 402 | 411 | ... | ... | ... | ... |
| INCLUDED IN RENT | 833 | 71 | 146 | 136 | 174 | 126 | 69 | 67 | 31 | 5 | 6 | 11800 |
| FUELS NOT USED OR FREE | 6 944 | 595 | 1 448 | 886 | 1 459 | 930 | 727 | 591 | 212 | 71 | 24 | 11900 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 1 429 | 4 162 | 2 789 | 4 398 | 3 627 | 3 036 | 3 753 | 2 588 | 1 114 | 534 | 16300 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| OWNER OCCUPIED | 18 491 | 648 | 2 266 | 1 614 | 2 544 | 2 428 | 2 139 | 3 021 | 2 307 | 1 030 | 494 | 19500 |
| WARM-AIR FURNACE | 9 650 | 227 | 751 | 629 | 1 073 | 1 207 | 1 161 | 1 877 | 1 638 | 741 | 346 | 24000 |
| HEAT PUMP | 1 069 | 17 | 56 | 48 | 96 | 95 | 98 | 272 | 210 | 98 | 78 | 29600 |
| STEAM OR HOT WATER | 533 | 23 | 43 | 27 | 66 | 62 | 60 | 96 | 87 | 43 | 24 | 23700 |
| BUILT-IN ELECTRIC UNITS | 1 293 | 36 | 134 | 144 | 232 | 195 | 193 | 189 | 106 | 92 | 12 | 17600 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 471 | 65 | 220 | 177 | 315 | 234 | 144 | 191 | 91 | 17 | 16 | 14300 |
| ROOM HEATERS WITH FLUE | 1 108 | 53 | 321 | 178 | 172 | 162 | 118 | 77 | 18 | 10 | - | 10100 |
| ROOM HEATERS WITHOUT FLUE | 1 541 | 102 | 443 | 208 | 281 | 180 | 133 | 165 | 57 | 22 | 11 | 10300 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 773 | 125 | 289 | 197 | 294 | 287 | 221 | 210 | 98 | 46 | 6 | 14700 |
| NONE | 54 | - | 9 | 8 | 15 | 8 | 10 | 4 | 2 | - | - | 13500 |
| RENTER OCCUPIED | 8 939 | 782 | 1 896 | 1 174 | 1 855 | 1 199 | 897 | 731 | 281 | 84 | 40 | 11700 |
| WARM-AIR FURNACE | 3 080 | 255 | 534 | 460 | 890 | 631 | 501 | 449 | 174 | 61 | 25 | 14200 |
| HEAT PUMP | 310 | 8 | 29 | 32 | 59 | 67 | 42 | 30 | 27 | 12 | 3 | 16900 |
| STEAM OR HOT WATER | 476 | 25 | 115 | 56 | 86 | 82 | 48 | 42 | 18 | 2 | 2 | 12500 |
| BUILT-IN ELECTRIC UNITS | 715 | 56 | 162 | 103 | 158 | 98 | 63 | 60 | 12 | 2 | 4 | 11200 |
| FLOOR, WALL, OR PIPELESS FURNACE | 716 | 74 | 167 | 89 | 186 | 74 | 70 | 41 | 13 | 2 | - | 10800 |
| ROOM HEATERS WITH FLUE | 750 | 107 | 250 | 115 | 125 | 64 | 41 | 32 | 12 | 3 | - | 7500 |
| ROOM HEATERS WITHOUT FLUE | 1 127 | 143 | 350 | 179 | 211 | 114 | 71 | 45 | 13 | 1 | 2 | 8200 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 736 | 91 | 248 | 123 | 117 | 63 | 54 | 24 | 11 | 2 | 3 | 7700 |
| NONE | 128 | 23 | 42 | 17 | 22 | 6 | 7 | 8 | - | - | 1 | 6900 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 1 429 | 4 162 | 2 789 | 4 398 | 3 627 | 3 036 | 3 753 | 2 588 | 1 114 | 534 | 16300 |
| UNITS OCCUPIED LAST WINTER | 23 131 | 1 154 | 3 518 | 2 257 | 3 523 | 3 011 | 2 552 | 3 321 | 2 329 | 995 | 471 | 16800 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| OWNER OCCUPIED | 17 449 | 621 | 2 189 | 1 529 | 2 413 | 2 270 | 2 008 | 2 851 | 2 165 | 949 | 454 | 19300 |
| WITH HEATING EQUIPMENT | 17 408 | 621 | 2 182 | 1 521 | 2 402 | 2 262 | 2 002 | 2 849 | 2 165 | 949 | 454 | 19400 |
| NO ROOMS CLOSED | 16 369 | 548 | 1 915 | 1 392 | 2 238 | 2 137 | 1 895 | 2 778 | 2 107 | 924 | 435 | 19900 |
| CLOSED CERTAIN ROOMS | 893 | 68 | 242 | 116 | 149 | 118 | 79 | 54 | 39 | 20 | 8 | 10700 |
| LIVING ROOM ONLY | 26 | 3 | 2 | 3 | 5 | 5 | 2 | 3 | 2 | 2 | - | ... |
| DINING ROOM ONLY | 7 | - | 2 | - | 2 | - | - | 2 | 2 | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 615 | 46 | 185 | 80 | 109 | 79 | 62 | 23 | 17 | 11 | 4 | 9900 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 236 | 16 | 54 | 34 | 33 | 34 | 15 | 22 | 17 | 7 | 5 | 12200 |
| NOT REPORTED | 8 | 3 | - | - | - | - | - | 4 | 1 | - | - | ... |
| NOT REPORTED | 145 | 5 | 25 | 13 | 15 | 7 | 28 | 17 | 19 | 5 | 10 | 21300 |
| NO HEATING EQUIPMENT | 41 | - | 7 | 8 | 11 | 8 | 6 | 2 | - | - | - | 12600 |
| RENTER OCCUPIED | 5 682 | 533 | 1 329 | 729 | 1 110 | 741 | 544 | 470 | 164 | 46 | 17 | 11100 |
| WITH HEATING EQUIPMENT | 5 617 | 526 | 1 307 | 717 | 1 100 | 735 | 538 | 469 | 164 | 46 | 17 | 11200 |
| NO ROOMS CLOSED | 5 015 | 465 | 1 114 | 617 | 984 | 681 | 494 | 448 | 152 | 46 | 14 | 11600 |
| CLOSED CERTAIN ROOMS | 513 | 59 | 178 | 86 | 95 | 38 | 35 | 13 | 7 | - | 4 | 7700 |
| LIVING ROOM ONLY | 23 | 1 | 10 | 3 | 6 | 2 | 1 | - | - | - | - | ... |
| DINING ROOM ONLY | 4 | - | 2 | - | - | - | - | 2 | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 311 | 36 | 109 | 54 | 60 | 20 | 19 | 6 | 5 | - | 2 | 7600 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 166 | 22 | 52 | 28 | 27 | 14 | 14 | 5 | 2 | - | 2 | 8000 |
| NOT REPORTED | 10 | - | 6 | - | 2 | 2 | - | - | - | - | - | ... |
| NOT REPORTED | 89 | 2 | 15 | 14 | 20 | 16 | 10 | 7 | 5 | - | - | 13400 |
| NO HEATING EQUIPMENT | 65 | 7 | 22 | 12 | 10 | 6 | 5 | 2 | - | - | - | 7900 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE D-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| OWNER OCCUPIED | 17 449 | 621 | 2 189 | 1 529 | 2 413 | 2 270 | 2 008 | 2 851 | 2 165 | 949 | 454 | 19300 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 401 | 1 462 | 1 128 | 1 855 | 1 822 | 1 653 | 2 549 | 2 019 | 891 | 437 | 21300 |
| NO ADDITIONAL HEAT SOURCE USED | 12 780 | 349 | 1 263 | 969 | 1 641 | 1 624 | 1 463 | 2 340 | 1 871 | 845 | 413 | 21900 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 1 120 | 43 | 143 | 132 | 167 | 161 | 155 | 167 | 109 | 31 | 12 | 17300 |
| NOT REPORTED | 317 | 8 | 56 | 27 | 46 | 37 | 35 | 42 | 38 | 14 | 11 | 17700 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 220 | 727 | 400 | 559 | 448 | 354 | 302 | 147 | 59 | 17 | 12400 |
| RENTER OCCUPIED | 5 682 | 533 | 1 329 | 729 | 1 110 | 741 | 544 | 470 | 164 | 46 | 17 | 11100 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 355 | 831 | 515 | 862 | 618 | 453 | 416 | 154 | 44 | 12 | 12500 |
| NO ADDITIONAL HEAT SOURCE USED | 3 588 | 299 | 680 | 425 | 693 | 537 | 393 | 373 | 139 | 37 | 12 | 12800 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 519 | 37 | 116 | 72 | 127 | 63 | 47 | 36 | 12 | 7 | - | 11300 |
| NOT REPORTED | 153 | 19 | 35 | 17 | 42 | 18 | 13 | 6 | 3 | - | - | 10700 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 178 | 498 | 214 | 248 | 123 | 91 | 55 | 9 | 2 | 5 | 7500 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| OWNER OCCUPIED | 17 449 | 621 | 2 189 | 1 529 | 2 413 | 2 270 | 2 008 | 2 851 | 2 165 | 949 | 454 | 19300 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 401 | 1 462 | 1 128 | 1 855 | 1 822 | 1 653 | 2 549 | 2 019 | 891 | 437 | 21300 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 10 950 | 270 | 908 | 713 | 1 322 | 1 373 | 1 298 | 2 105 | 1 785 | 798 | 378 | 23400 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 910 | 115 | 498 | 377 | 481 | 409 | 321 | 392 | 200 | 76 | 41 | 14800 |
| 1 ROOM | 666 | 20 | 71 | 70 | 88 | 79 | 79 | 112 | 90 | 35 | 22 | 20300 |
| 2 ROOMS | 600 | 28 | 120 | 80 | 111 | 73 | 66 | 74 | 35 | 9 | 4 | 13300 |
| 3 ROOMS OR MORE | 1 644 | 67 | 307 | 227 | 281 | 256 | 177 | 205 | 75 | 32 | 16 | 13900 |
| NOT REPORTED | 356 | 15 | 57 | 36 | 52 | 41 | 35 | 52 | 33 | 17 | 17 | 17000 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 220 | 727 | 400 | 559 | 448 | 354 | 302 | 147 | 59 | 17 | 12400 |
| RENTER OCCUPIED | 5 682 | 533 | 1 329 | 729 | 1 110 | 741 | 544 | 470 | 164 | 46 | 17 | 11100 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 355 | 831 | 515 | 862 | 618 | 453 | 416 | 154 | 44 | 12 | 12500 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 081 | 215 | 546 | 351 | 595 | 487 | 361 | 347 | 127 | 41 | 12 | 13600 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 027 | 123 | 248 | 145 | 225 | 115 | 81 | 62 | 24 | 3 | - | 10000 |
| 1 ROOM | 244 | 36 | 47 | 35 | 51 | 31 | 23 | 14 | 7 | - | - | 10400 |
| 2 ROOMS | 273 | 32 | 76 | 45 | 53 | 26 | 9 | 20 | 10 | - | - | 8900 |
| 3 ROOMS OR MORE | 511 | 55 | 124 | 65 | 121 | 59 | 48 | 28 | 7 | 3 | - | 10400 |
| NOT REPORTED | 151 | 16 | 37 | 19 | 42 | 16 | 11 | 7 | 3 | - | - | 10400 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 178 | 498 | 214 | 248 | 123 | 91 | 55 | 9 | 2 | 5 | 7500 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| OWNER OCCUPIED | 17 449 | 621 | 2 189 | 1 529 | 2 413 | 2 270 | 2 008 | 2 851 | 2 165 | 949 | 454 | 19300 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 401 | 1 462 | 1 128 | 1 855 | 1 822 | 1 653 | 2 549 | 2 019 | 891 | 437 | 21300 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 220 | 727 | 400 | 559 | 448 | 354 | 302 | 147 | 59 | 17 | 12400 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 2 648 | 174 | 557 | 328 | 454 | 389 | 311 | 248 | 124 | 47 | 16 | 12900 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 297 | 32 | 119 | 33 | 55 | 20 | 20 | 11 | 5 | 2 | - | 6900 |
| NOT REPORTED | 288 | 14 | 52 | 39 | 50 | 38 | 24 | 43 | 18 | 10 | 1 | 13900 |
| RENTER OCCUPIED | 5 682 | 533 | 1 329 | 729 | 1 110 | 741 | 544 | 470 | 164 | 46 | 17 | 11100 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 355 | 831 | 515 | 862 | 618 | 453 | 416 | 154 | 44 | 12 | 12500 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 178 | 498 | 214 | 248 | 123 | 91 | 55 | 9 | 2 | 5 | 7500 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 019 | 120 | 360 | 160 | 173 | 93 | 65 | 42 | 6 | - | 2 | 7600 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 288 | 48 | 101 | 43 | 54 | 18 | 11 | 8 | 2 | - | 4 | 6800 |
| NOT REPORTED | 116 | 10 | 37 | 12 | 21 | 12 | 15 | 5 | 2 | 2 | - | 9500 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 1 429 | 4 162 | 2 789 | 4 398 | 3 627 | 3 036 | 3 753 | 2 588 | 1 114 | 534 | 16300 |
| AIR CONDITIONING | | | | | | | | | | | | |
| OWNER OCCUPIED | 18 491 | 648 | 2 266 | 1 614 | 2 544 | 2 428 | 2 139 | 3 021 | 2 307 | 1 030 | 494 | 19500 |
| WITH AIR CONDITIONING | 14 796 | 374 | 1 371 | 1 129 | 1 916 | 1 924 | 1 777 | 2 703 | 2 142 | 980 | 480 | 21900 |
| ROOM UNITS | 6 459 | 221 | 920 | 730 | 1 136 | 1 005 | 851 | 871 | 489 | 168 | 69 | 16100 |
| 1 | 3 733 | 161 | 663 | 481 | 692 | 583 | 468 | 430 | 171 | 56 | 28 | 14100 |
| 2 | 1 940 | 52 | 206 | 197 | 333 | 314 | 282 | 285 | 188 | 62 | 21 | 17900 |
| 3 | 559 | 7 | 38 | 41 | 81 | 75 | 79 | 117 | 82 | 28 | 11 | 22400 |
| 4 | 162 | - | 11 | 6 | 25 | 27 | 16 | 29 | 29 | 13 | 6 | 23700 |
| 5 OR MORE | 66 | - | 2 | 5 | 5 | 6 | 6 | 10 | 19 | 9 | 4 | 33800 |
| CENTRAL SYSTEM | 8 337 | 153 | 451 | 399 | 780 | 919 | 926 | 1 832 | 1 653 | 813 | 410 | 27900 |
| WITH NO AIR CONDITIONING | 3 695 | 274 | 995 | 486 | 627 | 504 | 362 | 318 | 165 | 49 | 14 | 11500 |
| RENTER OCCUPIED | 8 939 | 782 | 1 896 | 1 174 | 1 855 | 1 199 | 897 | 731 | 281 | 84 | 40 | 11700 |
| WITH AIR CONDITIONING | 6 156 | 382 | 941 | 749 | 1 350 | 982 | 742 | 636 | 259 | 79 | 36 | 13700 |
| ROOM UNITS | 2 769 | 225 | 575 | 380 | 610 | 394 | 289 | 204 | 70 | 12 | 10 | 11700 |
| 1 | 2 061 | 190 | 475 | 313 | 443 | 273 | 202 | 122 | 31 | 6 | 6 | 10600 |
| 2 | 595 | 33 | 91 | 57 | 141 | 103 | 67 | 65 | 28 | 6 | 3 | 14100 |
| 3 | 88 | 2 | 6 | 7 | 20 | 13 | 18 | 14 | 8 | - | - | 18300 |
| 4 | 15 | - | 2 | 2 | 1 | 3 | 2 | 3 | 2 | - | - | ... |
| 5 OR MORE | 8 | - | - | 2 | 5 | 2 | - | - | - | - | - | ... |
| CENTRAL SYSTEM | 3 388 | 157 | 366 | 370 | 740 | 588 | 453 | 432 | 189 | 67 | 26 | 15500 |
| WITH NO AIR CONDITIONING | 2 783 | 400 | 955 | 425 | 505 | 218 | 155 | 95 | 21 | 5 | 4 | 7300 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | | | | | | | | |
| OWNER OCCUPIED | 12 427 | 222 | 480 | 708 | 1 391 | 1 806 | 1 753 | 2 681 | 2 024 | 928 | 434 | 24600 |
| DRIVES SELF | 9 177 | 142 | 312 | 458 | 1 031 | 1 330 | 1 283 | 2 004 | 1 543 | 718 | 355 | 25200 |
| CARPOOL | 2 417 | 38 | 85 | 175 | 250 | 356 | 359 | 558 | 391 | 150 | 56 | 24300 |
| MASS TRANSPORTATION | 160 | 5 | 12 | 12 | 19 | 24 | 17 | 23 | 25 | 12 | 9 | 21900 |
| BICYCLE, MOTORCYCLE, OR MOPED | 91 | - | 2 | - | 8 | 18 | 20 | 19 | 12 | 11 | 2 | 24400 |
| TAXICAB | 5 | - | 3 | 2 | - | - | - | - | - | - | - | ... |
| WALKS ONLY | 228 | 9 | 26 | 30 | 37 | 37 | 32 | 24 | 18 | 10 | 6 | 16600 |
| OTHER MEANS | 58 | - | 4 | 3 | 9 | 11 | 11 | 5 | 4 | 7 | 4 | 20900 |
| WORKS AT HOME | 290 | 28 | 37 | 28 | 37 | 29 | 31 | 46 | 32 | 19 | 3 | 17700 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE D-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[1]--CONTINUED | | | | | | | | | | | | |
| RENTER OCCUPIED | 6 279 | 240 | 767 | 852 | 1 545 | 1 042 | 809 | 661 | 254 | 75 | 34 | 14100 |
| DRIVES SELF | 4 048 | 120 | 392 | 505 | 987 | 730 | 593 | 459 | 183 | 55 | 25 | 15100 |
| CARPOOL | 1 324 | 57 | 185 | 183 | 336 | 189 | 167 | 145 | 44 | 15 | 2 | 13500 |
| MASS TRANSPORTATION | 319 | 24 | 72 | 51 | 84 | 34 | 16 | 22 | 12 | 4 | - | 10700 |
| BICYCLE, MOTORCYCLE, OR MOPED | 102 | 4 | 14 | 20 | 23 | 23 | 10 | 8 | - | - | - | 12900 |
| TAXICAB | 31 | - | 9 | 12 | 4 | 2 | 2 | 4 | - | - | - | ... |
| WALKS ONLY | 343 | 26 | 75 | 60 | 85 | 43 | 19 | 20 | 12 | - | 4 | 10600 |
| OTHER MEANS | 17 | - | 4 | 2 | 4 | 4 | - | - | - | 2 | - | ... |
| WORKS AT HOME | 93 | 9 | 16 | 18 | 21 | 16 | 3 | 3 | 4 | - | 3 | 10800 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 12 427 | 222 | 480 | 708 | 1 391 | 1 806 | 1 753 | 2 681 | 2 024 | 928 | 434 | 24600 |
| HOUSEHOLDER DRIVES ALONE | 9 177 | 142 | 312 | 458 | 1 031 | 1 330 | 1 283 | 2 004 | 1 543 | 718 | 355 | 25200 |
| IRREGULAR OR UNUSUAL WORK HOURS | 2 869 | 30 | 74 | 102 | 257 | 392 | 384 | 663 | 562 | 286 | 120 | 28000 |
| IRREGULAR WORK LOCATION | 599 | 5 | 27 | 22 | 68 | 73 | 88 | 114 | 127 | 45 | 29 | 26300 |
| CAR NEEDED FOR WORK OR ERRANDS | 1 502 | 45 | 34 | 48 | 132 | 163 | 215 | 353 | 276 | 150 | 87 | 28300 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 2 363 | 35 | 117 | 196 | 350 | 408 | 342 | 485 | 280 | 108 | 42 | 21100 |
| LIKES PRIVACY | 486 | 7 | 19 | 22 | 66 | 74 | 54 | 108 | 78 | 40 | 18 | 25000 |
| OUT OF THE WAY TO PICK UP OTHERS | 410 | 7 | 19 | 24 | 46 | 73 | 68 | 79 | 56 | 20 | 16 | 22600 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 89 | - | 4 | 4 | 14 | 6 | 9 | 14 | 32 | 4 | 1 | 29600 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 213 | 3 | 2 | 4 | 22 | 44 | 29 | 55 | 30 | 7 | 17 | 25600 |
| DOESN'T TRUST OTHERS DRIVING | 6 | - | - | - | 2 | 4 | - | - | - | - | - | ... |
| SOME OTHER REASON | 582 | 11 | 13 | 34 | 63 | 87 | 93 | 118 | 88 | 51 | 23 | 24400 |
| NOT REPORTED | 59 | - | 2 | 2 | 12 | 6 | 2 | 14 | 13 | 8 | 2 | 30000 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 3 249 | 80 | 168 | 250 | 360 | 476 | 469 | 677 | 481 | 210 | 79 | 23100 |
| RENTER OCCUPIED | 6 279 | 240 | 767 | 852 | 1 545 | 1 042 | 809 | 661 | 254 | 75 | 34 | 14100 |
| HOUSEHOLDER DRIVES ALONE | 4 048 | 120 | 392 | 505 | 987 | 730 | 593 | 459 | 183 | 55 | 25 | 15100 |
| IRREGULAR OR UNUSUAL WORK HOURS | 1 205 | 21 | 93 | 153 | 298 | 198 | 179 | 145 | 86 | 18 | 14 | 15900 |
| IRREGULAR WORK LOCATION | 243 | 13 | 15 | 16 | 42 | 39 | 59 | 32 | 19 | 6 | 3 | 19600 |
| CAR NEEDED FOR WORK OR ERRANDS | 649 | 28 | 60 | 68 | 132 | 123 | 89 | 104 | 24 | 17 | 3 | 16500 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 1 089 | 33 | 144 | 171 | 278 | 189 | 146 | 100 | 24 | 3 | 1 | 13500 |
| LIKES PRIVACY | 271 | 5 | 20 | 27 | 74 | 57 | 37 | 38 | 10 | 3 | - | 15900 |
| OUT OF THE WAY TO PICK UP OTHERS | 174 | 6 | 18 | 18 | 54 | 33 | 21 | 16 | 5 | 4 | - | 14200 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 73 | 4 | 12 | 9 | 16 | 13 | 12 | 3 | 4 | - | - | 13700 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 122 | 2 | 11 | 12 | 37 | 38 | 14 | 5 | 3 | - | - | 14900 |
| DOESN'T TRUST OTHERS DRIVING | 17 | - | 7 | 1 | 5 | 2 | - | - | - | - | 2 | ... |
| SOME OTHER REASON | 185 | 8 | 8 | 25 | 41 | 38 | 36 | 16 | 8 | 3 | 2 | 16400 |
| NOT REPORTED | 21 | - | 5 | 5 | 10 | 2 | - | - | - | - | - | ... |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 2 231 | 120 | 375 | 347 | 558 | 312 | 216 | 202 | 72 | 21 | 9 | 12400 |
| DISTANCE FROM HOME TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 12 427 | 222 | 480 | 708 | 1 391 | 1 806 | 1 753 | 2 681 | 2 024 | 928 | 434 | 24600 |
| LESS THAN 1 MILE | 771 | 22 | 54 | 98 | 115 | 114 | 105 | 109 | 81 | 47 | 25 | 19200 |
| 1 TO 4 MILES | 2 373 | 41 | 110 | 171 | 298 | 429 | 323 | 471 | 303 | 139 | 87 | 22100 |
| 5 TO 9 MILES | 2 486 | 32 | 78 | 114 | 284 | 335 | 407 | 547 | 439 | 153 | 96 | 24900 |
| 10 TO 19 MILES | 2 750 | 42 | 95 | 116 | 291 | 395 | 383 | 621 | 487 | 234 | 87 | 25900 |
| 20 TO 29 MILES | 1 173 | 17 | 25 | 44 | 106 | 164 | 146 | 266 | 257 | 106 | 41 | 28200 |
| 30 TO 49 MILES | 712 | 7 | 14 | 27 | 57 | 92 | 108 | 194 | 135 | 62 | 16 | 27600 |
| 50 MILES OR MORE | 279 | 4 | 3 | 21 | 26 | 40 | 41 | 84 | 37 | 17 | 6 | 25500 |
| WORKS AT HOME | 290 | 28 | 37 | 28 | 37 | 29 | 31 | 46 | 32 | 19 | 3 | 17700 |
| NO FIXED PLACE OF WORK | 1 594 | 29 | 64 | 89 | 175 | 208 | 209 | 343 | 253 | 152 | 73 | 25700 |
| MEDIAN | 9.3 | 8.0 | 5.6 | 6.1 | 8.1 | 8.6 | 9.0 | 10.3 | 10.9 | 11.7 | 8.4 | ... |
| RENTER OCCUPIED | 6 279 | 240 | 767 | 852 | 1 545 | 1 042 | 809 | 661 | 254 | 75 | 34 | 14100 |
| LESS THAN 1 MILE | 643 | 33 | 115 | 104 | 174 | 104 | 52 | 39 | 19 | 2 | 4 | 12000 |
| 1 TO 4 MILES | 1 590 | 63 | 229 | 273 | 392 | 254 | 182 | 122 | 51 | 14 | 9 | 12900 |
| 5 TO 9 MILES | 1 291 | 41 | 143 | 166 | 354 | 220 | 165 | 138 | 49 | 10 | 3 | 14200 |
| 10 TO 19 MILES | 1 261 | 40 | 126 | 140 | 317 | 213 | 205 | 146 | 52 | 21 | 1 | 15200 |
| 20 TO 29 MILES | 375 | 10 | 38 | 32 | 92 | 50 | 62 | 54 | 31 | 7 | - | 16500 |
| 30 TO 49 MILES | 196 | 7 | 20 | 26 | 37 | 38 | 29 | 24 | 13 | 2 | - | 16100 |
| 50 MILES OR MORE | 98 | 2 | 3 | 10 | 23 | 17 | 12 | 22 | 8 | - | - | 18200 |
| WORKS AT HOME | 93 | 9 | 16 | 18 | 21 | 16 | 3 | 3 | 4 | - | 3 | 10800 |
| NO FIXED PLACE OF WORK | 730 | 36 | 77 | 82 | 135 | 131 | 99 | 111 | 26 | 19 | 13 | 16400 |
| MEDIAN | 6.9 | 5.2 | 4.9 | 5.0 | 6.8 | 7.0 | 8.6 | 9.0 | 9.2 | 10.8 | ... | ... |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 12 427 | 222 | 480 | 708 | 1 391 | 1 806 | 1 753 | 2 681 | 2 024 | 928 | 434 | 24600 |
| LESS THAN 15 MINUTES | 3 497 | 67 | 152 | 243 | 442 | 537 | 490 | 688 | 508 | 235 | 136 | 23100 |
| 15 TO 29 MINUTES | 4 082 | 59 | 135 | 209 | 456 | 608 | 634 | 938 | 648 | 257 | 137 | 24500 |
| 30 TO 44 MINUTES | 1 766 | 27 | 65 | 76 | 168 | 257 | 212 | 363 | 367 | 179 | 53 | 27200 |
| 45 TO 59 MINUTES | 645 | 5 | 17 | 24 | 55 | 96 | 95 | 173 | 108 | 52 | 20 | 26800 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 401 | 6 | 3 | 28 | 40 | 44 | 56 | 93 | 93 | 26 | 11 | 27300 |
| 1 HOUR AND 30 MINUTES OR MORE | 151 | 2 | 6 | 11 | 17 | 28 | 26 | 37 | 15 | 7 | 2 | 22100 |
| WORKS AT HOME | 290 | 28 | 37 | 28 | 37 | 29 | 31 | 46 | 32 | 19 | 3 | 17700 |
| NO FIXED PLACE OF WORK | 1 594 | 29 | 64 | 89 | 175 | 208 | 209 | 343 | 253 | 152 | 73 | 25700 |
| MEDIAN | 21.5 | 19.0 | 19.2 | 18.8 | 19.8 | 21.1 | 21.3 | 22.3 | 23.4 | 23.3 | 19.7 | ... |
| RENTER OCCUPIED | 6 279 | 240 | 767 | 852 | 1 545 | 1 042 | 809 | 661 | 254 | 75 | 34 | 14100 |
| LESS THAN 15 MINUTES | 2 169 | 73 | 302 | 312 | 563 | 376 | 269 | 166 | 78 | 19 | 11 | 13500 |
| 15 TO 29 MINUTES | 2 025 | 81 | 238 | 281 | 509 | 301 | 277 | 238 | 78 | 17 | 6 | 14100 |
| 30 TO 44 MINUTES | 795 | 27 | 76 | 103 | 207 | 158 | 95 | 76 | 36 | 17 | - | 14600 |
| 45 TO 59 MINUTES | 233 | 4 | 32 | 27 | 42 | 36 | 41 | 37 | 14 | - | - | 16600 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 173 | 11 | 16 | 23 | 50 | 16 | 24 | 23 | 8 | 3 | - | 13700 |
| 1 HOUR AND 30 MINUTES OR MORE | 60 | - | 10 | 7 | 17 | 9 | 2 | 7 | 9 | - | - | 13900 |
| WORKS AT HOME | 93 | 9 | 16 | 18 | 21 | 16 | 3 | 3 | 4 | - | 3 | 10800 |
| NO FIXED PLACE OF WORK | 730 | 36 | 77 | 82 | 135 | 131 | 99 | 111 | 28 | 19 | 13 | 16400 |
| MEDIAN | 19.1 | 19.6 | 17.2 | 18.4 | 18.9 | 18.5 | 19.6 | 21.7 | 21.4 | 23.0 | ... | ... |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE D-3. VALUE OF OWNER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | LESS THAN $10,000 | $10,000 TO $19,999 | $20,000 TO $29,999 | $30,000 TO $39,999 | $40,000 TO $49,999 | $50,000 TO $59,999 | $60,000 TO $74,999 | $75,000 TO $99,999 | $100,000 TO $199,999 | $200,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 429 | 1 082 | 1 674 | 2 521 | 2 370 | 1 665 | 1 956 | 1 546 | 1 191 | 192 | 46800 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| UTILITY GAS | 7 604 | 226 | 624 | 996 | 1 325 | 1 212 | 828 | 929 | 798 | 577 | 89 | 45200 |
| BOTTLED, TANK, OR LP GAS | 884 | 73 | 178 | 165 | 161 | 112 | 64 | 55 | 49 | 24 | 3 | 31600 |
| FUEL OIL | 1 527 | 37 | 105 | 188 | 311 | 220 | 179 | 197 | 137 | 132 | 21 | 45600 |
| KEROSENE, ETC | 119 | 14 | 27 | 19 | 24 | 17 | 11 | 1 | 6 | - | - | 29200 |
| ELECTRICITY | 4 026 | 29 | 83 | 226 | 640 | 732 | 535 | 733 | 525 | 446 | 77 | 55700 |
| COAL OR COKE | 42 | 9 | 8 | 10 | 7 | 4 | 2 | 3 | - | - | - | 23900 |
| WOOD | 366 | 38 | 44 | 63 | 47 | 62 | 40 | 33 | 25 | 11 | 2 | 37900 |
| SOLAR HEAT | 2 | - | - | 2 | - | - | - | - | - | - | - | ... |
| OTHER FUEL | 5 | - | 2 | - | 2 | 2 | - | - | - | - | - | ... |
| NONE | 51 | 2 | 9 | 6 | 6 | 10 | 7 | 6 | 6 | - | - | 43200 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| ELECTRICITY PAID FOR | 14 617 | 426 | 1 079 | 1 674 | 2 521 | 2 370 | 1 665 | 1 955 | 1 544 | 1 191 | 192 | 46800 |
| LESS THAN $10 | 55 | 10 | 20 | 7 | 8 | - | 3 | - | 2 | 3 | 4 | 19100 |
| $10 TO $19 | 491 | 67 | 129 | 94 | 78 | 47 | 28 | 17 | 25 | 2 | 3 | 25200 |
| $20 TO $29 | 1 149 | 109 | 212 | 235 | 225 | 161 | 95 | 52 | 36 | 20 | 2 | 30900 |
| $30 TO $39 | 1 842 | 98 | 212 | 313 | 410 | 278 | 190 | 196 | 95 | 49 | 2 | 37300 |
| $40 TO $49 | 1 712 | 48 | 135 | 235 | 336 | 315 | 204 | 203 | 123 | 100 | 14 | 43200 |
| $50 TO $59 | 1 862 | 38 | 125 | 246 | 378 | 331 | 206 | 226 | 189 | 108 | 14 | 44400 |
| $60 TO $79 | 3 012 | 23 | 150 | 313 | 518 | 561 | 424 | 446 | 356 | 210 | 12 | 48900 |
| $80 TO $99 | 1 618 | 19 | 58 | 102 | 246 | 267 | 195 | 320 | 224 | 178 | 8 | 56000 |
| $100 TO $149 | 2 094 | 11 | 25 | 107 | 277 | 330 | 252 | 373 | 339 | 318 | 61 | 61800 |
| $150 OR MORE | 781 | 3 | 13 | 23 | 45 | 79 | 67 | 124 | 152 | 203 | 72 | 81100 |
| MEDIAN | 61 | 32 | 38 | 47 | 55 | 62 | 65 | 72 | 76 | 91 | 130 | ... |
| NO ELECTRICITY USED | 8 | 4 | 3 | - | - | - | - | - | 2 | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| GAS PAID FOR | 9 590 | 337 | 889 | 1 280 | 1 655 | 1 506 | 1 014 | 1 141 | 962 | 696 | 110 | 44200 |
| LESS THAN $10 | 423 | 20 | 52 | 59 | 75 | 73 | 38 | 34 | 43 | 25 | 4 | 40700 |
| $10 TO $14 | 587 | 36 | 80 | 82 | 84 | 86 | 54 | 68 | 57 | 38 | 2 | 41200 |
| $15 TO $19 | 668 | 37 | 84 | 87 | 137 | 100 | 70 | 52 | 54 | 41 | 6 | 39100 |
| $20 TO $24 | 1 043 | 45 | 105 | 161 | 177 | 193 | 88 | 132 | 77 | 61 | 4 | 41700 |
| $25 TO $29 | 1 012 | 34 | 91 | 135 | 215 | 169 | 121 | 90 | 108 | 41 | 8 | 41800 |
| $30 TO $39 | 1 933 | 65 | 161 | 308 | 332 | 316 | 218 | 246 | 176 | 93 | 18 | 43200 |
| $40 TO $49 | 1 401 | 44 | 107 | 167 | 266 | 220 | 151 | 179 | 143 | 117 | 7 | 45300 |
| $50 TO $69 | 1 664 | 38 | 140 | 173 | 255 | 241 | 197 | 224 | 195 | 172 | 30 | 49400 |
| $70 TO $99 | 591 | 11 | 47 | 74 | 76 | 73 | 59 | 88 | 74 | 77 | 13 | 52500 |
| $100 OR MORE | 269 | 7 | 20 | 34 | 38 | 35 | 19 | 30 | 37 | 32 | 19 | 50700 |
| MEDIAN | 35 | 29 | 32 | 33 | 34 | 34 | 36 | 37 | 37 | 44 | 54 | ... |
| NO GAS USED | 5 035 | 92 | 193 | 394 | 865 | 865 | 651 | 816 | 583 | 495 | 82 | 51700 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 909 | 116 | 219 | 295 | 452 | 415 | 300 | 424 | 370 | 276 | 42 | 49000 |
| LESS THAN $100 | 565 | 26 | 24 | 32 | 43 | 63 | 61 | 114 | 114 | 75 | 12 | 64300 |
| $100 TO $199 | 590 | 20 | 37 | 52 | 76 | 98 | 60 | 105 | 78 | 57 | 7 | 52000 |
| $200 TO $299 | 293 | 19 | 32 | 28 | 59 | 40 | 25 | 44 | 19 | 23 | 2 | 41900 |
| $300 TO $399 | 269 | 17 | 33 | 38 | 51 | 42 | 18 | 29 | 26 | 16 | - | 39200 |
| $400 TO $499 | 196 | 12 | 22 | 19 | 38 | 44 | 19 | 19 | 15 | 7 | - | 41500 |
| $500 TO $599 | 196 | 7 | 21 | 35 | 36 | 30 | 20 | 18 | 15 | 11 | 2 | 39600 |
| $600 TO $699 | 223 | 6 | 19 | 40 | 53 | 35 | 11 | 15 | 30 | 12 | 2 | 38700 |
| $700 TO $799 | 133 | 2 | 18 | 17 | 33 | 19 | 13 | 6 | 12 | 10 | 2 | 38800 |
| $800 OR MORE | 445 | 6 | 13 | 32 | 62 | 44 | 72 | 74 | 59 | 66 | 16 | 58900 |
| MEDIAN | 302 | 261 | 349 | 390 | 392 | 315 | 317 | 193 | 190 | 226 | 502 | ... |
| FUELS NOT USED OR FREE | 11 717 | 313 | 863 | 1 379 | 2 069 | 1 955 | 1 365 | 1 532 | 1 176 | 915 | 149 | 46300 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 7 823 | 42 | 200 | 517 | 1 141 | 1 353 | 1 103 | 1 321 | 1 132 | 878 | 136 | 56000 |
| HEAT PUMP | 812 | - | 5 | 16 | 53 | 97 | 103 | 195 | 163 | 156 | 26 | 70200 |
| STEAM OR HOT WATER | 448 | - | 22 | 32 | 76 | 57 | 40 | 71 | 74 | 69 | 7 | 59200 |
| BUILT-IN ELECTRIC UNITS | 1 046 | 22 | 32 | 111 | 295 | 240 | 130 | 133 | 48 | 26 | 8 | 42600 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 263 | 22 | 152 | 329 | 350 | 201 | 102 | 69 | 19 | 16 | 4 | 33700 |
| ROOM HEATERS WITH FLUE | 875 | 71 | 221 | 227 | 180 | 89 | 41 | 23 | 20 | 3 | - | 26400 |
| ROOM HEATERS WITHOUT FLUE | 1 229 | 169 | 299 | 272 | 233 | 124 | 41 | 46 | 26 | 17 | 2 | 25400 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 078 | 102 | 141 | 166 | 188 | 198 | 97 | 93 | 59 | 26 | 8 | 36900 |
| NONE | 51 | 2 | 9 | 6 | 6 | 10 | 7 | 6 | 6 | - | - | 43200 |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 429 | 1 082 | 1 674 | 2 521 | 2 370 | 1 665 | 1 956 | 1 546 | 1 191 | 192 | 46800 |
| UNITS OCCUPIED LAST WINTER | 13 913 | 413 | 1 051 | 1 604 | 2 424 | 2 241 | 1 586 | 1 868 | 1 448 | 1 103 | 176 | 46500 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| WITH HEATING EQUIPMENT | 13 876 | 411 | 1 045 | 1 600 | 2 419 | 2 237 | 1 581 | 1 862 | 1 442 | 1 103 | 176 | 46500 |
| NO ROOMS CLOSED | 13 076 | 342 | 908 | 1 457 | 2 284 | 2 125 | 1 524 | 1 800 | 1 393 | 1 082 | 161 | 47300 |
| CLOSED CERTAIN ROOMS | 686 | 69 | 121 | 135 | 115 | 90 | 48 | 44 | 38 | 16 | 9 | 31600 |
| LIVING ROOM ONLY | 23 | - | - | 3 | 3 | 6 | - | 3 | 7 | - | - | ... |
| DINING ROOM ONLY | 7 | 2 | 2 | 2 | - | - | 2 | - | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 457 | 48 | 96 | 93 | 72 | 64 | 25 | 20 | 23 | 10 | 6 | 29000 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 192 | 17 | 23 | 37 | 40 | 18 | 21 | 19 | 8 | 6 | 3 | 34800 |
| NOT REPORTED | 7 | 2 | - | - | - | 2 | 1 | 2 | - | - | - | ... |
| NOT REPORTED | 114 | - | 16 | 8 | 19 | 22 | 9 | 18 | 11 | 5 | 6 | 46300 |
| NO HEATING EQUIPMENT | 37 | 2 | 6 | 4 | 6 | 4 | 5 | 6 | 6 | - | - | 45000 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE D-3. VALUE OF OWNER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | LESS THAN $10,000 | $10,000 TO $19,999 | $20,000 TO $29,999 | $30,000 TO $39,999 | $40,000 TO $49,999 | $50,000 TO $59,999 | $60,000 TO $74,999 | $75,000 TO $99,999 | $100,000 TO $199,999 | $200,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED OWNER OCCUPIED[1]--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 11 653 | 146 | 617 | 1 192 | 2 016 | 1 923 | 1 449 | 1 726 | 1 357 | 1 061 | 166 | 49600 |
| NO ADDITIONAL HEAT SOURCE USED | 10 503 | 111 | 503 | 1 035 | 1 790 | 1 735 | 1 344 | 1 593 | 1 259 | 979 | 154 | 50600 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 923 | 28 | 93 | 133 | 190 | 152 | 88 | 98 | 71 | 64 | 6 | 41100 |
| NOT REPORTED | 227 | 7 | 20 | 24 | 37 | 36 | 18 | 35 | 27 | 18 | 6 | 47200 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 260 | 267 | 434 | 412 | 408 | 317 | 137 | 142 | 90 | 42 | 10 | 30400 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 11 653 | 146 | 617 | 1 192 | 2 016 | 1 923 | 1 449 | 1 726 | 1 357 | 1 061 | 166 | 49600 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 8 862 | 47 | 258 | 605 | 1 417 | 1 509 | 1 214 | 1 479 | 1 214 | 976 | 144 | 54900 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 534 | 92 | 338 | 560 | 560 | 379 | 211 | 208 | 110 | 64 | 13 | 34900 |
| 1 ROOM | 394 | 22 | 49 | 84 | 92 | 102 | 58 | 80 | 65 | 37 | 6 | 44900 |
| 2 ROOMS | 517 | 22 | 80 | 133 | 120 | 71 | 30 | 38 | 13 | 6 | 5 | 32000 |
| 3 ROOMS OR MORE | 1 423 | 48 | 210 | 343 | 349 | 205 | 122 | 91 | 32 | 21 | 2 | 33200 |
| NOT REPORTED | 257 | 7 | 20 | 28 | 40 | 36 | 25 | 38 | 33 | 22 | 8 | 49500 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 260 | 267 | 434 | 412 | 408 | 317 | 137 | 142 | 90 | 42 | 10 | 30400 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 11 653 | 146 | 617 | 1 192 | 2 016 | 1 923 | 1 449 | 1 726 | 1 357 | 1 061 | 166 | 49600 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 2 260 | 267 | 434 | 412 | 408 | 317 | 137 | 142 | 90 | 42 | 10 | 30400 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 855 | 212 | 336 | 329 | 339 | 284 | 122 | 107 | 83 | 37 | 6 | 31500 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 204 | 49 | 61 | 39 | 31 | - | 8 | 10 | - | 2 | 4 | 18700 |
| NOT REPORTED | 202 | 6 | 38 | 43 | 38 | 33 | 7 | 25 | 8 | 3 | - | 33600 |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 429 | 1 082 | 1 674 | 2 521 | 2 370 | 1 665 | 1 956 | 1 546 | 1 191 | 192 | 46800 |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 11 952 | 145 | 610 | 1 170 | 1 961 | 2 011 | 1 486 | 1 811 | 1 430 | 1 150 | 178 | 50500 |
| ROOM UNITS | 5 125 | 137 | 522 | 930 | 1 299 | 958 | 483 | 446 | 208 | 120 | 22 | 37500 |
| 1 | 2 825 | 120 | 369 | 597 | 744 | 501 | 213 | 175 | 65 | 35 | 6 | 34400 |
| 2 | 1 604 | 16 | 122 | 265 | 406 | 332 | 194 | 156 | 78 | 32 | 4 | 39800 |
| 3 | 496 | 1 | 29 | 55 | 119 | 99 | 59 | 79 | 39 | 12 | 4 | 44400 |
| 4 | 142 | - | 2 | 8 | 24 | 22 | 13 | 26 | 16 | 27 | 5 | 60900 |
| 5 OR MORE | 57 | - | - | 4 | 6 | 4 | 5 | 9 | 11 | 15 | 4 | 76300 |
| CENTRAL SYSTEM | 6 827 | 8 | 88 | 241 | 662 | 1 053 | 1 003 | 1 365 | 1 222 | 1 030 | 155 | 63900 |
| WITH NO AIR CONDITIONING | 2 673 | 284 | 472 | 504 | 559 | 360 | 179 | 145 | 115 | 41 | 14 | 31400 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE D-4. GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | LESS THAN $100 | $100 TO $149 | $150 TO $199 | $200 TO $249 | $250 TO $299 | $300 TO $349 | $350 TO $399 | $400 TO $499 | $500 OR MORE | NO CASH RENT | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 689 | 728 | 1 112 | 1 266 | 1 245 | 1 048 | 766 | 772 | 427 | 561 | 259 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| UTILITY GAS | 4 042 | 406 | 438 | 693 | 628 | 544 | 422 | 288 | 228 | 158 | 236 | 229 |
| BOTTLED, TANK, OR LP GAS | 406 | 40 | 30 | 82 | 64 | 44 | 25 | 19 | 11 | 2 | 90 | 205 |
| FUEL OIL | 729 | 40 | 57 | 98 | 149 | 108 | 85 | 52 | 59 | 27 | 54 | 247 |
| KEROSENE, ETC | 61 | 1 | 14 | 16 | 12 | 7 | 5 | - | - | - | 6 | 188 |
| ELECTRICITY | 2 958 | 107 | 106 | 158 | 362 | 515 | 495 | 394 | 465 | 237 | 119 | 317 |
| COAL OR COKE | 29 | 11 | 5 | 6 | 2 | - | - | - | - | - | 5 | ... |
| WOOD | 261 | 71 | 58 | 34 | 22 | 14 | 11 | 5 | - | 1 | 45 | 131 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 2 | - | - | - | - | 2 | - | - | - | - | - | ... |
| NONE | 125 | 12 | 21 | 25 | 27 | 12 | 5 | 7 | 10 | 2 | 5 | 203 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| ELECTRICITY PAID FOR | 7 163 | 461 | 592 | 944 | 1 082 | 1 047 | 878 | 626 | 688 | 388 | 460 | 263 |
| LESS THAN $10 | 134 | 51 | 22 | 27 | 10 | 7 | 6 | 2 | - | 2 | 7 | 128 |
| $10 TO $19 | 833 | 180 | 139 | 167 | 110 | 92 | 39 | 16 | 23 | 6 | 61 | 170 |
| $20 TO $29 | 1 202 | 130 | 174 | 232 | 215 | 200 | 99 | 32 | 31 | 11 | 77 | 206 |
| $30 TO $39 | 1 203 | 63 | 114 | 199 | 237 | 226 | 134 | 67 | 57 | 16 | 90 | 237 |
| $40 TO $49 | 964 | 17 | 72 | 140 | 200 | 127 | 157 | 88 | 73 | 23 | 68 | 257 |
| $50 TO $59 | 801 | 12 | 43 | 95 | 104 | 140 | 130 | 106 | 98 | 24 | 47 | 293 |
| $60 TO $79 | 1 051 | 4 | 22 | 63 | 162 | 166 | 190 | 178 | 127 | 82 | 55 | 321 |
| $80 TO $99 | 406 | 4 | 3 | 12 | 32 | 49 | 67 | 63 | 104 | 53 | 19 | 371 |
| $100 TO $149 | 430 | - | 2 | 9 | 13 | 37 | 43 | 61 | 134 | 107 | 24 | 429 |
| $150 OR MORE | 141 | - | - | - | - | 2 | 13 | 12 | 40 | 63 | 10 | 495 |
| MEDIAN | 42 | 19 | 27 | 32 | 38 | 39 | 50 | 60 | 69 | 91 | 38 | ... |
| INCLUDED IN RENT | 1 437 | 219 | 136 | 168 | 180 | 199 | 170 | 140 | 84 | 39 | 101 | 239 |
| NO ELECTRICITY USED | 12 | 9 | - | - | 4 | - | - | - | - | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| GAS PAID FOR | 3 739 | 265 | 394 | 659 | 626 | 497 | 359 | 251 | 221 | 174 | 293 | 232 |
| LESS THAN $10 | 446 | 60 | 55 | 75 | 58 | 51 | 48 | 43 | 26 | 5 | 23 | 218 |
| $10 TO $14 | 531 | 63 | 64 | 95 | 91 | 65 | 41 | 22 | 24 | 18 | 47 | 211 |
| $15 TO $19 | 459 | 49 | 49 | 83 | 77 | 62 | 40 | 22 | 34 | 18 | 25 | 223 |
| $20 TO $24 | 469 | 45 | 57 | 68 | 61 | 53 | 63 | 36 | 19 | 20 | 47 | 234 |
| $25 TO $29 | 340 | 19 | 55 | 71 | 64 | 57 | 25 | 15 | 5 | 5 | 24 | 210 |
| $30 TO $39 | 574 | 26 | 69 | 111 | 93 | 92 | 43 | 30 | 41 | 29 | 40 | 232 |
| $40 TO $49 | 367 | 4 | 27 | 80 | 76 | 39 | 35 | 32 | 26 | 17 | 30 | 237 |
| $50 TO $69 | 338 | - | 16 | 55 | 60 | 52 | 41 | 26 | 26 | 29 | 33 | 271 |
| $70 TO $99 | 155 | - | 3 | 21 | 37 | 18 | 11 | 17 | 11 | 24 | 12 | 278 |
| $100 OR MORE | 60 | - | - | - | 9 | 8 | 12 | 6 | 7 | 7 | 12 | 332 |
| MEDIAN | 24 | 16 | 22 | 25 | 27 | 26 | 23 | 25 | 30 | 36 | 26 | ... |
| INCLUDED IN RENT | 2 044 | 294 | 174 | 241 | 265 | 292 | 269 | 184 | 154 | 60 | 111 | 248 |
| NO GAS USED | 2 830 | 130 | 160 | 211 | 375 | 456 | 420 | 331 | 397 | 193 | 156 | 300 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 835 | 79 | 112 | 101 | 129 | 88 | 80 | 42 | 64 | 38 | 102 | 228 |
| LESS THAN $100 | 161 | 20 | 19 | 13 | 15 | 9 | 11 | 8 | 24 | 17 | 25 | 255 |
| $100 TO $199 | 117 | 27 | 19 | 12 | 14 | 9 | 9 | 5 | 12 | 1 | 10 | 183 |
| $200 TO $299 | 103 | 15 | 27 | 14 | 10 | 7 | 3 | - | 2 | 4 | 22 | 146 |
| $300 TO $399 | 85 | 14 | 15 | 10 | 17 | 10 | 8 | 3 | 2 | 3 | 3 | 206 |
| $400 TO $499 | 78 | 2 | 8 | 20 | 18 | 7 | 8 | 1 | 3 | - | 11 | 211 |
| $500 TO $599 | 75 | 1 | 12 | 9 | 20 | 11 | 9 | 3 | 3 | - | 7 | 229 |
| $600 TO $699 | 80 | - | 10 | 10 | 23 | 12 | 6 | 5 | - | 2 | 12 | 230 |
| $700 TO $799 | 40 | - | 2 | 6 | 7 | 7 | - | 6 | 6 | 2 | 4 | 269 |
| $800 OR MORE | 96 | - | 2 | 7 | 5 | 18 | 25 | 9 | 13 | 9 | 8 | 325 |
| MEDIAN | 343 | 171 | 270 | 410 | 446 | 525 | 506 | 592 | 170 | 226 | 271 | ... |
| INCLUDED IN RENT | 833 | 73 | 62 | 100 | 124 | 133 | 92 | 83 | 78 | 47 | 41 | 264 |
| FUELS NOT USED OR FREE | 6 944 | 537 | 553 | 911 | 1 012 | 1 029 | 875 | 641 | 630 | 342 | 418 | 262 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 943 | 151 | 117 | 278 | 462 | 708 | 677 | 511 | 553 | 313 | 172 | 312 |
| HEAT PUMP | 306 | - | 3 | 7 | 23 | 48 | 42 | 45 | 72 | 52 | 15 | 376 |
| STEAM OR HOT WATER | 466 | 46 | 30 | 67 | 78 | 85 | 61 | 41 | 35 | 12 | 12 | 254 |
| BUILT-IN ELECTRIC UNITS | 703 | 50 | 49 | 75 | 165 | 115 | 74 | 49 | 53 | 25 | 48 | 245 |
| FLOOR, WALL, OR PIPELESS FURNACE | 692 | 50 | 68 | 158 | 153 | 87 | 65 | 42 | 16 | 9 | 44 | 215 |
| ROOM HEATERS WITH FLUE | 712 | 110 | 115 | 163 | 127 | 69 | 36 | 15 | 10 | 5 | 61 | 180 |
| ROOM HEATERS WITHOUT FLUE | 1 058 | 137 | 186 | 253 | 162 | 86 | 60 | 39 | 17 | 4 | 113 | 179 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 608 | 132 | 138 | 86 | 68 | 37 | 28 | 17 | 5 | 5 | 91 | 145 |
| NONE | 125 | 12 | 21 | 25 | 27 | 12 | 5 | 7 | 10 | 2 | 5 | 203 |
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 689 | 728 | 1 112 | 1 266 | 1 245 | 1 048 | 766 | 772 | 427 | 561 | 259 |
| UNITS OCCUPIED LAST WINTER | 5 434 | 576 | 557 | 765 | 795 | 712 | 565 | 444 | 377 | 199 | 443 | 237 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| WITH HEATING EQUIPMENT | 5 370 | 569 | 546 | 748 | 779 | 705 | 565 | 442 | 376 | 198 | 441 | 238 |
| NO ROOMS CLOSED | 4 800 | 513 | 464 | 633 | 687 | 644 | 520 | 412 | 357 | 188 | 382 | 243 |
| CLOSED CERTAIN ROOMS | 484 | 55 | 81 | 104 | 81 | 42 | 36 | 24 | 14 | 6 | 42 | 190 |
| LIVING ROOM ONLY | 23 | 1 | 6 | 9 | 2 | - | 2 | 2 | - | - | 2 | ... |
| DINING ROOM ONLY | 4 | - | - | 2 | - | - | - | 2 | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 294 | 33 | 45 | 65 | 44 | 30 | 26 | 12 | 11 | 2 | 26 | 192 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 156 | 19 | 28 | 25 | 35 | 13 | 8 | 6 | 3 | 4 | 14 | 196 |
| NOT REPORTED | 8 | 2 | 2 | 3 | - | - | - | 2 | - | - | - | ... |
| NOT REPORTED | 86 | 2 | 2 | 11 | 10 | 19 | 10 | 7 | 5 | 4 | 17 | 275 |
| NO HEATING EQUIPMENT | 65 | 7 | 11 | 17 | 16 | 7 | - | 2 | 2 | 2 | 2 | 190 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE D-4. GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | LESS THAN $100 | $100 TO $149 | $150 TO $199 | $200 TO $249 | $250 TO $299 | $300 TO $349 | $350 TO $399 | $400 TO $499 | $500 OR MORE | NO CASH RENT | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED RENTER OCCUPIED[1]--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 4 162 | 342 | 283 | 525 | 625 | 639 | 515 | 407 | 365 | 191 | 269 | 263 |
| NO ADDITIONAL HEAT SOURCE USED | 3 505 | 283 | 235 | 407 | 520 | 546 | 439 | 346 | 326 | 166 | 236 | 267 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 506 | 40 | 40 | 93 | 86 | 58 | 62 | 54 | 30 | 20 | 25 | 239 |
| NOT REPORTED | 151 | 19 | 9 | 25 | 18 | 35 | 15 | 7 | 9 | 5 | 9 | 248 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 272 | 234 | 274 | 240 | 170 | 73 | 50 | 38 | 12 | 8 | 174 | 158 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 4 162 | 342 | 283 | 525 | 625 | 639 | 515 | 407 | 365 | 191 | 269 | 263 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 034 | 211 | 156 | 308 | 404 | 497 | 410 | 350 | 330 | 173 | 194 | 284 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 979 | 108 | 118 | 192 | 204 | 107 | 68 | 50 | 27 | 15 | 71 | 209 |
| 1 ROOM | 239 | 28 | 28 | 47 | 37 | 26 | 22 | 13 | 10 | 8 | 19 | 208 |
| 2 ROOMS | 264 | 37 | 43 | 55 | 55 | 25 | 12 | 3 | 7 | 2 | 24 | 185 |
| 3 ROOMS OR MORE | 477 | 43 | 46 | 90 | 111 | 57 | 54 | 33 | 10 | 5 | 28 | 220 |
| NOT REPORTED | 149 | 22 | 9 | 25 | 17 | 35 | 17 | 7 | 8 | 4 | 5 | 245 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 272 | 234 | 274 | 240 | 170 | 73 | 50 | 38 | 12 | 8 | 174 | 158 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 4 162 | 342 | 283 | 525 | 625 | 639 | 515 | 407 | 365 | 191 | 269 | 263 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 272 | 234 | 274 | 240 | 170 | 73 | 50 | 38 | 12 | 8 | 174 | 158 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 907 | 176 | 195 | 163 | 117 | 56 | 33 | 30 | 9 | 1 | 127 | 156 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 265 | 44 | 63 | 46 | 39 | 9 | 12 | 7 | 2 | 7 | 36 | 158 |
| NOT REPORTED | 100 | 15 | 15 | 30 | 15 | 7 | 5 | - | 2 | - | 11 | 173 |
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 689 | 728 | 1 112 | 1 266 | 1 245 | 1 048 | 766 | 772 | 427 | 561 | 259 |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 6 033 | 234 | 282 | 593 | 823 | 1 000 | 914 | 715 | 731 | 415 | 326 | 295 |
| ROOM UNITS | 2 666 | 149 | 237 | 481 | 542 | 380 | 283 | 200 | 133 | 60 | 202 | 233 |
| 1 | 1 989 | 134 | 204 | 403 | 424 | 290 | 187 | 111 | 69 | 19 | 149 | 221 |
| 2 | 572 | 15 | 29 | 71 | 111 | 80 | 82 | 65 | 54 | 24 | 40 | 275 |
| 3 | 84 | - | 4 | 3 | 7 | 5 | 9 | 24 | 10 | 12 | 10 | 369 |
| 4 | 13 | - | - | 2 | - | 3 | 5 | - | - | 3 | - | ... |
| 5 OR MORE | 8 | - | - | 3 | - | 2 | - | - | - | - | 3 | ... |
| CENTRAL SYSTEM | 3 367 | 85 | 45 | 112 | 281 | 620 | 631 | 515 | 598 | 356 | 124 | 337 |
| WITH NO AIR CONDITIONING | 2 580 | 455 | 446 | 519 | 443 | 245 | 134 | 51 | 41 | 12 | 235 | 176 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE D-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 20 317 | 2 091 | 1 193 | 1 098 | 962 | 1 769 |
| HOUSE HEATING FUEL | | | | | | | |
| OWNER OCCUPIED | 18 491 | 16 454 | 354 | 54 | 54 | 198 | 1 376 |
| UTILITY GAS | 8 602 | 8 053 | 163 | 11 | 9 | 20 | 346 |
| BOTTLED, TANK, OR LP GAS | 1 776 | 1 315 | 5 | - | - | - | 456 |
| FUEL OIL | 1 900 | 1 724 | 33 | 2 | 5 | 6 | 130 |
| KEROSENE, ETC | 180 | 138 | 2 | - | - | - | 41 |
| ELECTRICITY | 5 240 | 4 498 | 144 | 40 | 40 | 172 | 346 |
| COAL OR COKE | 75 | 74 | - | - | - | - | 2 |
| WOOD | 649 | 587 | 8 | - | - | - | 55 |
| SOLAR HEAT | 2 | 2 | - | - | - | - | - |
| OTHER FUEL | 12 | 11 | - | - | - | - | 1 |
| NONE | 54 | 53 | - | 2 | - | - | - |
| RENTER OCCUPIED | 8 939 | 3 862 | 1 737 | 1 139 | 1 044 | 764 | 393 |
| UTILITY GAS | 4 123 | 2 043 | 933 | 443 | 377 | 200 | 127 |
| BOTTLED, TANK, OR LP GAS | 496 | 340 | 33 | 2 | - | - | 122 |
| FUEL OIL | 761 | 357 | 139 | 72 | 56 | 86 | 52 |
| KEROSENE, ETC | 63 | 52 | 2 | - | - | - | 9 |
| ELECTRICITY | 2 985 | 642 | 589 | 610 | 601 | 465 | 78 |
| COAL OR COKE | 44 | 41 | 3 | - | - | - | - |
| WOOD | 337 | 316 | 12 | - | - | 5 | 3 |
| SOLAR HEAT | - | - | - | - | - | - | - |
| OTHER FUEL | 2 | - | - | - | 2 | - | - |
| NONE | 128 | 72 | 26 | 12 | 8 | 9 | 1 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 14 626 | ... | ... | ... | ... | ... |
| ELECTRICITY PAID FOR | 14 617 | 14 617 | ... | ... | ... | ... | ... |
| LESS THAN $10 | 55 | 55 | ... | ... | ... | ... | ... |
| $10 TO $19 | 491 | 491 | ... | ... | ... | ... | ... |
| $20 TO $29 | 1 149 | 1 149 | ... | ... | ... | ... | ... |
| $30 TO $39 | 1 842 | 1 842 | ... | ... | ... | ... | ... |
| $40 TO $49 | 1 712 | 1 712 | ... | ... | ... | ... | ... |
| $50 TO $59 | 1 862 | 1 862 | ... | ... | ... | ... | ... |
| $60 TO $79 | 3 012 | 3 012 | ... | ... | ... | ... | ... |
| $80 TO $99 | 1 618 | 1 618 | ... | ... | ... | ... | ... |
| $100 TO $149 | 2 094 | 2 094 | ... | ... | ... | ... | ... |
| $150 OR MORE | 781 | 781 | ... | ... | ... | ... | ... |
| MEDIAN | 61 | 61 | ... | ... | ... | ... | ... |
| NO ELECTRICITY USED | 8 | 8 | ... | ... | ... | ... | ... |
| SPECIFIED RENTER OCCUPIED[2] | 8 613 | 3 536 | 1 737 | 1 139 | 1 044 | 764 | 393 |
| ELECTRICITY PAID FOR | 7 163 | 3 314 | 1 451 | 841 | 759 | 443 | 355 |
| LESS THAN $10 | 134 | 45 | 43 | 14 | 22 | 9 | - |
| $10 TO $19 | 833 | 374 | 208 | 100 | 91 | 33 | 27 |
| $20 TO $29 | 1 202 | 568 | 261 | 146 | 106 | 68 | 53 |
| $30 TO $39 | 1 203 | 577 | 227 | 128 | 123 | 80 | 69 |
| $40 TO $49 | 964 | 456 | 187 | 122 | 118 | 48 | 33 |
| $50 TO $59 | 801 | 330 | 149 | 111 | 102 | 70 | 39 |
| $60 TO $79 | 1 051 | 464 | 201 | 129 | 103 | 78 | 77 |
| $80 TO $99 | 406 | 188 | 89 | 46 | 37 | 25 | 21 |
| $100 TO $149 | 430 | 230 | 72 | 40 | 44 | 21 | 24 |
| $150 OR MORE | 141 | 82 | 15 | 5 | 13 | 13 | 12 |
| MEDIAN | 42 | 42 | 38 | 42 | 43 | 46 | 48 |
| INCLUDED IN RENT | 1 437 | 216 | 284 | 296 | 282 | 321 | 38 |
| NO ELECTRICITY USED | 12 | 7 | 2 | 2 | 2 | - | - |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 14 626 | ... | ... | ... | ... | ... |
| GAS PAID FOR | 9 590 | 9 590 | ... | ... | ... | ... | ... |
| LESS THAN $10 | 423 | 423 | ... | ... | ... | ... | ... |
| $10 TO $14 | 587 | 587 | ... | ... | ... | ... | ... |
| $15 TO $19 | 668 | 668 | ... | ... | ... | ... | ... |
| $20 TO $24 | 1 043 | 1 043 | ... | ... | ... | ... | ... |
| $25 TO $29 | 1 012 | 1 012 | ... | ... | ... | ... | ... |
| $30 TO $39 | 1 933 | 1 933 | ... | ... | ... | ... | ... |
| $40 TO $49 | 1 401 | 1 401 | ... | ... | ... | ... | ... |
| $50 TO $69 | 1 664 | 1 664 | ... | ... | ... | ... | ... |
| $70 TO $99 | 591 | 591 | ... | ... | ... | ... | ... |
| $100 OR MORE | 269 | 269 | ... | ... | ... | ... | ... |
| MEDIAN | 35 | 35 | ... | ... | ... | ... | ... |
| NO GAS USED | 5 035 | 5 035 | ... | ... | ... | ... | ... |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE D-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 3 536 | 1 737 | 1 139 | 1 044 | 764 | 393 |
| GAS PAID FOR | 3 739 | 2 267 | 751 | 240 | 159 | 60 | 262 |
| LESS THAN $10 | 446 | 175 | 113 | 62 | 42 | 18 | 36 |
| $10 TO $14 | 531 | 253 | 134 | 38 | 35 | 14 | 57 |
| $15 TO $19 | 459 | 257 | 113 | 34 | 22 | 11 | 23 |
| $20 TO $24 | 469 | 305 | 76 | 26 | 8 | 2 | 52 |
| $25 TO $29 | 340 | 234 | 59 | 23 | 7 | 2 | 15 |
| $30 TO $39 | 574 | 362 | 123 | 20 | 29 | 6 | 34 |
| $40 TO $49 | 367 | 267 | 55 | 21 | 3 | 7 | 14 |
| $50 TO $69 | 338 | 250 | 48 | 10 | 12 | - | 17 |
| $70 TO $99 | 155 | 120 | 23 | 4 | - | - | 6 |
| $100 OR MORE | 60 | 45 | 8 | 2 | - | - | 5 |
| MEDIAN | 24 | 27 | 21 | 17 | 15 | 13 | 21 |
| INCLUDED IN RENT | 2 044 | 408 | 410 | 394 | 423 | 346 | 63 |
| NO GAS USED | 2 830 | 861 | 577 | 505 | 461 | 358 | 68 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 14 626 | 14 626 | ... | ... | ... | ... | ... |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 909 | 2 909 | ... | ... | ... | ... | ... |
| LESS THAN $100 | 565 | 565 | ... | ... | ... | ... | ... |
| $100 TO $199 | 590 | 590 | ... | ... | ... | ... | ... |
| $200 TO $299 | 293 | 293 | ... | ... | ... | ... | ... |
| $300 TO $399 | 269 | 269 | ... | ... | ... | ... | ... |
| $400 TO $499 | 196 | 196 | ... | ... | ... | ... | ... |
| $500 TO $599 | 196 | 196 | ... | ... | ... | ... | ... |
| $600 TO $699 | 223 | 223 | ... | ... | ... | ... | ... |
| $700 TO $799 | 133 | 133 | ... | ... | ... | ... | ... |
| $800 OR MORE | 445 | 445 | ... | ... | ... | ... | ... |
| MEDIAN | 302 | 302 | ... | ... | ... | ... | ... |
| FUELS NOT USED OR FREE | 11 717 | 11 717 | ... | ... | ... | ... | ... |
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 3 536 | 1 737 | 1 139 | 1 044 | 764 | 393 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 835 | 650 | 92 | 15 | 8 | 12 | 58 |
| LESS THAN $100 | 161 | 122 | 20 | 6 | 2 | 11 | 1 |
| $100 TO $199 | 117 | 101 | 8 | 4 | 2 | - | 3 |
| $200 TO $299 | 103 | 91 | 9 | - | - | - | 3 |
| $300 TO $399 | 85 | 58 | 14 | - | 3 | - | 8 |
| $400 TO $499 | 78 | 55 | 8 | 2 | - | - | 13 |
| $500 TO $599 | 75 | 52 | 11 | 2 | 1 | - | 9 |
| $600 TO $699 | 80 | 53 | 13 | 1 | - | 2 | 11 |
| $700 TO $799 | 40 | 29 | 4 | - | - | - | 7 |
| $800 OR MORE | 96 | 89 | 5 | - | - | - | 2 |
| MEDIAN | 343 | 320 | 363 | ... | ... | ... | 503 |
| INCLUDED IN RENT | 833 | 212 | 197 | 121 | 117 | 133 | 54 |
| FUELS NOT USED OR FREE | 6 944 | 2 674 | 1 449 | 1 003 | 918 | 619 | 281 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 20 317 | 2 091 | 1 193 | 1 098 | 962 | 1 769 |
| HEATING EQUIPMENT | | | | | | | |
| OWNER OCCUPIED | 18 491 | 16 454 | 354 | 54 | 54 | 198 | 1 376 |
| WARM-AIR FURNACE | 9 650 | 8 393 | 131 | 24 | 23 | 87 | 991 |
| HEAT PUMP | 1 069 | 899 | 35 | 16 | 13 | 86 | 20 |
| STEAM OR HOT WATER | 533 | 485 | 31 | 4 | 4 | 9 | - |
| BUILT-IN ELECTRIC UNITS | 1 293 | 1 154 | 37 | 7 | 15 | 12 | 69 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 471 | 1 342 | 31 | - | - | - | 98 |
| ROOM HEATERS WITH FLUE | 1 108 | 1 040 | 33 | 2 | - | 2 | 32 |
| ROOM HEATERS WITHOUT FLUE | 1 541 | 1 463 | 36 | - | - | - | 42 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 773 | 1 626 | 20 | - | - | 2 | 125 |
| NONE | 54 | 53 | - | 2 | - | - | - |
| RENTER OCCUPIED | 8 939 | 3 862 | 1 737 | 1 139 | 1 044 | 764 | 393 |
| WARM-AIR FURNACE | 3 980 | 1 095 | 639 | 783 | 735 | 435 | 292 |
| HEAT PUMP | 310 | 68 | 55 | 35 | 45 | 103 | 4 |
| STEAM OR HOT WATER | 476 | 92 | 137 | 92 | 68 | 85 | 1 |
| BUILT-IN ELECTRIC UNITS | 715 | 207 | 197 | 87 | 113 | 91 | 20 |
| FLOOR, WALL, OR PIPELESS FURNACE | 716 | 417 | 178 | 54 | 22 | 16 | 30 |
| ROOM HEATERS WITH FLUE | 750 | 470 | 212 | 32 | 25 | 5 | 6 |
| ROOM HEATERS WITHOUT FLUE | 1 127 | 828 | 228 | 30 | 20 | 5 | 16 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 736 | 613 | 63 | 13 | 9 | 15 | 23 |
| NONE | 128 | 72 | 26 | 12 | 8 | 9 | 1 |

[1] EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2] LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE D-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 20 317 | 2 091 | 1 193 | 1 098 | 962 | 1 769 |
| UNITS OCCUPIED LAST WINTER | 23 131 | 18 322 | 1 424 | 708 | 648 | 679 | 1 350 |
| INSUFFICIENT HEAT | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | |
| OWNER OCCUPIED | 17 449 | 15 666 | 321 | 50 | 47 | 186 | 1 179 |
| WITH HEATING EQUIPMENT | 17 408 | 15 627 | 321 | 48 | 47 | 186 | 1 179 |
| NO ROOMS CLOSED | 16 369 | 14 680 | 298 | 47 | 47 | 179 | 1 119 |
| CLOSED CERTAIN ROOMS | 893 | 825 | 21 | 1 | - | - | 46 |
| LIVING ROOM ONLY | 26 | 23 | 2 | - | - | - | 2 |
| DINING ROOM ONLY | 7 | 7 | - | - | - | - | - |
| 1 OR MORE BEDROOMS ONLY | 615 | 560 | 16 | 1 | - | - | 39 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 236 | 227 | 4 | - | - | - | 5 |
| NOT REPORTED | 8 | 8 | - | - | - | - | - |
| NOT REPORTED | 145 | 122 | 2 | - | - | 6 | 15 |
| NO HEATING EQUIPMENT | 41 | 39 | - | 2 | - | - | - |
| RENTER OCCUPIED | 5 682 | 2 656 | 1 103 | 659 | 601 | 493 | 171 |
| WITH HEATING EQUIPMENT | 5 617 | 2 620 | 1 094 | 650 | 596 | 488 | 170 |
| NO ROOMS CLOSED | 5 015 | 2 202 | 1 004 | 613 | 569 | 477 | 149 |
| CLOSED CERTAIN ROOMS | 513 | 371 | 75 | 26 | 16 | 9 | 16 |
| LIVING ROOM ONLY | 23 | 17 | 4 | - | 2 | - | - |
| DINING ROOM ONLY | 4 | 2 | - | - | 2 | - | - |
| 1 OR MORE BEDROOMS ONLY | 311 | 218 | 48 | 18 | 9 | 4 | 15 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 166 | 131 | 20 | 8 | 2 | 5 | - |
| NOT REPORTED | 10 | 3 | 3 | - | 2 | - | 1 |
| NOT REPORTED | 89 | 47 | 14 | 10 | 11 | 2 | 5 |
| NO HEATING EQUIPMENT | 65 | 35 | 9 | 9 | 5 | 5 | 1 |
| ADDITIONAL HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 17 449 | 15 666 | 321 | 50 | 47 | 186 | 1 179 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 12 646 | 269 | 48 | 47 | 184 | 1 023 |
| NO ADDITIONAL HEAT SOURCE USED | 12 780 | 11 344 | 228 | 42 | 41 | 173 | 951 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 1 120 | 1 027 | 24 | 4 | 5 | 5 | 53 |
| NOT REPORTED | 317 | 275 | 17 | 2 | - | 5 | 18 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 3 020 | 52 | 2 | - | 2 | 156 |
| RENTER OCCUPIED | 5 682 | 2 656 | 1 103 | 659 | 601 | 493 | 171 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 1 538 | 893 | 624 | 583 | 470 | 152 |
| NO ADDITIONAL HEAT SOURCE USED | 3 588 | 1 222 | 735 | 556 | 521 | 421 | 132 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 519 | 257 | 121 | 45 | 49 | 34 | 13 |
| NOT REPORTED | 153 | 59 | 36 | 23 | 13 | 15 | 6 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 1 118 | 210 | 35 | 17 | 23 | 19 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 17 449 | 15 666 | 321 | 50 | 47 | 186 | 1 179 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 12 646 | 269 | 48 | 47 | 184 | 1 023 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 10 950 | 9 537 | 195 | 42 | 40 | 172 | 965 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 910 | 2 794 | 61 | 5 | 7 | 9 | 34 |
| 1 ROOM | 666 | 629 | 11 | 2 | 4 | 3 | 17 |
| 2 ROOMS | 600 | 580 | 11 | - | - | 5 | 4 |
| 3 ROOMS OR MORE | 1 644 | 1 585 | 39 | 3 | 4 | - | 14 |
| NOT REPORTED | 356 | 314 | 13 | 2 | - | 3 | 23 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 3 020 | 52 | 2 | - | 2 | 156 |
| RENTER OCCUPIED | 5 682 | 2 656 | 1 103 | 659 | 601 | 493 | 171 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 1 538 | 893 | 624 | 583 | 470 | 152 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 081 | 845 | 615 | 531 | 527 | 421 | 143 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 027 | 637 | 237 | 70 | 42 | 38 | 4 |
| 1 ROOM | 244 | 114 | 78 | 20 | 16 | 15 | - |
| 2 ROOMS | 273 | 145 | 71 | 29 | 14 | 10 | 4 |
| 3 ROOMS OR MORE | 511 | 379 | 88 | 20 | 12 | 12 | - |
| NOT REPORTED | 151 | 55 | 41 | 24 | 15 | 12 | 5 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 1 118 | 210 | 35 | 17 | 23 | 19 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE D-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | |
| OWNER OCCUPIED | 17 449 | 15 666 | 321 | 50 | 47 | 186 | 1 179 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 12 646 | 269 | 48 | 47 | 184 | 1 023 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 3 020 | 52 | 2 | - | 2 | 156 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 2 648 | 2 489 | 44 | - | - | 2 | 113 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 297 | 270 | 5 | 2 | - | - | 21 |
| NOT REPORTED | 288 | 261 | 4 | - | - | - | 23 |
| RENTER OCCUPIED | 5 682 | 2 656 | 1 103 | 659 | 601 | 493 | 171 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 1 538 | 893 | 624 | 583 | 470 | 152 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 1 118 | 210 | 35 | 17 | 23 | 19 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 019 | 817 | 145 | 19 | 14 | 14 | 11 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 288 | 218 | 49 | 9 | - | 7 | 5 |
| NOT REPORTED | 116 | 83 | 17 | 7 | 3 | 2 | 4 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 20 317 | 2 091 | 1 193 | 1 098 | 962 | 1 769 |
| AIR CONDITIONING | | | | | | | |
| OWNER OCCUPIED | 18 491 | 16 454 | 354 | 54 | 54 | 198 | 1 376 |
| WITH AIR CONDITIONING | 14 796 | 13 139 | 289 | 54 | 54 | 198 | 1 061 |
| ROOM UNITS | 6 459 | 5 731 | 144 | 8 | 18 | 15 | 543 |
| 1 | 3 733 | 3 198 | 72 | 5 | 7 | 4 | 447 |
| 2 | 1 940 | 1 781 | 47 | - | 11 | 8 | 94 |
| 3 | 559 | 532 | 16 | 4 | - | 4 | 3 |
| 4 | 162 | 155 | 7 | - | - | - | - |
| 5 OR MORE | 66 | 64 | 2 | - | - | - | - |
| CENTRAL SYSTEM | 8 337 | 7 409 | 145 | 46 | 36 | 183 | 518 |
| WITH NO AIR CONDITIONING | 3 695 | 3 315 | 65 | - | - | - | 315 |
| RENTER OCCUPIED | 8 939 | 3 862 | 1 737 | 1 139 | 1 044 | 764 | 393 |
| WITH AIR CONDITIONING | 6 156 | 2 151 | 1 137 | 931 | 941 | 721 | 275 |
| ROOM UNITS | 2 769 | 1 435 | 621 | 210 | 166 | 153 | 184 |
| 1 | 2 061 | 1 005 | 490 | 156 | 137 | 126 | 146 |
| 2 | 595 | 348 | 116 | 50 | 22 | 24 | 36 |
| 3 | 88 | 65 | 11 | - | 7 | 3 | 2 |
| 4 | 15 | 12 | 2 | - | - | - | 1 |
| 5 OR MORE | 8 | 5 | 2 | 2 | - | - | - |
| CENTRAL SYSTEM | 3 388 | 716 | 516 | 721 | 775 | 569 | 91 |
| WITH NO AIR CONDITIONING | 2 783 | 1 711 | 600 | 208 | 103 | 43 | 118 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE D-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 27 430 | 216 | 572 | 2 500 | 5 404 | 7 325 | 5 871 | 5 542 | 5.2 |
| HOUSE HEATING FUEL | | | | | | | | | |
| OWNER OCCUPIED | 18 491 | 31 | 121 | 519 | 2 453 | 5 395 | 4 895 | 5 077 | 5.6 |
| UTILITY GAS | 8 602 | 14 | 46 | 170 | 996 | 2 419 | 2 418 | 2 539 | 5.8 |
| BOTTLED, TANK, OR LP GAS | 1 776 | 5 | 24 | 105 | 403 | 601 | 400 | 238 | 5.1 |
| FUEL OIL | 1 900 | 1 | 12 | 41 | 216 | 513 | 486 | 630 | 5.8 |
| KEROSENE, ETC | 180 | - | - | 10 | 56 | 62 | 39 | 13 | 4.9 |
| ELECTRICITY | 5 240 | 8 | 24 | 153 | 615 | 1 584 | 1 363 | 1 493 | 5.7 |
| COAL OR COKE | 75 | - | 2 | 6 | 19 | 14 | 22 | 12 | 5.3 |
| WOOD | 649 | 2 | 11 | 33 | 130 | 184 | 149 | 140 | 5.3 |
| SOLAR HEAT | 2 | - | - | - | - | - | - | 2 | ... |
| OTHER FUEL | 12 | - | - | - | 5 | 3 | 2 | 2 | ... |
| NONE | 54 | - | 2 | 2 | 11 | 15 | 15 | 9 | 5.3 |
| RENTER OCCUPIED | 8 939 | 185 | 451 | 1 981 | 2 951 | 1 930 | 976 | 465 | 4.1 |
| UTILITY GAS | 4 123 | 64 | 179 | 854 | 1 330 | 980 | 503 | 214 | 4.2 |
| BOTTLED, TANK, OR LP GAS | 496 | 7 | 18 | 57 | 164 | 141 | 76 | 33 | 4.5 |
| FUEL OIL | 761 | 27 | 40 | 162 | 204 | 152 | 109 | 68 | 4.2 |
| KEROSENE, ETC | 63 | - | - | 8 | 19 | 22 | 8 | 5 | 4.7 |
| ELECTRICITY | 2 985 | 58 | 187 | 812 | 1 070 | 531 | 224 | 103 | 3.9 |
| COAL OR COKE | 44 | - | - | 4 | 15 | 14 | 5 | 6 | 4.7 |
| WOOD | 337 | 8 | 13 | 47 | 108 | 77 | 47 | 36 | 4.4 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 2 | - | - | 2 | - | - | - | - | ... |
| NONE | 128 | 21 | 15 | 34 | 40 | 14 | 3 | - | 3.3 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 16 | 77 | 182 | 1 364 | 4 285 | 4 200 | 4 501 | 5.8 |
| ELECTRICITY PAID FOR | 14 617 | 16 | 77 | 177 | 1 362 | 4 285 | 4 200 | 4 499 | 5.8 |
| LESS THAN $10 | 55 | 2 | - | 9 | 18 | 11 | 3 | 13 | 4.4 |
| $10 TO $19 | 491 | - | 9 | 41 | 129 | 167 | 87 | 58 | 4.9 |
| $20 TO $29 | 1 149 | - | 11 | 22 | 190 | 425 | 337 | 165 | 5.3 |
| $30 TO $39 | 1 842 | 2 | 12 | 34 | 262 | 614 | 528 | 388 | 5.5 |
| $40 TO $49 | 1 712 | - | 9 | 12 | 204 | 545 | 489 | 453 | 5.7 |
| $50 TO $59 | 1 862 | 2 | 7 | 21 | 151 | 622 | 536 | 522 | 5.7 |
| $60 TO $79 | 3 012 | 5 | 13 | 20 | 229 | 893 | 961 | 891 | 5.9 |
| $80 TO $99 | 1 618 | 1 | 8 | 3 | 101 | 407 | 488 | 610 | 6.1 |
| $100 TO $149 | 2 094 | - | 7 | 12 | 63 | 469 | 604 | 938 | 6.3 |
| $150 OR MORE | 781 | 5 | - | 4 | 15 | 132 | 166 | 460 | 6.5+ |
| MEDIAN | 61 | ... | 47 | 34 | 44 | 56 | 62 | 74 | ... |
| NO ELECTRICITY USED | 8 | - | - | 5 | 2 | - | - | 2 | ... |
| SPECIFIED RENTER OCCUPIED[2] | 8 613 | 183 | 448 | 1 958 | 2 870 | 1 834 | 917 | 403 | 4.1 |
| ELECTRICITY PAID FOR | 7 163 | 64 | 299 | 1 512 | 2 460 | 1 652 | 808 | 368 | 4.2 |
| LESS THAN $10 | 134 | 9 | 13 | 48 | 38 | 18 | 7 | 2 | 3.4 |
| $10 TO $19 | 833 | 19 | 64 | 263 | 275 | 140 | 56 | 16 | 3.8 |
| $20 TO $29 | 1 202 | 9 | 64 | 365 | 373 | 247 | 100 | 44 | 3.9 |
| $30 TO $39 | 1 203 | 10 | 53 | 236 | 435 | 297 | 122 | 50 | 4.2 |
| $40 TO $49 | 964 | 5 | 26 | 191 | 347 | 231 | 112 | 52 | 4.2 |
| $50 TO $59 | 801 | 5 | 31 | 151 | 333 | 179 | 74 | 27 | 4.1 |
| $60 TO $79 | 1 051 | 4 | 40 | 182 | 346 | 257 | 157 | 65 | 4.4 |
| $80 TO $99 | 406 | - | 3 | 38 | 141 | 131 | 52 | 40 | 4.6 |
| $100 TO $149 | 430 | 2 | 5 | 32 | 135 | 113 | 100 | 43 | 4.8 |
| $150 OR MORE | 141 | - | 2 | 5 | 38 | 38 | 30 | 29 | 5.2 |
| MEDIAN | 42 | 24 | 32 | 33 | 43 | 45 | 51 | 57 | ... |
| INCLUDED IN RENT | 1 437 | 118 | 145 | 444 | 406 | 180 | 109 | 35 | 3.5 |
| NO ELECTRICITY USED | 12 | 1 | 3 | 2 | 4 | 2 | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 16 | 77 | 182 | 1 364 | 4 285 | 4 200 | 4 501 | 5.8 |
| GAS PAID FOR | 9 590 | 9 | 50 | 135 | 979 | 2 756 | 2 798 | 2 864 | 5.8 |
| LESS THAN $10 | 423 | - | 7 | 13 | 65 | 145 | 97 | 97 | 5.4 |
| $10 TO $14 | 587 | - | 2 | 25 | 102 | 192 | 146 | 120 | 5.3 |
| $15 TO $19 | 668 | - | 5 | 12 | 98 | 228 | 182 | 142 | 5.4 |
| $20 TO $24 | 1 043 | 1 | 8 | 19 | 132 | 361 | 278 | 243 | 5.5 |
| $25 TO $29 | 1 012 | - | 6 | 20 | 98 | 330 | 309 | 250 | 5.7 |
| $30 TO $39 | 1 933 | 4 | 14 | 18 | 221 | 576 | 616 | 486 | 5.7 |
| $40 TO $49 | 1 401 | - | 4 | 13 | 102 | 360 | 442 | 481 | 6.0 |
| $50 TO $69 | 1 664 | 2 | 1 | 11 | 113 | 410 | 489 | 638 | 6.1 |
| $70 TO $99 | 591 | - | 4 | 4 | 39 | 103 | 168 | 274 | 6.4 |
| $100 OR MORE | 269 | 2 | - | 2 | 9 | 51 | 72 | 133 | 6.5 |
| MEDIAN | 35 | ... | 27 | 24 | 29 | 32 | 36 | 42 | ... |
| NO GAS USED | 5 035 | 8 | 27 | 47 | 385 | 1 529 | 1 402 | 1 637 | 5.9 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE D-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 183 | 448 | 1 958 | 2 870 | 1 834 | 917 | 403 | 4.1 |
| GAS PAID FOR | 3 739 | 22 | 111 | 685 | 1 223 | 938 | 546 | 214 | 4.3 |
| LESS THAN $10 | 446 | 9 | 34 | 135 | 129 | 90 | 38 | 11 | 3.8 |
| $10 TO $14 | 531 | 3 | 28 | 125 | 175 | 127 | 56 | 17 | 4.1 |
| $15 TO $19 | 459 | 3 | 18 | 105 | 169 | 96 | 56 | 12 | 4.1 |
| $20 TO $24 | 469 | 2 | 8 | 70 | 182 | 110 | 75 | 22 | 4.3 |
| $25 TO $29 | 340 | - | 5 | 60 | 131 | 86 | 39 | 18 | 4.3 |
| $30 TO $39 | 574 | - | 6 | 77 | 198 | 153 | 103 | 37 | 4.5 |
| $40 TO $49 | 367 | 3 | 1 | 49 | 96 | 118 | 70 | 28 | 4.8 |
| $50 TO $69 | 338 | 1 | 11 | 37 | 92 | 88 | 62 | 47 | 4.8 |
| $70 TO $99 | 155 | - | - | 19 | 29 | 57 | 35 | 15 | 5.0 |
| $100 OR MORE | 60 | - | - | 8 | 19 | 14 | 12 | 6 | 4.7 |
| MEDIAN | 24 | ... | 13 | 18 | 23 | 27 | 31 | 36 | ... |
| INCLUDED IN RENT | 2 044 | 99 | 178 | 556 | 635 | 371 | 138 | 67 | 3.8 |
| NO GAS USED | 2 830 | 63 | 159 | 717 | 1 012 | 525 | 233 | 122 | 4.0 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 14 626 | 16 | 77 | 182 | 1 364 | 4 285 | 4 200 | 4 501 | 5.8 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 909 | - | 25 | 26 | 230 | 726 | 812 | 1 088 | 6.0 |
| LESS THAN $100 | 565 | - | 3 | 5 | 38 | 125 | 159 | 234 | 6.2 |
| $100 TO $199 | 590 | - | 5 | 10 | 48 | 148 | 142 | 237 | 6.1 |
| $200 TO $299 | 293 | - | 5 | 2 | 26 | 76 | 89 | 94 | 5.9 |
| $300 TO $399 | 269 | - | - | 2 | 30 | 85 | 81 | 72 | 5.7 |
| $400 TO $499 | 196 | - | 2 | 2 | 20 | 60 | 66 | 46 | 5.7 |
| $500 TO $599 | 196 | - | 7 | 2 | 24 | 67 | 51 | 45 | 5.5 |
| $600 TO $699 | 223 | - | - | - | 22 | 67 | 71 | 63 | 5.8 |
| $700 TO $799 | 133 | - | 2 | 4 | 2 | 27 | 42 | 56 | 6.3 |
| $800 OR MORE | 445 | - | 2 | - | 20 | 72 | 111 | 240 | 6.5+ |
| MEDIAN | 302 | - | ... | ... | 307 | 317 | 319 | 277 | ... |
| FUELS NOT USED OR FREE | 11 717 | 16 | 52 | 156 | 1 134 | 3 558 | 3 387 | 3 413 | 5.8 |
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 183 | 448 | 1 958 | 2 870 | 1 834 | 917 | 403 | 4.1 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 835 | 8 | 18 | 116 | 235 | 210 | 150 | 99 | 4.7 |
| LESS THAN $100 | 161 | 2 | 4 | 24 | 42 | 38 | 32 | 20 | 4.7 |
| $100 TO $199 | 117 | 3 | 6 | 20 | 27 | 29 | 20 | 12 | 4.6 |
| $200 TO $299 | 103 | 1 | - | 20 | 33 | 29 | 10 | 10 | 4.4 |
| $300 TO $399 | 85 | 2 | 2 | 15 | 31 | 19 | 14 | 2 | 4.3 |
| $400 TO $499 | 78 | - | 2 | 9 | 28 | 20 | 13 | 7 | 4.5 |
| $500 TO $599 | 75 | - | 2 | 11 | 14 | 26 | 14 | 8 | 4.9 |
| $600 TO $699 | 80 | - | 2 | 9 | 22 | 21 | 13 | 14 | 4.9 |
| $700 TO $799 | 40 | - | 2 | 2 | 13 | 9 | 7 | 7 | 4.8 |
| $800 OR MORE | 96 | - | - | 6 | 25 | 20 | 26 | 20 | 5.4 |
| MEDIAN | 343 | ... | ... | 270 | 349 | 348 | 390 | 490 | ... |
| INCLUDED IN RENT | 833 | 28 | 53 | 242 | 241 | 152 | 75 | 42 | 3.9 |
| FUELS NOT USED OR FREE | 6 944 | 147 | 378 | 1 599 | 2 394 | 1 472 | 692 | 262 | 4.1 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 216 | 572 | 2 500 | 5 404 | 7 325 | 5 871 | 5 542 | 5.2 |
| HEATING EQUIPMENT | | | | | | | | | |
| OWNER OCCUPIED | 18 491 | 31 | 121 | 519 | 2 453 | 5 395 | 4 895 | 5 077 | 5.6 |
| WARM-AIR FURNACE | 9 650 | 8 | 53 | 188 | 1 001 | 2 601 | 2 603 | 3 196 | 5.9 |
| HEAT PUMP | 1 069 | 1 | 10 | 37 | 135 | 218 | 268 | 400 | 6.0 |
| STEAM OR HOT WATER | 533 | 2 | - | 5 | 37 | 82 | 161 | 245 | 6.4 |
| BUILT-IN ELECTRIC UNITS | 1 293 | 5 | 5 | 40 | 143 | 508 | 339 | 252 | 5.4 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 471 | 4 | 7 | 39 | 278 | 544 | 402 | 197 | 5.2 |
| ROOM HEATERS WITH FLUE | 1 108 | 3 | 7 | 49 | 227 | 372 | 275 | 174 | 5.2 |
| ROOM HEATERS WITHOUT FLUE | 1 541 | 3 | 13 | 88 | 319 | 521 | 385 | 211 | 5.2 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 773 | 4 | 23 | 70 | 301 | 532 | 448 | 394 | 5.4 |
| NONE | 54 | - | 2 | 2 | 11 | 15 | 15 | 9 | 5.3 |
| RENTER OCCUPIED | 8 939 | 185 | 451 | 1 981 | 2 951 | 1 930 | 976 | 465 | 4.1 |
| WARM-AIR FURNACE | 3 980 | 44 | 151 | 851 | 1 377 | 876 | 445 | 236 | 4.2 |
| HEAT PUMP | 310 | - | 13 | 96 | 120 | 41 | 29 | 12 | 3.9 |
| STEAM OR HOT WATER | 476 | 25 | 40 | 147 | 122 | 75 | 32 | 35 | 3.7 |
| BUILT-IN ELECTRIC UNITS | 715 | 28 | 76 | 205 | 219 | 113 | 46 | 27 | 3.7 |
| FLOOR, WALL, OR PIPELESS FURNACE | 716 | 10 | 34 | 133 | 248 | 197 | 82 | 12 | 4.2 |
| ROOM HEATERS WITH FLUE | 750 | 3 | 35 | 127 | 267 | 181 | 99 | 39 | 4.3 |
| ROOM HEATERS WITHOUT FLUE | 1 127 | 24 | 48 | 259 | 339 | 265 | 144 | 48 | 4.2 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 736 | 30 | 40 | 127 | 219 | 169 | 96 | 55 | 4.3 |
| NONE | 128 | 21 | 15 | 34 | 40 | 14 | 3 | - | 3.3 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE D-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 27 430 | 216 | 572 | 2 500 | 5 404 | 7 325 | 5 871 | 5 542 | 5.2 |
| UNITS OCCUPIED LAST WINTER | 23 131 | 128 | 344 | 1 719 | 4 095 | 6 380 | 5 305 | 5 159 | 5.3 |
| INSUFFICIENT HEAT | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | |
| OWNER OCCUPIED | 17 449 | 19 | 104 | 460 | 2 257 | 5 124 | 4 647 | 4 838 | 5.7 |
| WITH HEATING EQUIPMENT | 17 408 | 19 | 102 | 459 | 2 251 | 5 113 | 4 635 | 4 829 | 5.7 |
| NO ROOMS CLOSED | 16 369 | 19 | 95 | 438 | 2 074 | 4 795 | 4 373 | 4 576 | 5.7 |
| CLOSED CERTAIN ROOMS | 893 | - | 3 | 19 | 149 | 270 | 228 | 223 | 5.5 |
| LIVING ROOM ONLY | 26 | - | - | - | 2 | 7 | 5 | 12 | ... |
| DINING ROOM ONLY | 7 | - | - | - | - | 2 | 2 | 4 | ... |
| 1 OR MORE BEDROOMS ONLY | 615 | - | 3 | 14 | 117 | 202 | 157 | 122 | 5.3 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 236 | - | - | 4 | 27 | 60 | 64 | 82 | 5.9 |
| NOT REPORTED | 8 | - | - | 2 | 4 | - | - | 3 | ... |
| NOT REPORTED | 145 | - | 4 | 2 | 28 | 47 | 34 | 30 | 5.3 |
| NO HEATING EQUIPMENT | 41 | - | 2 | 2 | 6 | 11 | 11 | 9 | 5.5 |
| RENTER OCCUPIED | 5 682 | 109 | 240 | 1 258 | 1 838 | 1 257 | 659 | 321 | 4.2 |
| WITH HEATING EQUIPMENT | 5 617 | 102 | 235 | 1 235 | 1 819 | 1 250 | 655 | 321 | 4.2 |
| NO ROOMS CLOSED | 5 015 | 102 | 226 | 1 146 | 1 626 | 1 088 | 577 | 251 | 4.1 |
| CLOSED CERTAIN ROOMS | 513 | - | 5 | 70 | 170 | 139 | 69 | 60 | 4.6 |
| LIVING ROOM ONLY | 23 | - | - | 11 | 10 | - | - | 2 | ... |
| DINING ROOM ONLY | 4 | - | - | - | - | 2 | - | 2 | ... |
| 1 OR MORE BEDROOMS ONLY | 311 | - | - | 32 | 115 | 85 | 51 | 29 | 4.6 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 166 | - | 5 | 24 | 43 | 51 | 17 | 25 | 4.7 |
| NOT REPORTED | 10 | - | - | 3 | 2 | 2 | 2 | 2 | ... |
| NOT REPORTED | 89 | - | 3 | 20 | 23 | 23 | 9 | 10 | 4.4 |
| NO HEATING EQUIPMENT | 65 | 7 | 5 | 23 | 19 | 7 | 3 | - | 3.4 |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | |
| OWNER OCCUPIED | 17 449 | 19 | 104 | 460 | 2 257 | 5 124 | 4 647 | 4 838 | 5.7 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 15 | 69 | 314 | 1 656 | 4 085 | 3 832 | 4 246 | 5.8 |
| NO ADDITIONAL HEAT SOURCE USED | 12 780 | 15 | 58 | 269 | 1 467 | 3 670 | 3 463 | 3 837 | 5.8 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 1 120 | - | 8 | 33 | 145 | 311 | 295 | 328 | 5.7 |
| NOT REPORTED | 317 | - | 2 | 12 | 44 | 104 | 74 | 81 | 5.5 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 5 | 35 | 146 | 601 | 1 038 | 815 | 593 | 5.3 |
| RENTER OCCUPIED | 5 682 | 109 | 240 | 1 258 | 1 838 | 1 257 | 659 | 321 | 4.2 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 64 | 191 | 940 | 1 424 | 919 | 476 | 246 | 4.1 |
| NO ADDITIONAL HEAT SOURCE USED | 3 588 | 58 | 169 | 785 | 1 223 | 797 | 377 | 178 | 4.1 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 519 | 2 | 18 | 114 | 160 | 93 | 76 | 56 | 4.3 |
| NOT REPORTED | 153 | 4 | 3 | 40 | 42 | 29 | 22 | 13 | 4.2 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 45 | 49 | 319 | 414 | 338 | 183 | 75 | 4.2 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | |
| OWNER OCCUPIED | 17 449 | 19 | 104 | 460 | 2 257 | 5 124 | 4 647 | 4 838 | 5.7 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 15 | 69 | 314 | 1 656 | 4 085 | 3 832 | 4 246 | 5.8 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 10 950 | 13 | 56 | 247 | 1 151 | 3 068 | 2 917 | 3 499 | 5.8 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 910 | 2 | 11 | 53 | 451 | 911 | 836 | 646 | 5.5 |
| 1 ROOM | 666 | 2 | 4 | 24 | 64 | 145 | 196 | 230 | 6.0 |
| 2 ROOMS | 600 | - | 7 | 16 | 171 | 157 | 133 | 114 | 5.2 |
| 3 ROOMS OR MORE | 1 644 | - | - | 12 | 216 | 608 | 506 | 302 | 5.5 |
| NOT REPORTED | 356 | - | 2 | 14 | 54 | 107 | 79 | 100 | 5.5 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 5 | 35 | 146 | 601 | 1 038 | 815 | 593 | 5.3 |
| RENTER OCCUPIED | 5 682 | 109 | 240 | 1 258 | 1 838 | 1 257 | 659 | 321 | 4.2 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 64 | 191 | 940 | 1 424 | 919 | 476 | 246 | 4.1 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 081 | 60 | 145 | 722 | 1 037 | 620 | 329 | 169 | 4.1 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 027 | - | 43 | 175 | 349 | 264 | 126 | 70 | 4.3 |
| 1 ROOM | 244 | - | 26 | 75 | 66 | 36 | 22 | 18 | 3.8 |
| 2 ROOMS | 273 | - | 17 | 49 | 136 | 46 | 13 | 11 | 4.0 |
| 3 ROOMS OR MORE | 511 | - | - | 50 | 147 | 181 | 91 | 42 | 4.8 |
| NOT REPORTED | 151 | 4 | 3 | 43 | 38 | 35 | 21 | 7 | 4.2 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 45 | 49 | 319 | 414 | 338 | 183 | 75 | 4.2 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE D-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | |
| OWNER OCCUPIED | 17 449 | 19 | 104 | 460 | 2 257 | 5 124 | 4 647 | 4 838 | 5.7 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 15 | 69 | 314 | 1 656 | 4 085 | 3 832 | 4 246 | 5.8 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 5 | 35 | 146 | 601 | 1 038 | 815 | 593 | 5.3 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 2 648 | 5 | 19 | 110 | 493 | 848 | 685 | 489 | 5.3 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 297 | - | 15 | 29 | 57 | 87 | 68 | 42 | 5.0 |
| NOT REPORTED | 288 | - | 2 | 7 | 52 | 104 | 62 | 61 | 5.3 |
| RENTER OCCUPIED | 5 682 | 109 | 240 | 1 256 | 1 838 | 1 257 | 659 | 321 | 4.2 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 64 | 191 | 940 | 1 424 | 919 | 476 | 246 | 4.1 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 45 | 49 | 319 | 414 | 338 | 183 | 75 | 4.2 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 019 | 40 | 31 | 242 | 282 | 246 | 127 | 50 | 4.2 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 288 | 5 | 7 | 56 | 102 | 69 | 32 | 17 | 4.2 |
| NOT REPORTED | 116 | - | 10 | 21 | 30 | 23 | 24 | 8 | 4.4 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 216 | 572 | 2 500 | 5 404 | 7 325 | 5 871 | 5 542 | 5.2 |
| AIR CONDITIONING | | | | | | | | | |
| OWNER OCCUPIED | 18 491 | 31 | 121 | 519 | 2 453 | 5 395 | 4 895 | 5 077 | 5.6 |
| WITH AIR CONDITIONING | 14 796 | 27 | 87 | 352 | 1 738 | 4 168 | 4 013 | 4 413 | 5.8 |
| ROOM UNITS | 6 459 | 12 | 52 | 217 | 1 019 | 2 214 | 1 764 | 1 181 | 5.4 |
| 1 | 3 733 | 9 | 43 | 163 | 723 | 1 351 | 953 | 490 | 5.2 |
| 2 | 1 940 | 2 | 4 | 47 | 241 | 664 | 585 | 399 | 5.5 |
| 3 | 559 | 1 | 6 | 3 | 52 | 162 | 165 | 169 | 5.8 |
| 4 | 162 | - | - | 3 | 3 | 30 | 48 | 78 | 6.4 |
| 5 OR MORE | 66 | - | - | - | - | 7 | 13 | 46 | 6.5+ |
| CENTRAL SYSTEM | 8 337 | 15 | 34 | 135 | 718 | 1 954 | 2 249 | 3 231 | 6.1 |
| WITH NO AIR CONDITIONING | 3 695 | 4 | 34 | 168 | 716 | 1 227 | 882 | 664 | 5.3 |
| RENTER OCCUPIED | 8 939 | 185 | 451 | 1 981 | 2 951 | 1 930 | 976 | 465 | 4.1 |
| WITH AIR CONDITIONING | 6 156 | 116 | 327 | 1 372 | 2 087 | 1 284 | 658 | 313 | 4.1 |
| ROOM UNITS | 2 769 | 69 | 176 | 556 | 861 | 631 | 340 | 135 | 4.2 |
| 1 | 2 061 | 69 | 165 | 465 | 633 | 443 | 202 | 85 | 4.0 |
| 2 | 595 | - | 11 | 86 | 204 | 159 | 101 | 34 | 4.5 |
| 3 | 88 | - | - | 5 | 19 | 26 | 29 | 10 | 5.3 |
| 4 | 15 | - | - | - | 4 | 3 | 5 | 3 | ... |
| 5 OR MORE | 8 | - | - | - | 2 | - | 3 | 3 | ... |
| CENTRAL SYSTEM | 3 388 | 47 | 152 | 816 | 1 225 | 653 | 317 | 178 | 4.0 |
| WITH NO AIR CONDITIONING | 2 783 | 69 | 124 | 609 | 864 | 646 | 318 | 151 | 4.2 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE D-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | | MARCH 1970 OR EARLIER | | | | |
| | TOTAL | APRIL 1970 OR LATER | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 8 428 | 19 002 | 6 305 | 4 826 | 2 789 | 5 082 |
| HOUSE HEATING FUEL | | | | | | | |
| OWNER OCCUPIED | 18 491 | 5 852 | 12 640 | 4 394 | 3 521 | 1 802 | 2 923 |
| UTILITY GAS | 8 602 | 1 654 | 6 948 | 2 202 | 2 051 | 1 022 | 1 673 |
| BOTTLED, TANK, OR LP GAS | 1 776 | 563 | 1 214 | 364 | 300 | 197 | 353 |
| FUEL OIL | 1 900 | 235 | 1 665 | 486 | 441 | 265 | 473 |
| KEROSENE, ETC | 180 | 37 | 144 | 44 | 38 | 32 | 30 |
| ELECTRICITY | 5 240 | 3 137 | 2 103 | 1 159 | 564 | 187 | 192 |
| COAL OR COKE | 75 | 9 | 67 | 7 | 14 | 16 | 29 |
| WOOD | 649 | 209 | 440 | 119 | 79 | 76 | 167 |
| SOLAR HEAT | 2 | 2 | - | - | - | - | - |
| OTHER FUEL | 12 | 2 | 10 | 3 | 4 | 2 | 2 |
| NONE | 54 | 4 | 50 | 11 | 30 | 5 | 4 |
| RENTER OCCUPIED | 8 939 | 2 577 | 6 362 | 1 911 | 1 305 | 987 | 2 159 |
| UTILITY GAS | 4 123 | 647 | 3 477 | 847 | 795 | 621 | 1 214 |
| BOTTLED, TANK, OR LP GAS | 496 | 65 | 431 | 114 | 77 | 55 | 185 |
| FUEL OIL | 761 | 43 | 719 | 143 | 148 | 128 | 300 |
| KEROSENE, ETC | 63 | 3 | 60 | 8 | 7 | 7 | 37 |
| ELECTRICITY | 2 985 | 1 797 | 1 188 | 736 | 183 | 101 | 169 |
| COAL OR COKE | 44 | - | 44 | 2 | 3 | 3 | 37 |
| WOOD | 337 | 19 | 318 | 38 | 58 | 47 | 174 |
| SOLAR HEAT | - | - | - | - | - | - | - |
| OTHER FUEL | 2 | - | 2 | - | - | - | 2 |
| NONE | 128 | 4 | 124 | 24 | 34 | 25 | 42 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 4 107 | 10 519 | 3 580 | 3 192 | 1 522 | 2 225 |
| ELECTRICITY PAID FOR | 14 617 | 4 105 | 10 512 | 3 578 | 3 190 | 1 522 | 2 222 |
| LESS THAN $10 | 55 | 11 | 45 | 2 | 7 | 11 | 23 |
| $10 TO $19 | 491 | 28 | 463 | 68 | 89 | 98 | 208 |
| $20 TO $29 | 1 149 | 89 | 1 060 | 188 | 254 | 231 | 387 |
| $30 TO $39 | 1 842 | 267 | 1 575 | 409 | 486 | 276 | 403 |
| $40 TO $49 | 1 712 | 284 | 1 428 | 450 | 421 | 251 | 307 |
| $50 TO $59 | 1 862 | 442 | 1 420 | 477 | 484 | 196 | 263 |
| $60 TO $79 | 3 012 | 1 001 | 2 011 | 778 | 686 | 216 | 332 |
| $80 TO $99 | 1 618 | 672 | 947 | 412 | 297 | 113 | 125 |
| $100 TO $149 | 2 094 | 928 | 1 165 | 584 | 355 | 103 | 122 |
| $150 OR MORE | 781 | 383 | 398 | 209 | 110 | 27 | 51 |
| MEDIAN | 61 | 78 | 54 | 65 | 56 | 45 | 43 |
| NO ELECTRICITY USED | 8 | 2 | 7 | 2 | 2 | - | 3 |
| SPECIFIED RENTER OCCUPIED[2] | 8 613 | 2 563 | 6 050 | 1 871 | 1 246 | 946 | 1 987 |
| ELECTRICITY PAID FOR | 7 163 | 2 178 | 4 985 | 1 413 | 1 035 | 796 | 1 741 |
| LESS THAN $10 | 134 | 21 | 113 | 21 | 25 | 9 | 57 |
| $10 TO $19 | 833 | 127 | 706 | 128 | 102 | 147 | 329 |
| $20 TO $29 | 1 202 | 232 | 970 | 240 | 207 | 184 | 339 |
| $30 TO $39 | 1 203 | 292 | 912 | 233 | 192 | 146 | 341 |
| $40 TO $49 | 964 | 307 | 657 | 164 | 146 | 95 | 252 |
| $50 TO $59 | 801 | 307 | 494 | 164 | 103 | 86 | 141 |
| $60 TO $79 | 1 051 | 447 | 604 | 241 | 135 | 66 | 162 |
| $80 TO $99 | 406 | 190 | 215 | 89 | 53 | 26 | 47 |
| $100 TO $149 | 430 | 194 | 236 | 103 | 46 | 28 | 59 |
| $150 OR MORE | 141 | 62 | 79 | 31 | 25 | 9 | 13 |
| MEDIAN | 42 | 53 | 37 | 45 | 39 | 34 | 34 |
| INCLUDED IN RENT | 1 437 | 380 | 1 058 | 458 | 209 | 150 | 241 |
| NO ELECTRICITY USED | 12 | 5 | 7 | - | 2 | - | 5 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 14 626 | 4 107 | 10 519 | 3 580 | 3 192 | 1 522 | 2 225 |
| GAS PAID FOR | 9 590 | 1 716 | 7 875 | 2 433 | 2 406 | 1 206 | 1 830 |
| LESS THAN $10 | 423 | 77 | 346 | 105 | 100 | 59 | 83 |
| $10 TO $14 | 587 | 120 | 467 | 128 | 139 | 71 | 130 |
| $15 TO $19 | 668 | 112 | 556 | 152 | 185 | 95 | 124 |
| $20 TO $24 | 1 043 | 182 | 861 | 247 | 249 | 160 | 205 |
| $25 TO $29 | 1 012 | 153 | 859 | 300 | 260 | 121 | 178 |
| $30 TO $39 | 1 933 | 374 | 1 560 | 454 | 523 | 244 | 339 |
| $40 TO $49 | 1 401 | 213 | 1 188 | 418 | 351 | 173 | 245 |
| $50 TO $69 | 1 664 | 325 | 1 339 | 389 | 423 | 194 | 332 |
| $70 TO $99 | 591 | 103 | 488 | 171 | 130 | 59 | 128 |
| $100 OR MORE | 269 | 57 | 212 | 69 | 47 | 29 | 67 |
| MEDIAN | 35 | 35 | 35 | 36 | 35 | 34 | 35 |
| NO GAS USED | 5 035 | 2 391 | 2 644 | 1 147 | 786 | 316 | 395 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE D-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 2 563 | 6 050 | 1 871 | 1 246 | 946 | 1 987 |
| GAS PAID FOR | 3 739 | 453 | 3 286 | 661 | 731 | 581 | 1 314 |
| LESS THAN $10 | 446 | 58 | 389 | 89 | 87 | 75 | 137 |
| $10 TO $14 | 531 | 83 | 448 | 85 | 87 | 73 | 203 |
| $15 TO $19 | 459 | 54 | 406 | 93 | 98 | 74 | 140 |
| $20 TO $24 | 469 | 67 | 402 | 104 | 87 | 64 | 147 |
| $25 TO $29 | 340 | 35 | 305 | 48 | 68 | 70 | 119 |
| $30 TO $39 | 574 | 76 | 498 | 87 | 118 | 89 | 204 |
| $40 TO $49 | 367 | 34 | 333 | 50 | 93 | 44 | 146 |
| $50 TO $69 | 338 | 30 | 308 | 71 | 50 | 66 | 121 |
| $70 TO $99 | 155 | 13 | 141 | 27 | 31 | 18 | 65 |
| $100 OR MORE | 60 | 3 | 57 | 6 | 13 | 7 | 31 |
| MEDIAN | 24 | 22 | 24 | 22 | 25 | 25 | 26 |
| INCLUDED IN RENT | 2 044 | 589 | 1 455 | 608 | 296 | 212 | 339 |
| NO GAS USED | 2 830 | 1 521 | 1 309 | 602 | 219 | 153 | 335 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 14 626 | 4 107 | 10 519 | 3 580 | 3 192 | 1 522 | 2 225 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 2 909 | 704 | 2 205 | 685 | 611 | 355 | 553 |
| LESS THAN $100 | 565 | 229 | 336 | 134 | 104 | 38 | 60 |
| $100 TO $199 | 590 | 210 | 380 | 161 | 100 | 62 | 58 |
| $200 TO $299 | 293 | 69 | 223 | 62 | 63 | 33 | 65 |
| $300 TO $399 | 269 | 59 | 210 | 72 | 64 | 35 | 39 |
| $400 TO $499 | 196 | 23 | 173 | 66 | 40 | 33 | 33 |
| $500 TO $599 | 196 | 37 | 159 | 36 | 53 | 31 | 39 |
| $600 TO $699 | 223 | 24 | 199 | 40 | 68 | 25 | 66 |
| $700 TO $799 | 133 | 7 | 125 | 15 | 25 | 31 | 55 |
| $800 OR MORE | 445 | 45 | 400 | 99 | 93 | 69 | 138 |
| MEDIAN | 302 | 158 | 377 | 276 | 359 | 432 | 554 |
| FUELS NOT USED OR FREE | 11 717 | 3 403 | 8 314 | 2 895 | 2 581 | 1 166 | 1 672 |
| SPECIFIED RENTER OCCUPIED[1] | 8 613 | 2 563 | 6 050 | 1 871 | 1 246 | 946 | 1 987 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 835 | 87 | 748 | 120 | 129 | 111 | 388 |
| LESS THAN $100 | 161 | 38 | 123 | 23 | 18 | 13 | 69 |
| $100 TO $199 | 117 | 10 | 107 | 12 | 22 | 17 | 56 |
| $200 TO $299 | 103 | 11 | 92 | 14 | 14 | 18 | 47 |
| $300 TO $399 | 85 | 6 | 78 | 10 | 19 | 9 | 41 |
| $400 TO $499 | 78 | 9 | 69 | 19 | 14 | 8 | 28 |
| $500 TO $599 | 75 | 3 | 73 | 13 | 12 | 8 | 40 |
| $600 TO $699 | 80 | 6 | 74 | 11 | 4 | 9 | 51 |
| $700 TO $799 | 40 | 3 | 37 | 8 | 12 | 2 | 15 |
| $800 OR MORE | 96 | 1 | 95 | 11 | 15 | 28 | 41 |
| MEDIAN | 343 | 158 | 366 | 407 | 359 | 391 | 352 |
| INCLUDED IN RENT | 833 | 221 | 612 | 185 | 130 | 88 | 209 |
| FUELS NOT USED OR FREE | 6 944 | 2 254 | 4 690 | 1 565 | 987 | 746 | 1 391 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 8 428 | 19 002 | 6 305 | 4 626 | 2 789 | 5 082 |
| HEATING EQUIPMENT | | | | | | | |
| OWNER OCCUPIED | 18 491 | 5 852 | 12 640 | 4 394 | 3 521 | 1 802 | 2 923 |
| WARM-AIR FURNACE | 9 650 | 3 804 | 5 846 | 2 689 | 1 777 | 546 | 833 |
| HEAT PUMP | 1 069 | 731 | 338 | 178 | 115 | 24 | 22 |
| STEAM OR HOT WATER | 533 | 17 | 516 | 106 | 67 | 83 | 260 |
| BUILT-IN ELECTRIC UNITS | 1 293 | 530 | 763 | 418 | 188 | 81 | 77 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 471 | 123 | 1 348 | 246 | 477 | 261 | 364 |
| ROOM HEATERS WITH FLUE | 1 108 | 66 | 1 042 | 157 | 235 | 192 | 458 |
| ROOM HEATERS WITHOUT FLUE | 1 541 | 101 | 1 439 | 198 | 348 | 361 | 532 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 773 | 475 | 1 298 | 391 | 284 | 249 | 374 |
| NONE | 54 | 4 | 50 | 11 | 30 | 5 | 4 |
| RENTER OCCUPIED | 8 939 | 2 577 | 6 362 | 1 911 | 1 305 | 987 | 2 159 |
| WARM-AIR FURNACE | 3 980 | 1 961 | 2 019 | 1 074 | 416 | 189 | 341 |
| HEAT PUMP | 310 | 216 | 94 | 69 | 6 | 11 | 8 |
| STEAM OR HOT WATER | 476 | 11 | 465 | 79 | 71 | 109 | 206 |
| BUILT-IN ELECTRIC UNITS | 715 | 290 | 425 | 201 | 81 | 42 | 102 |
| FLOOR, WALL, OR PIPELESS FURNACE | 716 | 34 | 682 | 154 | 230 | 126 | 173 |
| ROOM HEATERS WITH FLUE | 750 | 13 | 737 | 87 | 165 | 127 | 358 |
| ROOM HEATERS WITHOUT FLUE | 1 127 | 17 | 1 110 | 114 | 187 | 247 | 563 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 736 | 30 | 706 | 111 | 116 | 112 | 366 |
| NONE | 128 | 4 | 124 | 24 | 34 | 25 | 42 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE D-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 8 428 | 19 002 | 6 305 | 4 826 | 2 789 | 5 082 |
| UNITS OCCUPIED LAST WINTER | 23 131 | 6 531 | 16 599 | 5 433 | 4 343 | 2 442 | 4 381 |
| INSUFFICIENT HEAT | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | |
| OWNER OCCUPIED | 17 449 | 5 202 | 12 246 | 4 229 | 3 440 | 1 747 | 2 830 |
| WITH HEATING EQUIPMENT | 17 408 | 5 200 | 12 207 | 4 220 | 3 419 | 1 741 | 2 827 |
| NO ROOMS CLOSED | 16 369 | 5 056 | 11 313 | 4 017 | 3 215 | 1 587 | 2 495 |
| CLOSED CERTAIN ROOMS | 893 | 94 | 799 | 173 | 175 | 135 | 316 |
| LIVING ROOM ONLY | 26 | 6 | 20 | 9 | 2 | 3 | 7 |
| DINING ROOM ONLY | 7 | 2 | 5 | - | - | - | 5 |
| 1 OR MORE BEDROOMS ONLY | 615 | 63 | 552 | 111 | 122 | 91 | 228 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 236 | 23 | 213 | 51 | 51 | 41 | 70 |
| NOT REPORTED | 8 | - | 8 | 3 | - | - | 5 |
| NOT REPORTED | 145 | 50 | 95 | 30 | 29 | 20 | 16 |
| NO HEATING EQUIPMENT | 41 | 2 | 39 | 9 | 21 | 5 | 4 |
| RENTER OCCUPIED | 5 682 | 1 329 | 4 353 | 1 204 | 902 | 696 | 1 551 |
| WITH HEATING EQUIPMENT | 5 617 | 1 327 | 4 290 | 1 191 | 876 | 686 | 1 537 |
| NO ROOMS CLOSED | 5 015 | 1 283 | 3 733 | 1 112 | 778 | 598 | 1 244 |
| CLOSED CERTAIN ROOMS | 513 | 26 | 487 | 59 | 80 | 77 | 272 |
| LIVING ROOM ONLY | 23 | 2 | 21 | 6 | 3 | 6 | 6 |
| DINING ROOM ONLY | 4 | - | 4 | - | - | - | 4 |
| 1 OR MORE BEDROOMS ONLY | 311 | 15 | 296 | 37 | 53 | 50 | 156 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 166 | 6 | 160 | 15 | 21 | 19 | 105 |
| NOT REPORTED | 10 | 3 | 7 | - | 3 | 2 | 2 |
| NOT REPORTED | 89 | 19 | 70 | 19 | 19 | 10 | 22 |
| NO HEATING EQUIPMENT | 65 | 2 | 63 | 13 | 26 | 10 | 13 |
| ADDITIONAL HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 17 449 | 5 202 | 12 246 | 4 229 | 3 440 | 1 747 | 2 830 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 4 656 | 9 560 | 3 654 | 2 793 | 1 159 | 1 954 |
| NO ADDITIONAL HEAT SOURCE USED | 12 760 | 4 326 | 8 454 | 3 318 | 2 494 | 1 020 | 1 621 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 1 120 | 235 | 884 | 266 | 254 | 104 | 260 |
| NOT REPORTED | 317 | 95 | 222 | 70 | 45 | 34 | 73 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 546 | 2 687 | 575 | 647 | 588 | 876 |
| RENTER OCCUPIED | 5 682 | 1 329 | 4 353 | 1 204 | 902 | 696 | 1 551 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 1 305 | 2 955 | 1 024 | 663 | 430 | 837 |
| NO ADDITIONAL HEAT SOURCE USED | 3 588 | 1 203 | 2 385 | 908 | 518 | 309 | 650 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 519 | 57 | 462 | 84 | 120 | 97 | 161 |
| NOT REPORTED | 153 | 44 | 108 | 33 | 26 | 24 | 25 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 24 | 1 398 | 179 | 239 | 265 | 714 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 17 449 | 5 202 | 12 246 | 4 229 | 3 440 | 1 747 | 2 830 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 4 656 | 9 560 | 3 654 | 2 793 | 1 159 | 1 954 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 10 950 | 4 280 | 6 670 | 3 011 | 1 928 | 657 | 1 074 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 910 | 268 | 2 642 | 570 | 799 | 465 | 808 |
| 1 ROOM | 666 | 127 | 539 | 170 | 153 | 69 | 147 |
| 2 ROOMS | 600 | 25 | 575 | 87 | 168 | 103 | 217 |
| 3 ROOMS OR MORE | 1 644 | 116 | 1 529 | 313 | 479 | 293 | 444 |
| NOT REPORTED | 356 | 108 | 248 | 73 | 65 | 37 | 72 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 546 | 2 687 | 575 | 647 | 588 | 876 |
| RENTER OCCUPIED | 5 682 | 1 329 | 4 353 | 1 204 | 902 | 696 | 1 551 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 1 305 | 2 955 | 1 024 | 663 | 430 | 837 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 3 081 | 1 206 | 1 876 | 817 | 375 | 247 | 437 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 027 | 58 | 969 | 174 | 261 | 160 | 373 |
| 1 ROOM | 244 | 19 | 225 | 49 | 48 | 24 | 103 |
| 2 ROOMS | 273 | 17 | 255 | 60 | 58 | 42 | 95 |
| 3 ROOMS OR MORE | 511 | 21 | 490 | 65 | 155 | 94 | 175 |
| NOT REPORTED | 151 | 41 | 110 | 33 | 27 | 23 | 27 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 24 | 1 398 | 179 | 239 | 265 | 714 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE D-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | |
| OWNER OCCUPIED | 17 449 | 5 202 | 12 246 | 4 229 | 3 440 | 1 747 | 2 830 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 14 216 | 4 656 | 9 560 | 3 654 | 2 793 | 1 159 | 1 954 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 3 233 | 546 | 2 687 | 575 | 647 | 588 | 876 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 2 648 | 465 | 2 183 | 488 | 521 | 486 | 688 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 297 | 26 | 271 | 28 | 53 | 68 | 122 |
| NOT REPORTED | 288 | 56 | 232 | 59 | 74 | 34 | 66 |
| RENTER OCCUPIED | 5 682 | 1 329 | 4 353 | 1 204 | 902 | 696 | 1 551 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 4 260 | 1 305 | 2 955 | 1 024 | 663 | 430 | 837 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 1 422 | 24 | 1 398 | 179 | 239 | 265 | 714 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 1 019 | 21 | 998 | 123 | 163 | 193 | 518 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 288 | - | 288 | 41 | 51 | 51 | 145 |
| NOT REPORTED | 116 | 4 | 112 | 15 | 25 | 21 | 50 |
| ALL OCCUPIED HOUSING UNITS | 27 430 | 8 428 | 19 002 | 6 305 | 4 826 | 2 789 | 5 082 |
| AIR CONDITIONING | | | | | | | |
| OWNER OCCUPIED | 18 491 | 5 852 | 12 640 | 4 394 | 3 521 | 1 802 | 2 923 |
| WITH AIR CONDITIONING | 14 796 | 5 152 | 9 644 | 3 702 | 2 885 | 1 253 | 1 803 |
| ROOM UNITS | 6 459 | 1 092 | 5 367 | 1 429 | 1 619 | 912 | 1 407 |
| 1 | 3 733 | 760 | 2 972 | 909 | 806 | 525 | 731 |
| 2 | 1 940 | 284 | 1 656 | 401 | 558 | 267 | 429 |
| 3 | 559 | 38 | 521 | 94 | 184 | 91 | 152 |
| 4 | 162 | 8 | 154 | 21 | 46 | 22 | 64 |
| 5 OR MORE | 66 | 2 | 64 | 3 | 25 | 5 | 30 |
| CENTRAL SYSTEM | 8 337 | 4 060 | 4 277 | 2 273 | 1 266 | 341 | 396 |
| WITH NO AIR CONDITIONING | 3 695 | 699 | 2 996 | 692 | 635 | 548 | 1 120 |
| RENTER OCCUPIED | 8 939 | 2 577 | 6 362 | 1 911 | 1 305 | 987 | 2 159 |
| WITH AIR CONDITIONING | 6 156 | 2 371 | 3 786 | 1 522 | 862 | 501 | 900 |
| ROOM UNITS | 2 769 | 295 | 2 474 | 619 | 628 | 421 | 806 |
| 1 | 2 061 | 235 | 1 827 | 476 | 446 | 302 | 603 |
| 2 | 595 | 49 | 546 | 121 | 158 | 97 | 170 |
| 3 | 88 | 9 | 79 | 21 | 21 | 16 | 21 |
| 4 | 15 | - | 15 | 1 | 3 | 5 | 5 |
| 5 OR MORE | 8 | 2 | 7 | - | - | - | 7 |
| CENTRAL SYSTEM | 3 388 | 2 076 | 1 312 | 903 | 234 | 81 | 94 |
| WITH NO AIR CONDITIONING | 2 783 | 206 | 2 577 | 389 | 443 | 486 | 1 259 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE D-8. MONTHLY COST PAID FOR ELECTRICITY BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISITCS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $10 | $10 TO $19 | $20 TO $29 | $30 TO $39 | $40 TO $49 | $50 TO $59 | $60 TO $79 | $80 TO $99 | $100 TO $149 | $150 OR MORE | NO ELECTRICITY USED OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 14 626 | 55 | 491 | 1 149 | 1 842 | 1 712 | 1 862 | 3 012 | 1 618 | 2 094 | 781 | 8 | 61 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| ELECTRICITY | 4 026 | 8 | 24 | 43 | 123 | 208 | 374 | 968 | 713 | 1 097 | 468 | - | 87 |
| OTHER THAN ELECTRICITY | 10 549 | 47 | 466 | 1 101 | 1 710 | 1 501 | 1 481 | 2 038 | 892 | 993 | 312 | 8 | 53 |
| UTILITY GAS | 7 604 | 37 | 312 | 787 | 1 192 | 1 063 | 1 048 | 1 481 | 680 | 749 | 250 | 6 | 54 |
| BOTTLED, TANK, OR LP GAS | 884 | 3 | 63 | 106 | 157 | 117 | 130 | 166 | 54 | 68 | 19 | 2 | 49 |
| FUEL OIL | 1 527 | 3 | 54 | 152 | 258 | 235 | 236 | 290 | 114 | 150 | 34 | - | 52 |
| KEROSENE, ETC | 119 | - | 8 | 12 | 26 | 13 | 14 | 22 | 10 | 6 | 7 | - | 49 |
| COAL OR COKE | 42 | 4 | 7 | 5 | 12 | 8 | - | 4 | 3 | - | - | - | 34 |
| WOOD | 366 | - | 22 | 37 | 64 | 64 | 51 | 74 | 32 | 20 | 1 | 1 | 48 |
| SOLAR HEAT | 2 | - | - | - | - | - | 2 | - | - | - | - | - | ... |
| OTHER FUEL | 5 | - | - | 2 | 2 | 2 | - | - | - | - | - | - | ... |
| NONE | 51 | - | - | 5 | 10 | 4 | 7 | 5 | 13 | 4 | 2 | - | 58 |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 7 823 | 9 | 135 | 398 | 875 | 884 | 938 | 1 694 | 943 | 1 389 | 557 | 2 | 66 |
| HEAT PUMP | 812 | 2 | - | 9 | 9 | 45 | 50 | 193 | 150 | 242 | 112 | - | 92 |
| STEAM OR HOT WATER | 448 | - | 29 | 91 | 91 | 72 | 65 | 73 | 8 | 17 | 3 | - | 42 |
| BUILT-IN ELECTRIC UNITS | 1 046 | 3 | 5 | 13 | 50 | 63 | 176 | 320 | 173 | 193 | 51 | - | 73 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 263 | 8 | 78 | 191 | 240 | 178 | 167 | 205 | 109 | 68 | 20 | - | 46 |
| ROOM HEATERS WITH FLUE | 875 | 14 | 86 | 152 | 152 | 137 | 123 | 109 | 43 | 50 | 10 | - | 42 |
| ROOM HEATERS WITHOUT FLUE | 1 229 | 14 | 112 | 197 | 238 | 160 | 187 | 175 | 79 | 47 | 13 | 5 | 43 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 078 | 6 | 46 | 94 | 178 | 170 | 151 | 237 | 100 | 83 | 13 | 1 | 53 |
| NONE | 51 | - | - | 5 | 10 | 4 | 7 | 5 | 13 | 4 | 2 | - | 58 |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 2 136 | 37 | 270 | 430 | 385 | 258 | 223 | 267 | 120 | 112 | 27 | 7 | 38 |
| 2 PERSONS | 4 660 | 8 | 148 | 396 | 722 | 681 | 661 | 968 | 395 | 526 | 154 | - | 55 |
| 3 PERSONS | 2 783 | 7 | 38 | 150 | 271 | 328 | 366 | 675 | 361 | 441 | 147 | - | 67 |
| 4 PERSONS | 2 914 | 2 | 16 | 86 | 258 | 263 | 363 | 692 | 470 | 551 | 211 | 2 | 73 |
| 5 PERSONS | 1 289 | 2 | 7 | 43 | 110 | 112 | 149 | 241 | 177 | 312 | 137 | - | 78 |
| 6 PERSONS | 502 | - | 9 | 22 | 47 | 47 | 63 | 90 | 55 | 92 | 78 | - | 73 |
| 7 PERSONS OR MORE | 343 | - | 3 | 24 | 48 | 23 | 36 | 79 | 40 | 61 | 28 | - | 69 |
| MEDIAN | 2.7 | 1.5- | 1.5- | 1.9 | 2.2 | 2.4 | 2.6 | 2.9 | 3.3 | 3.4 | 3.8 | ... | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 11 952 | 27 | 204 | 624 | 1 285 | 1 349 | 1 532 | 2 663 | 1 497 | 2 010 | 759 | 2 | 67 |
| ROOM UNITS | 5 125 | 16 | 167 | 485 | 853 | 754 | 808 | 1 044 | 488 | 412 | 99 | - | 53 |
| 1 | 2 825 | 16 | 136 | 314 | 528 | 420 | 435 | 516 | 260 | 164 | 36 | - | 49 |
| 2 | 1 604 | - | 30 | 153 | 244 | 236 | 258 | 345 | 149 | 156 | 34 | - | 55 |
| 3 | 496 | - | 2 | 14 | 64 | 77 | 80 | 137 | 49 | 55 | 19 | - | 62 |
| 4 | 142 | - | - | 4 | 8 | 18 | 27 | 31 | 22 | 27 | 6 | - | 69 |
| 5 OR MORE | 57 | - | - | - | 9 | 4 | 8 | 15 | 7 | 11 | 4 | - | 70 |
| CENTRAL SYSTEM | 6 827 | 10 | 37 | 139 | 433 | 596 | 724 | 1 619 | 1 010 | 1 598 | 660 | 2 | 77 |
| WITH NO AIR CONDITIONING | 2 473 | 29 | 287 | 525 | 557 | 363 | 330 | 349 | 121 | 84 | 22 | 7 | 38 |
| SPECIFIED RENTER OCCUPIED[3] | 8 613 | 134 | 833 | 1 202 | 1 203 | 964 | 801 | 1 051 | 406 | 430 | 141 | 1 450 | 42 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| ELECTRICITY | 2 958 | 12 | 118 | 231 | 329 | 336 | 333 | 541 | 237 | 256 | 79 | 485 | 56 |
| OTHER THAN ELECTRICITY | 5 530 | 114 | 699 | 956 | 854 | 609 | 457 | 496 | 165 | 172 | 60 | 947 | 35 |
| UTILITY GAS | 4 042 | 90 | 502 | 762 | 579 | 422 | 318 | 355 | 138 | 125 | 47 | 704 | 35 |
| BOTTLED, TANK, OR LP GAS | 406 | 2 | 46 | 58 | 70 | 52 | 58 | 54 | 13 | 19 | 8 | 27 | 43 |
| FUEL OIL | 729 | 15 | 89 | 85 | 118 | 80 | 54 | 53 | 13 | 20 | 4 | 199 | 36 |
| KEROSENE, ETC | 61 | - | 2 | 12 | 16 | 14 | 5 | 10 | - | 2 | - | 1 | 40 |
| COAL OR COKE | 29 | 2 | 4 | 8 | 11 | 2 | 2 | - | - | - | - | 2 | ... |
| WOOD | 261 | 7 | 57 | 31 | 59 | 41 | 20 | 24 | 1 | 7 | 2 | 13 | 34 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 2 | - | - | - | 2 | - | - | - | - | - | - | - | ... |
| NONE | 125 | 7 | 16 | 15 | 20 | 19 | 10 | 14 | 3 | 2 | 2 | 18 | 37 |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 943 | 38 | 234 | 418 | 448 | 430 | 403 | 567 | 226 | 263 | 97 | 819 | 49 |
| HEAT PUMP | 306 | - | 4 | 17 | 31 | 41 | 48 | 59 | 37 | 30 | 11 | 28 | 59 |
| STEAM OR HOT WATER | 466 | 17 | 81 | 80 | 31 | 25 | 13 | 6 | 3 | 4 | - | 205 | 24 |
| BUILT-IN ELECTRIC UNITS | 703 | 5 | 43 | 83 | 114 | 79 | 61 | 126 | 55 | 42 | 9 | 88 | 47 |
| FLOOR, WALL, OR PIPELESS FURNACE | 692 | 11 | 68 | 159 | 137 | 70 | 62 | 68 | 30 | 14 | 2 | 72 | 35 |
| ROOM HEATERS WITH FLUE | 712 | 21 | 117 | 124 | 121 | 89 | 63 | 60 | 15 | 18 | 4 | 80 | 34 |
| ROOM HEATERS WITHOUT FLUE | 1 058 | 24 | 163 | 215 | 158 | 135 | 87 | 106 | 25 | 40 | 10 | 94 | 35 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 608 | 10 | 108 | 92 | 144 | 76 | 52 | 45 | 12 | 16 | 6 | 45 | 34 |
| NONE | 125 | 7 | 16 | 15 | 20 | 19 | 10 | 14 | 3 | 2 | 2 | 18 | 37 |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 2 817 | 82 | 438 | 512 | 389 | 272 | 197 | 201 | 55 | 34 | 9 | 628 | 31 |
| 2 PERSONS | 2 441 | 21 | 181 | 296 | 369 | 330 | 279 | 322 | 126 | 107 | 27 | 384 | 44 |
| 3 PERSONS | 1 410 | 16 | 91 | 176 | 198 | 133 | 124 | 232 | 97 | 112 | 37 | 193 | 49 |
| 4 PERSONS | 1 057 | 4 | 61 | 104 | 136 | 120 | 100 | 185 | 79 | 96 | 35 | 136 | 53 |
| 5 PERSONS | 485 | 2 | 27 | 50 | 60 | 51 | 69 | 68 | 31 | 46 | 13 | 67 | 52 |
| 6 PERSONS | 209 | 5 | 13 | 34 | 26 | 32 | 18 | 28 | 3 | 17 | 11 | 21 | 44 |
| 7 PERSONS OR MORE | 194 | 4 | 21 | 29 | 25 | 25 | 14 | 15 | 14 | 17 | 8 | 21 | 43 |
| MEDIAN | 2.1 | 1.5- | 1.5- | 1.8 | 2.1 | 2.1 | 2.2 | 2.5 | 2.7 | 3.1 | 3.4 | 1.8 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 6 033 | 52 | 355 | 667 | 757 | 687 | 649 | 895 | 370 | 394 | 128 | 1 079 | 48 |
| ROOM UNITS | 2 666 | 38 | 215 | 410 | 424 | 320 | 290 | 350 | 131 | 109 | 36 | 343 | 42 |
| 1 | 1 989 | 35 | 193 | 336 | 330 | 245 | 192 | 224 | 88 | 51 | 17 | 278 | 38 |
| 2 | 572 | 2 | 20 | 65 | 79 | 69 | 86 | 101 | 34 | 44 | 14 | 57 | 52 |
| 3 | 84 | - | - | 7 | 10 | 7 | 10 | 19 | 5 | 12 | 5 | 8 | 63 |
| 4 | 13 | - | - | 2 | 3 | - | - | 5 | 4 | - | - | - | ... |
| 5 OR MORE | 8 | - | 2 | - | 2 | - | 2 | 2 | - | 2 | - | - | ... |
| CENTRAL SYSTEM | 3 367 | 15 | 140 | 257 | 333 | 367 | 359 | 545 | 239 | 284 | 93 | 736 | 55 |
| WITH NO AIR CONDITIONING | 2 580 | 81 | 478 | 535 | 446 | 277 | 152 | 156 | 35 | 36 | 12 | 371 | 30 |

[1] RENTER HOUSEHOLDS WITH ELECTRICITY COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2] LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[3] EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE D-9. MONTHLY COST PAID FOR GAS BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $10 | $10 TO $14 | $15 TO $19 | $20 TO $24 | $25 TO $29 | $30 TO $39 | $40 TO $49 | $50 TO $69 | $70 TO $99 | $100 OR MORE | NO GAS USED OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 14 626 | 423 | 587 | 668 | 1 043 | 1 012 | 1 933 | 1 401 | 1 664 | 591 | 269 | 5 035 | 35 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| GAS | 8 488 | 235 | 402 | 571 | 909 | 912 | 1 772 | 1 337 | 1 568 | 552 | 232 | - | 36 |
| UTILITY GAS | 7 604 | 196 | 339 | 525 | 814 | 826 | 1 615 | 1 233 | 1 391 | 478 | 188 | - | 36 |
| BOTTLED, TANK, OR LP GAS | 884 | 39 | 63 | 45 | 95 | 86 | 157 | 104 | 177 | 74 | 44 | - | 37 |
| OTHER THAN GAS | 6 087 | 186 | 181 | 95 | 128 | 98 | 158 | 64 | 96 | 39 | 37 | 5 003 | 22 |
| FUEL OIL | 1 527 | 75 | 56 | 30 | 38 | 38 | 40 | 18 | 39 | 14 | 20 | 1 157 | 22 |
| KEROSENE, ETC | 119 | 6 | 12 | 2 | 7 | 3 | 7 | - | 2 | - | 3 | 77 | 20 |
| ELECTRICITY | 4 026 | 83 | 84 | 55 | 64 | 40 | 96 | 39 | 52 | 25 | 10 | 3 477 | 23 |
| COAL OR COKE | 42 | 4 | 2 | - | - | 2 | - | - | - | - | - | 34 | ... |
| WOOD | 366 | 18 | 27 | 9 | 18 | 13 | 13 | 6 | 3 | - | 3 | 256 | 20 |
| SOLAR HEAT | 2 | - | - | - | - | - | - | - | - | - | - | 2 | - |
| OTHER FUEL | 5 | - | - | - | 2 | 2 | 2 | - | - | - | - | - | ... |
| NONE | 51 | 2 | 4 | 2 | 6 | 2 | 4 | - | - | - | - | 32 | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 7 823 | 175 | 245 | 333 | 511 | 546 | 1 178 | 909 | 1 078 | 404 | 172 | 2 271 | 37 |
| HEAT PUMP | 812 | 2 | 24 | 4 | 9 | 2 | 8 | 3 | 6 | 1 | 2 | 752 | 19 |
| STEAM OR HOT WATER | 448 | 29 | 23 | 19 | 30 | 20 | 37 | 42 | 75 | 28 | 11 | 135 | 39 |
| BUILT-IN ELECTRIC UNITS | 1 046 | 27 | 14 | 7 | 4 | 5 | 16 | 2 | 12 | 1 | 5 | 953 | 18 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 263 | 42 | 73 | 97 | 165 | 148 | 242 | 177 | 158 | 52 | 13 | 99 | 32 |
| ROOM HEATERS WITH FLUE | 875 | 53 | 38 | 49 | 96 | 97 | 117 | 84 | 109 | 24 | 26 | 183 | 31 |
| ROOM HEATERS WITHOUT FLUE | 1 229 | 49 | 88 | 114 | 168 | 142 | 255 | 133 | 163 | 64 | 26 | 26 | 31 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 078 | 45 | 79 | 44 | 53 | 49 | 77 | 51 | 64 | 16 | 15 | 585 | 27 |
| NONE | 51 | 2 | 4 | 2 | 6 | 2 | 4 | - | - | - | - | 32 | ... |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 2 136 | 119 | 135 | 127 | 188 | 185 | 361 | 156 | 151 | 47 | 24 | 642 | 29 |
| 2 PERSONS | 4 660 | 142 | 200 | 274 | 379 | 318 | 633 | 444 | 506 | 181 | 55 | 1 527 | 34 |
| 3 PERSONS | 2 783 | 66 | 103 | 101 | 177 | 221 | 297 | 272 | 371 | 126 | 42 | 1 007 | 37 |
| 4 PERSONS | 2 914 | 47 | 77 | 102 | 161 | 175 | 386 | 280 | 349 | 102 | 72 | 1 163 | 37 |
| 5 PERSONS | 1 289 | 24 | 56 | 43 | 81 | 74 | 132 | 135 | 171 | 70 | 42 | 462 | 40 |
| 6 PERSONS | 502 | 13 | 2 | 13 | 40 | 27 | 64 | 72 | 74 | 35 | 21 | 141 | 43 |
| 7 PERSONS OR MORE | 383 | 11 | 14 | 8 | 18 | 12 | 61 | 42 | 43 | 29 | 12 | 93 | 40 |
| MEDIAN | 2.7 | 2.1 | 2.3 | 2.3 | 2.4 | 2.5 | 2.4 | 2.9 | 3.0 | 3.0 | 3.7 | 2.8 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 11 952 | 301 | 426 | 510 | 840 | 836 | 1 548 | 1 192 | 1 375 | 487 | 224 | 4 214 | 36 |
| ROOM UNITS | 5 125 | 175 | 227 | 262 | 428 | 441 | 742 | 557 | 537 | 162 | 102 | 1 492 | 33 |
| 1 | 2 825 | 92 | 127 | 145 | 236 | 224 | 418 | 275 | 281 | 89 | 42 | 895 | 33 |
| 2 | 1 604 | 54 | 72 | 84 | 136 | 147 | 219 | 198 | 173 | 35 | 33 | 453 | 33 |
| 3 | 496 | 20 | 18 | 23 | 39 | 62 | 75 | 61 | 59 | 24 | 16 | 100 | 34 |
| 4 | 142 | 7 | 5 | 4 | 9 | 6 | 22 | 20 | 15 | 13 | 6 | 37 | 39 |
| 5 OR MORE | 57 | 2 | 5 | 6 | 8 | 2 | 7 | 4 | 9 | 2 | 6 | 7 | 34 |
| CENTRAL SYSTEM | 6 827 | 126 | 198 | 248 | 411 | 395 | 806 | 635 | 837 | 324 | 122 | 2 722 | 38 |
| WITH NO AIR CONDITIONING | 2 673 | 122 | 161 | 158 | 203 | 176 | 386 | 209 | 289 | 104 | 44 | 821 | 32 |
| SPECIFIED RENTER OCCUPIED[3] | 8 613 | 446 | 531 | 459 | 469 | 340 | 574 | 367 | 338 | 155 | 60 | 4 874 | 24 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| GAS | 4 448 | 294 | 413 | 391 | 400 | 283 | 536 | 342 | 311 | 138 | 50 | 1 288 | 26 |
| UTILITY GAS | 4 042 | 279 | 371 | 365 | 359 | 250 | 485 | 294 | 273 | 104 | 33 | 1 230 | 26 |
| BOTTLED, TANK, OR LP GAS | 406 | 15 | 42 | 26 | 42 | 33 | 51 | 48 | 38 | 34 | 17 | 58 | 33 |
| OTHER THAN GAS | 4 040 | 138 | 106 | 61 | 66 | 53 | 36 | 25 | 23 | 15 | 10 | 3 506 | 17 |
| FUEL OIL | 729 | 52 | 38 | 24 | 24 | 15 | 10 | 13 | 11 | - | 6 | 536 | 16 |
| KEROSENE, ETC | 61 | 3 | 5 | 3 | 2 | 6 | - | - | 2 | 3 | - | 38 | ... |
| ELECTRICITY | 2 958 | 65 | 45 | 33 | 35 | 16 | 21 | 9 | 8 | 10 | 1 | 2 715 | 16 |
| COAL OR COKE | 29 | - | 2 | - | 2 | 2 | - | - | - | - | - | 23 | ... |
| WOOD | 261 | 18 | 15 | 2 | 5 | 13 | 5 | 3 | 3 | 2 | 3 | 192 | 18 |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 2 | - | - | - | - | - | - | - | - | - | - | 2 | - |
| NONE | 125 | 14 | 12 | 7 | 2 | 4 | 2 | - | 3 | 2 | - | 80 | 13 |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 943 | 123 | 184 | 168 | 195 | 97 | 206 | 126 | 129 | 66 | 14 | 2 636 | 24 |
| HEAT PUMP | 306 | 7 | - | - | 2 | 2 | 1 | 1 | - | 1 | - | 292 | ... |
| STEAM OR HOT WATER | 466 | 47 | 21 | 23 | 9 | 4 | 11 | 14 | 12 | - | 4 | 322 | 16 |
| BUILT-IN ELECTRIC UNITS | 703 | 36 | 15 | 9 | 5 | 8 | 5 | 2 | 3 | 2 | - | 619 | 12 |
| FLOOR, WALL, OR PIPELESS FURNACE | 692 | 63 | 55 | 71 | 70 | 51 | 95 | 62 | 51 | 15 | 7 | 153 | 26 |
| ROOM HEATERS WITH FLUE | 712 | 34 | 46 | 42 | 46 | 42 | 98 | 52 | 61 | 26 | 15 | 249 | 32 |
| ROOM HEATERS WITHOUT FLUE | 1 058 | 71 | 152 | 123 | 118 | 101 | 141 | 96 | 66 | 31 | 17 | 141 | 24 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 608 | 52 | 46 | 17 | 21 | 31 | 15 | 15 | 14 | 11 | 3 | 383 | 18 |
| NONE | 125 | 14 | 12 | 7 | 2 | 4 | 2 | - | 3 | 2 | - | 80 | 13 |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 2 817 | 167 | 193 | 160 | 132 | 79 | 142 | 57 | 62 | 20 | 12 | 1 792 | 19 |
| 2 PERSONS | 2 441 | 141 | 153 | 130 | 121 | 106 | 135 | 104 | 84 | 46 | 14 | 1 407 | 23 |
| 3 PERSONS | 1 410 | 72 | 77 | 74 | 94 | 71 | 113 | 74 | 60 | 16 | 9 | 751 | 26 |
| 4 PERSONS | 1 057 | 32 | 49 | 53 | 64 | 44 | 98 | 80 | 53 | 38 | 10 | 536 | 32 |
| 5 PERSONS | 485 | 25 | 31 | 20 | 41 | 16 | 53 | 22 | 32 | 12 | 7 | 225 | 28 |
| 6 PERSONS | 209 | 4 | 13 | 16 | 13 | 9 | 18 | 10 | 18 | 17 | 1 | 88 | 32 |
| 7 PERSONS OR MORE | 194 | 5 | 15 | 6 | 3 | 14 | 15 | 19 | 28 | 6 | 7 | 74 | 40 |
| MEDIAN | 2.1 | 1.9 | 2.0 | 2.0 | 2.3 | 2.4 | 2.6 | 2.8 | 2.9 | 3.2 | 2.9 | 1.9 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 6 033 | 285 | 314 | 296 | 283 | 164 | 333 | 239 | 187 | 102 | 30 | 3 801 | 23 |
| ROOM UNITS | 2 666 | 212 | 210 | 198 | 188 | 116 | 235 | 179 | 120 | 70 | 23 | 1 114 | 23 |
| 1 | 1 989 | 157 | 164 | 137 | 131 | 82 | 174 | 123 | 76 | 54 | 12 | 877 | 23 |
| 2 | 572 | 45 | 33 | 58 | 46 | 28 | 52 | 46 | 41 | 11 | 8 | 203 | 25 |
| 3 | 84 | 7 | 11 | - | 9 | 5 | 9 | 7 | 3 | 5 | - | 28 | 26 |
| 4 | 13 | - | 2 | - | 2 | 2 | - | 3 | - | - | 3 | 2 | ... |
| 5 OR MORE | 8 | 3 | - | 2 | - | - | - | - | - | - | - | 3 | ... |
| CENTRAL SYSTEM | 3 367 | 72 | 104 | 99 | 95 | 47 | 97 | 60 | 67 | 31 | 6 | 2 688 | 23 |
| WITH NO AIR CONDITIONING | 2 580 | 162 | 217 | 163 | 186 | 176 | 241 | 128 | 150 | 53 | 30 | 1 073 | 26 |

[1]RENTER HOUSEHOLDS WITH ELECTRICITY COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE D-10. YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC., BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $100 | $100 TO $199 | $200 TO $299 | $300 TO $399 | $400 TO $499 | $500 TO $599 | $600 TO $699 | $700 TO $799 | $800 OR MORE | FUELS NOT USED, FREE, OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 14 626 | 565 | 590 | 293 | 269 | 196 | 196 | 223 | 133 | 445 | 11 717 | 302 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OIL, COAL, KEROSENE, WOOD, ETC. | 2 053 | 94 | 188 | 153 | 190 | 158 | 174 | 181 | 122 | 397 | 397 | 525 |
| FUEL OIL | 1 527 | 48 | 124 | 103 | 151 | 139 | 153 | 174 | 113 | 380 | 140 | 582 |
| COAL OR COKE | 42 | 2 | 11 | 8 | 7 | 3 | 3 | - | 2 | - | 7 | 264 |
| KEROSENE, ETC | 119 | 8 | 16 | 17 | 17 | 11 | 18 | 5 | 3 | 8 | 16 | 358 |
| WOOD | 366 | 36 | 37 | 25 | 14 | 5 | - | 2 | 4 | 8 | 234 | 179 |
| OTHER THAN OIL, COAL, KEROSENE, WOOD, ETC | 12 522 | 470 | 403 | 139 | 79 | 37 | 21 | 42 | 11 | 48 | 11 270 | 138 |
| UTILITY GAS | 7 604 | 279 | 214 | 53 | 36 | 23 | 16 | 15 | 11 | 28 | 6 931 | 127 |
| BOTTLED, TANK, OR LP GAS | 884 | 28 | 34 | 15 | 12 | 6 | 2 | 20 | - | 5 | 762 | 196 |
| ELECTRICITY | 4 026 | 163 | 154 | 71 | 31 | 9 | 4 | 7 | - | 14 | 3 574 | 141 |
| SOLAR HEAT | 2 | - | - | - | - | - | - | - | - | - | 2 | - |
| OTHER FUEL | 5 | 2 | - | - | - | - | - | - | - | 2 | 2 | ... |
| NONE | 51 | - | - | - | - | - | - | - | - | - | 51 | - |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 7 823 | 341 | 279 | 96 | 125 | 112 | 124 | 136 | 74 | 242 | 6 291 | 339 |
| HEAT PUMP | 812 | 55 | 30 | 8 | 3 | - | - | 5 | - | 5 | 706 | 100- |
| STEAM OR HOT WATER | 448 | 8 | 13 | 7 | 7 | 7 | 7 | 28 | 28 | 146 | 198 | 800+ |
| BUILT-IN ELECTRIC UNITS | 1 046 | 23 | 34 | 21 | 3 | - | 1 | - | - | - | 963 | 154 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 263 | 12 | 22 | 24 | 27 | 9 | 13 | 20 | 4 | 6 | 1 127 | 338 |
| ROOM HEATERS WITH FLUE | 875 | 41 | 61 | 46 | 45 | 37 | 38 | 20 | 14 | 29 | 545 | 339 |
| ROOM HEATERS WITHOUT FLUE | 1 229 | 22 | 17 | 11 | 4 | 5 | 3 | 7 | 2 | 3 | 1 155 | 185 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 1 078 | 63 | 135 | 80 | 55 | 25 | 10 | 6 | 11 | 13 | 681 | 201 |
| NONE | 51 | - | - | - | - | - | - | - | - | - | 51 | - |
| PERSONS | | | | | | | | | | | | |
| 1 PERSON | 2 136 | 57 | 80 | 46 | 48 | 40 | 29 | 36 | 33 | 68 | 1 698 | 374 |
| 2 PERSONS | 4 660 | 169 | 187 | 99 | 94 | 57 | 63 | 98 | 44 | 153 | 3 696 | 329 |
| 3 PERSONS | 2 783 | 117 | 113 | 61 | 31 | 35 | 49 | 34 | 14 | 78 | 2 251 | 259 |
| 4 PERSONS | 2 914 | 131 | 145 | 55 | 46 | 39 | 38 | 35 | 22 | 86 | 2 315 | 240 |
| 5 PERSONS | 1 289 | 62 | 49 | 16 | 26 | 15 | 5 | 14 | 12 | 33 | 1 056 | 233 |
| 6 PERSONS | 502 | 18 | 10 | 5 | 14 | 3 | 7 | 2 | 5 | 18 | 419 | 353 |
| 7 PERSONS OR MORE | 343 | 11 | 6 | 10 | 11 | 5 | 5 | 3 | 2 | 8 | 282 | 334 |
| MEDIAN | 2.7 | 3.0 | 2.8 | 2.5 | 2.4 | 2.5 | 2.6 | 2.3 | 2.2 | 2.5 | 2.7 | ... |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 11 952 | 474 | 451 | 191 | 173 | 138 | 126 | 162 | 69 | 333 | 9 834 | 269 |
| ROOM UNITS | 5 125 | 125 | 163 | 101 | 85 | 89 | 63 | 94 | 46 | 196 | 4 163 | 408 |
| 1 | 2 825 | 66 | 94 | 65 | 56 | 71 | 45 | 51 | 19 | 97 | 2 261 | 401 |
| 2 | 1 604 | 37 | 49 | 27 | 17 | 18 | 14 | 29 | 14 | 63 | 1 337 | 425 |
| 3 | 496 | 13 | 13 | 9 | 11 | - | 2 | 10 | 11 | 19 | 409 | 380 |
| 4 | 142 | 2 | 6 | - | - | - | - | 4 | 2 | 16 | 114 | ... |
| 5 OR MORE | 57 | 8 | 2 | - | 1 | - | 2 | - | - | 2 | 43 | ... |
| CENTRAL SYSTEM | 6 827 | 350 | 288 | 90 | 87 | 49 | 64 | 68 | 23 | 137 | 5 671 | 178 |
| WITH NO AIR CONDITIONING | 2 673 | 90 | 139 | 101 | 97 | 58 | 69 | 61 | 64 | 112 | 1 883 | 366 |
| SPECIFIED RENTER OCCUPIED[3] | 8 613 | 161 | 117 | 103 | 85 | 78 | 75 | 80 | 40 | 96 | 7 777 | 343 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OIL, COAL, KEROSENE, WOOD, ETC. | 1 080 | 57 | 71 | 69 | 62 | 64 | 62 | 73 | 35 | 90 | 496 | 450 |
| FUEL OIL | 729 | 25 | 30 | 22 | 42 | 49 | 52 | 59 | 33 | 72 | 345 | 545 |
| COAL OR COKE | 29 | 2 | 5 | 5 | 5 | - | - | 4 | - | 2 | 7 | ... |
| KEROSENE, ETC | 61 | 3 | 5 | 5 | 3 | 9 | 6 | 9 | 2 | 10 | 9 | 515 |
| WOOD | 261 | 27 | 31 | 37 | 12 | 7 | 3 | 2 | - | 7 | 135 | 212 |
| OTHER THAN OIL, COAL, KEROSENE, WOOD, ETC | 7 408 | 102 | 46 | 34 | 22 | 14 | 13 | 7 | 5 | 7 | 7 158 | 149 |
| UTILITY GAS | 4 042 | 53 | 26 | 14 | 14 | 3 | 9 | 5 | 3 | 5 | 3 908 | 151 |
| BOTTLED, TANK, OR LP GAS | 406 | 9 | 6 | 9 | 3 | 9 | 2 | - | 1 | - | 367 | 252 |
| ELECTRICITY | 2 958 | 40 | 14 | 11 | 5 | 1 | 3 | 1 | - | 2 | 2 881 | 100- |
| SOLAR HEAT | - | - | - | - | - | - | - | - | - | - | - | - |
| OTHER FUEL | 2 | - | - | - | - | - | - | - | - | - | 2 | - |
| NONE | 125 | 2 | - | - | - | - | - | - | - | - | 123 | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 3 943 | 55 | 20 | 8 | 19 | 37 | 32 | 36 | 22 | 34 | 3 680 | 480 |
| HEAT PUMP | 306 | 8 | 2 | 3 | 1 | - | - | - | - | - | 292 | ... |
| STEAM OR HOT WATER | 466 | 4 | - | 3 | 3 | - | 3 | 7 | 6 | 28 | 410 | 800+ |
| BUILT-IN ELECTRIC UNITS | 703 | 3 | 3 | 5 | 2 | - | 1 | - | - | 2 | 687 | ... |
| FLOOR, WALL, OR PIPELESS FURNACE | 692 | 8 | 5 | 5 | 5 | 6 | 3 | 2 | 3 | 7 | 647 | 369 |
| ROOM HEATERS WITH FLUE | 712 | 14 | 26 | 9 | 25 | 20 | 28 | 26 | 7 | 12 | 545 | 447 |
| ROOM HEATERS WITHOUT FLUE | 1 058 | 17 | 7 | 11 | 5 | 4 | - | 2 | 1 | - | 1 011 | 193 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 608 | 50 | 54 | 60 | 24 | 12 | 7 | 7 | - | 14 | 381 | 217 |
| NONE | 125 | 2 | - | - | - | - | - | - | - | - | 123 | ... |
| PERSONS | | | | | | | | | | | | |
| 1 PERSON | 2 817 | 27 | 27 | 31 | 26 | 13 | 19 | 20 | 10 | 19 | 2 626 | 345 |
| 2 PERSONS | 2 441 | 60 | 25 | 17 | 28 | 25 | 13 | 23 | 6 | 23 | 2 219 | 330 |
| 3 PERSONS | 1 410 | 31 | 30 | 17 | 13 | 17 | 17 | 7 | 7 | 27 | 1 243 | 338 |
| 4 PERSONS | 1 057 | 24 | 23 | 22 | 12 | 10 | 15 | 24 | 10 | 15 | 903 | 368 |
| 5 PERSONS | 485 | 13 | 8 | 7 | 3 | 5 | 7 | 2 | 3 | 8 | 429 | 299 |
| 6 PERSONS | 209 | 1 | 2 | 9 | 2 | 4 | 2 | 4 | 3 | - | 183 | ... |
| 7 PERSONS OR MORE | 194 | 5 | 2 | 1 | 1 | 4 | 2 | - | - | 5 | 174 | ... |
| MEDIAN | 2.1 | 2.4 | 2.7 | 2.7 | 2.1 | 2.5 | 2.8 | 2.3 | 2.9 | 2.7 | 2.1 | ... |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 6 033 | 86 | 48 | 29 | 40 | 42 | 35 | 32 | 13 | 47 | 5 662 | 356 |
| ROOM UNITS | 2 666 | 40 | 33 | 24 | 36 | 31 | 32 | 25 | 9 | 41 | 2 395 | 410 |
| 1 | 1 989 | 27 | 18 | 20 | 32 | 28 | 29 | 17 | 6 | 27 | 1 784 | 417 |
| 2 | 572 | 11 | 10 | 3 | 3 | 2 | 3 | 5 | 3 | 11 | 521 | 323 |
| 3 | 84 | 2 | 2 | - | - | 2 | - | 2 | - | 3 | 74 | ... |
| 4 | 13 | - | 2 | - | - | - | - | 2 | - | - | 10 | ... |
| 5 OR MORE | 8 | - | 2 | - | - | - | - | - | - | - | 7 | ... |
| CENTRAL SYSTEM | 3 367 | 45 | 15 | 5 | 5 | 11 | 3 | 7 | 3 | 6 | 3 267 | 131 |
| WITH NO AIR CONDITIONING | 2 580 | 76 | 69 | 75 | 44 | 36 | 41 | 48 | 27 | 50 | 2 115 | 330 |

[1]RENTER HOUSEHOLDS WITH THESE FUEL COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY. [3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE D-11. HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK, BY DISTANCE AND TRAVEL TIME TO WORK: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| SOUTH REGION | TOTAL | HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | DRIVES SELF | CARPOOL | MASS TRANS-PORTATION | BICYCLE, MOTOR-CYCLE, OR MOPED | TAXICAB | WALKS ONLY | OTHER MEANS | WORKS AT HOME |
| HOUSING UNITS WITH EMPLOYED HOUSEHOLDERS[1] | 18 705 | 13 226 | 3 741 | 479 | 194 | 36 | 571 | 75 | 384 |
| DISTANCE FROM HOME TO WORK | | | | | | | | | |
| OWNER OCCUPIED | 12 427 | 9 177 | 2 417 | 160 | 91 | 5 | 228 | 58 | 290 |
| LESS THAN 1 MILE | 771 | 466 | 84 | 4 | 9 | 2 | 202 | 3 | - |
| 1 TO 4 MILES | 2 373 | 1 993 | 282 | 38 | 29 | - | 19 | 13 | - |
| 5 TO 9 MILES | 2 486 | 1 985 | 413 | 56 | 15 | - | - | 16 | - |
| 10 TO 19 MILES | 2 750 | 2 101 | 591 | 36 | 22 | - | - | - | - |
| 20 TO 29 MILES | 1 173 | 784 | 372 | 12 | 4 | - | - | - | - |
| 30 TO 49 MILES | 712 | 399 | 304 | 1 | 7 | - | - | - | - |
| 50 MILES OR MORE | 279 | 139 | 134 | 3 | 2 | - | - | - | - |
| WORKS AT HOME | 290 | - | - | - | - | - | - | - | 290 |
| NO FIXED PLACE OF WORK | 1 594 | 1 309 | 236 | 9 | 4 | 3 | 7 | 26 | - |
| MEDIAN | 9.3 | 8.7 | 15.3 | 8.0 | 6.8 | ... | 1.0- | ... | - |
| RENTER OCCUPIED | 6 279 | 4 048 | 1 324 | 319 | 102 | 31 | 343 | 17 | 93 |
| LESS THAN 1 MILE | 643 | 261 | 61 | 5 | 14 | - | 295 | 7 | - |
| 1 TO 4 MILES | 1 590 | 1 096 | 305 | 94 | 37 | 20 | 36 | 2 | - |
| 5 TO 9 MILES | 1 291 | 897 | 259 | 106 | 25 | 5 | - | - | - |
| 10 TO 19 MILES | 1 261 | 880 | 297 | 69 | 14 | - | - | - | - |
| 20 TO 29 MILES | 375 | 251 | 106 | 12 | 5 | 1 | - | - | - |
| 30 TO 49 MILES | 196 | 99 | 91 | 5 | 2 | - | - | - | - |
| 50 MILES OR MORE | 98 | 35 | 61 | - | 2 | - | - | - | - |
| WORKS AT HOME | 93 | - | - | - | - | - | - | - | 93 |
| NO FIXED PLACE OF WORK | 730 | 529 | 144 | 28 | 3 | 5 | 12 | 8 | - |
| MEDIAN | 6.9 | 7.2 | 9.3 | 7.2 | 4.8 | ... | 1.0- | ... | - |
| TRAVEL TIME FROM HOME TO WORK | | | | | | | | | |
| OWNER OCCUPIED | 12 427 | 9 177 | 2 417 | 160 | 91 | 5 | 228 | 58 | 290 |
| LESS THAN 15 MINUTES | 3 497 | 2 844 | 417 | 9 | 29 | 2 | 188 | 9 | - |
| 15 TO 29 MINUTES | 4 082 | 3 246 | 747 | 20 | 41 | - | 23 | 4 | - |
| 30 TO 44 MINUTES | 1 766 | 1 155 | 539 | 52 | 7 | - | 9 | 4 | - |
| 45 TO 59 MINUTES | 645 | 382 | 228 | 23 | 5 | - | - | 7 | - |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 401 | 167 | 187 | 34 | 5 | - | - | 7 | - |
| 1 HOUR AND 30 MINUTES OR MORE | 151 | 74 | 64 | 12 | - | - | - | 2 | - |
| WORKS AT HOME | 290 | - | - | - | - | - | - | - | 290 |
| NO FIXED PLACE OF WORK | 1 594 | 1 309 | 236 | 9 | 4 | 3 | 7 | 26 | - |
| MEDIAN | 21.5 | 20.0 | 28.5 | 43.2 | 20.3 | ... | 15.0- | ... | - |
| RENTER OCCUPIED | 6 279 | 4 048 | 1 324 | 319 | 102 | 31 | 343 | 17 | 93 |
| LESS THAN 15 MINUTES | 2 169 | 1 494 | 341 | 19 | 39 | 20 | 249 | 8 | - |
| 15 TO 29 MINUTES | 2 025 | 1 392 | 455 | 67 | 39 | 5 | 67 | - | - |
| 30 TO 44 MINUTES | 795 | 452 | 220 | 94 | 17 | - | 10 | 2 | - |
| 45 TO 59 MINUTES | 233 | 114 | 76 | 39 | 2 | - | 3 | - | - |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 173 | 48 | 65 | 55 | 3 | - | 2 | - | - |
| 1 HOUR AND 30 MINUTES OR MORE | 60 | 19 | 23 | 16 | - | 1 | - | - | - |
| WORKS AT HOME | 93 | - | - | - | - | - | - | - | 93 |
| NO FIXED PLACE OF WORK | 730 | 529 | 144 | 28 | 3 | 5 | 12 | 8 | - |
| MEDIAN | 19.1 | 17.9 | 23.2 | 39.4 | 19.2 | ... | 15.0- | ... | - |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE E-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 12 847 | 5 296 | 7 551 | 3 483 |
| HOUSE HEATING FUEL | | | | | |
| OWNER OCCUPIED | 9 765 | 7 418 | 2 677 | 4 740 | 2 348 |
| UTILITY GAS | 6 714 | 5 646 | 2 166 | 3 480 | 1 068 |
| BOTTLED, TANK, OR LP GAS | 293 | 137 | 10 | 127 | 156 |
| FUEL OIL | 436 | 279 | 118 | 161 | 157 |
| KEROSENE, ETC | 1 | 1 | - | 1 | - |
| ELECTRICITY | 1 865 | 1 104 | 304 | 799 | 761 |
| COAL OR COKE | 10 | 1 | - | 1 | 8 |
| WOOD | 279 | 90 | 19 | 71 | 189 |
| SOLAR HEAT | 7 | 7 | - | 7 | - |
| OTHER FUEL | 2 | - | - | - | 2 |
| NONE | 158 | 151 | 60 | 92 | 6 |
| RENTER OCCUPIED | 6 564 | 5 429 | 2 619 | 2 810 | 1 135 |
| UTILITY GAS | 4 002 | 3 458 | 1 693 | 1 765 | 544 |
| BOTTLED, TANK, OR LP GAS | 93 | 53 | 3 | 50 | 40 |
| FUEL OIL | 180 | 138 | 94 | 44 | 42 |
| KEROSENE, ETC | 2 | 2 | - | 2 | - |
| ELECTRICITY | 1 905 | 1 491 | 697 | 794 | 414 |
| COAL OR COKE | 8 | 1 | - | 1 | 7 |
| WOOD | 111 | 44 | 12 | 33 | 67 |
| SOLAR HEAT | 5 | 3 | 2 | 1 | 2 |
| OTHER FUEL | 27 | 24 | 22 | 2 | 3 |
| NONE | 231 | 214 | 96 | 118 | 16 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 6 220 | 2 362 | 3 858 | 1 660 |
| ELECTRICITY PAID FOR | 7 872 | 6 217 | 2 362 | 3 855 | 1 655 |
| LESS THAN $10 | 107 | 91 | 50 | 42 | 16 |
| $10 TO $19 | 1 053 | 852 | 346 | 506 | 201 |
| $20 TO $29 | 1 757 | 1 394 | 576 | 818 | 363 |
| $30 TO $39 | 1 562 | 1 204 | 447 | 758 | 358 |
| $40 TO $49 | 949 | 753 | 255 | 498 | 196 |
| $50 TO $59 | 800 | 622 | 212 | 410 | 178 |
| $60 TO $79 | 826 | 670 | 250 | 419 | 156 |
| $80 TO $99 | 322 | 242 | 84 | 159 | 79 |
| $100 TO $149 | 336 | 266 | 100 | 166 | 70 |
| $150 OR MORE | 160 | 123 | 43 | 80 | 37 |
| MEDIAN | 36 | 36 | 34 | 37 | 36 |
| NO ELECTRICITY USED | 8 | 3 | - | 3 | 5 |
| SPECIFIED RENTER OCCUPIED[2] | 6 477 | 5 397 | 2 619 | 2 779 | 1 080 |
| ELECTRICITY PAID FOR | 5 251 | 4 408 | 2 068 | 2 340 | 843 |
| LESS THAN $10 | 663 | 607 | 301 | 306 | 56 |
| $10 TO $19 | 1 622 | 1 426 | 691 | 734 | 196 |
| $20 TO $29 | 1 214 | 988 | 457 | 531 | 226 |
| $30 TO $39 | 709 | 572 | 264 | 308 | 137 |
| $40 TO $49 | 392 | 294 | 125 | 168 | 98 |
| $50 TO $59 | 268 | 182 | 84 | 98 | 85 |
| $60 TO $79 | 199 | 175 | 85 | 90 | 24 |
| $80 TO $99 | 66 | 53 | 15 | 38 | 13 |
| $100 TO $149 | 74 | 71 | 31 | 40 | 3 |
| $150 OR MORE | 44 | 39 | 14 | 26 | 5 |
| MEDIAN | 23 | 22 | 21 | 22 | 27 |
| INCLUDED IN RENT | 1 198 | 969 | 541 | 428 | 229 |
| NO ELECTRICITY USED | 28 | 20 | 10 | 10 | 8 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 6 220 | 2 362 | 3 858 | 1 660 |
| GAS PAID FOR | 6 312 | 5 300 | 2 081 | 3 219 | 1 012 |
| LESS THAN $10 | 415 | 359 | 147 | 213 | 56 |
| $10 TO $14 | 763 | 682 | 256 | 427 | 80 |
| $15 TO $19 | 891 | 787 | 301 | 486 | 104 |
| $20 TO $24 | 1 005 | 860 | 319 | 541 | 145 |
| $25 TO $29 | 728 | 602 | 216 | 387 | 126 |
| $30 TO $39 | 1 108 | 924 | 394 | 530 | 185 |
| $40 TO $49 | 615 | 475 | 203 | 272 | 140 |
| $50 TO $69 | 549 | 420 | 174 | 246 | 128 |
| $70 TO $99 | 165 | 132 | 56 | 77 | 32 |
| $100 OR MORE | 74 | 59 | 17 | 41 | 16 |
| MEDIAN | 25 | 24 | 25 | 24 | 29 |
| NO GAS USED | 1 569 | 921 | 281 | 640 | 648 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE E-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 5 397 | 2 619 | 2 779 | 1 080 |
| GAS PAID FOR | 3 433 | 2 997 | 1 460 | 1 537 | 436 |
| LESS THAN $10 | 966 | 896 | 439 | 458 | 70 |
| $10 TO $14 | 793 | 721 | 339 | 383 | 72 |
| $15 TO $19 | 518 | 455 | 212 | 242 | 63 |
| $20 TO $24 | 352 | 303 | 162 | 141 | 49 |
| $25 TO $29 | 240 | 192 | 97 | 95 | 48 |
| $30 TO $39 | 274 | 217 | 116 | 101 | 57 |
| $40 TO $49 | 113 | 83 | 37 | 46 | 29 |
| $50 TO $69 | 125 | 93 | 46 | 47 | 31 |
| $70 TO $99 | 32 | 18 | 9 | 9 | 15 |
| $100 OR MORE | 20 | 18 | 3 | 15 | 2 |
| MEDIAN | 14 | 13 | 13 | 13 | 21 |
| INCLUDED IN RENT | 1 322 | 1 073 | 555 | 518 | 249 |
| NO GAS USED | 1 722 | 1 327 | 603 | 724 | 395 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 7 881 | 6 220 | 2 362 | 3 858 | 1 660 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 1 223 | 843 | 313 | 530 | 380 |
| LESS THAN $100 | 337 | 239 | 79 | 160 | 98 |
| $100 TO $199 | 350 | 242 | 99 | 143 | 109 |
| $200 TO $299 | 151 | 83 | 29 | 54 | 68 |
| $300 TO $399 | 83 | 50 | 20 | 30 | 33 |
| $400 TO $499 | 76 | 59 | 28 | 30 | 17 |
| $500 TO $599 | 61 | 48 | 21 | 27 | 14 |
| $600 TO $699 | 49 | 37 | 5 | 31 | 12 |
| $700 TO $799 | 25 | 20 | 10 | 11 | 5 |
| $800 OR MORE | 91 | 66 | 22 | 43 | 25 |
| MEDIAN | 178 | 175 | 178 | 173 | 184 |
| FUELS NOT USED OR FREE | 6 658 | 5 378 | 2 049 | 3 329 | 1 280 |
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 5 397 | 2 619 | 2 779 | 1 080 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 282 | 182 | 83 | 99 | 100 |
| LESS THAN $100 | 84 | 53 | 26 | 26 | 31 |
| $100 TO $199 | 82 | 52 | 18 | 34 | 31 |
| $200 TO $299 | 26 | 19 | 10 | 9 | 7 |
| $300 TO $399 | 27 | 17 | 7 | 10 | 10 |
| $400 TO $499 | 24 | 13 | 2 | 12 | 11 |
| $500 TO $599 | 3 | 3 | 3 | - | - |
| $600 TO $699 | 10 | 8 | 3 | 5 | 2 |
| $700 TO $799 | - | - | - | - | - |
| $800 OR MORE | 26 | 17 | 13 | 4 | 9 |
| MEDIAN | 169 | 173 | 183 | 168 | 161 |
| INCLUDED IN RENT | 356 | 273 | 151 | 122 | 83 |
| FUELS NOT USED OR FREE | 5 840 | 4 943 | 2 385 | 2 558 | 897 |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 12 847 | 5 296 | 7 551 | 3 483 |
| HEATING EQUIPMENT | | | | | |
| OWNER OCCUPIED | 9 765 | 7 418 | 2 677 | 4 740 | 2 348 |
| WARM-AIR FURNACE | 6 114 | 4 918 | 1 790 | 3 127 | 1 197 |
| HEAT PUMP | 253 | 194 | 42 | 151 | 60 |
| STEAM OR HOT WATER | 212 | 107 | 43 | 63 | 105 |
| BUILT-IN ELECTRIC UNITS | 683 | 361 | 110 | 251 | 322 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 448 | 1 294 | 531 | 763 | 154 |
| ROOM HEATERS WITH FLUE | 244 | 140 | 51 | 89 | 104 |
| ROOM HEATERS WITHOUT FLUE | 47 | 23 | 9 | 14 | 24 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 606 | 230 | 41 | 189 | 376 |
| NONE | 158 | 151 | 60 | 92 | 6 |
| RENTER OCCUPIED | 6 564 | 5 429 | 2 619 | 2 810 | 1 135 |
| WARM-AIR FURNACE | 1 961 | 1 596 | 714 | 882 | 366 |
| HEAT PUMP | 48 | 45 | 16 | 29 | 3 |
| STEAM OR HOT WATER | 352 | 273 | 231 | 42 | 79 |
| BUILT-IN ELECTRIC UNITS | 1 292 | 997 | 470 | 527 | 295 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 055 | 1 909 | 936 | 973 | 146 |
| ROOM HEATERS WITH FLUE | 305 | 220 | 84 | 136 | 85 |
| ROOM HEATERS WITHOUT FLUE | 67 | 42 | 15 | 27 | 25 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 254 | 133 | 57 | 76 | 120 |
| NONE | 231 | 214 | 96 | 118 | 16 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE E-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 12 847 | 5 296 | 7 551 | 3 483 |
| UNITS OCCUPIED LAST WINTER | 13 231 | 10 426 | 4 252 | 6 174 | 2 805 |
| INSUFFICIENT HEAT | | | | | |
| CLOSURE OF ROOMS: | | | | | |
| OWNER OCCUPIED | 9 138 | 6 960 | 2 543 | 4 417 | 2 178 |
| WITH HEATING EQUIPMENT | 8 987 | 6 813 | 2 485 | 4 329 | 2 174 |
| NO ROOMS CLOSED | 8 688 | 6 607 | 2 407 | 4 200 | 2 081 |
| CLOSED CERTAIN ROOMS | 170 | 123 | 36 | 87 | 47 |
| LIVING ROOM ONLY | - | - | - | - | - |
| DINING ROOM ONLY | 4 | 4 | - | 4 | - |
| 1 OR MORE BEDROOMS ONLY | 114 | 78 | 17 | 61 | 36 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 45 | 33 | 16 | 18 | 12 |
| NOT REPORTED | 8 | 8 | 4 | 4 | - |
| NOT REPORTED | 129 | 83 | 41 | 42 | 46 |
| NO HEATING EQUIPMENT | 151 | 146 | 58 | 88 | 5 |
| RENTER OCCUPIED | 4 093 | 3 466 | 1 710 | 1 756 | 627 |
| WITH HEATING EQUIPMENT | 3 920 | 3 309 | 1 637 | 1 672 | 610 |
| NO ROOMS CLOSED | 3 708 | 3 139 | 1 557 | 1 583 | 569 |
| CLOSED CERTAIN ROOMS | 114 | 84 | 38 | 46 | 30 |
| LIVING ROOM ONLY | 5 | 5 | 5 | - | - |
| DINING ROOM ONLY | 2 | 2 | 2 | - | - |
| 1 OR MORE BEDROOMS ONLY | 80 | 55 | 21 | 34 | 25 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 24 | 19 | 7 | 12 | 5 |
| NOT REPORTED | 3 | 3 | 3 | - | - |
| NOT REPORTED | 98 | 86 | 42 | 44 | 12 |
| NO HEATING EQUIPMENT | 173 | 157 | 72 | 84 | 16 |
| ADDITIONAL HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 9 138 | 6 960 | 2 543 | 4 417 | 2 178 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 6 572 | 2 436 | 4 136 | 1 795 |
| NO ADDITIONAL HEAT SOURCE USED | 7 767 | 6 111 | 2 273 | 3 838 | 1 656 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 445 | 338 | 120 | 218 | 107 |
| NOT REPORTED | 155 | 123 | 44 | 80 | 32 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 387 | 106 | 281 | 384 |
| RENTER OCCUPIED | 4 093 | 3 466 | 1 710 | 1 756 | 627 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 3 188 | 1 587 | 1 600 | 511 |
| NO ADDITIONAL HEAT SOURCE USED | 3 272 | 2 820 | 1 402 | 1 417 | 453 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 334 | 285 | 154 | 130 | 50 |
| NOT REPORTED | 92 | 83 | 31 | 52 | 8 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 278 | 122 | 156 | 116 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 9 138 | 6 960 | 2 543 | 4 417 | 2 178 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 6 572 | 2 436 | 4 136 | 1 795 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 6 254 | 4 879 | 1 770 | 3 109 | 1 375 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 958 | 1 568 | 621 | 947 | 389 |
| 1 ROOM | 533 | 409 | 163 | 246 | 125 |
| 2 ROOMS | 572 | 468 | 197 | 271 | 105 |
| 3 ROOMS OR MORE | 852 | 692 | 262 | 430 | 160 |
| NOT REPORTED | 155 | 125 | 46 | 80 | 30 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 387 | 106 | 281 | 384 |
| RENTER OCCUPIED | 4 093 | 3 466 | 1 710 | 1 756 | 627 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 3 188 | 1 587 | 1 600 | 511 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 208 | 1 854 | 950 | 905 | 354 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 397 | 1 250 | 601 | 649 | 147 |
| 1 ROOM | 478 | 434 | 235 | 200 | 44 |
| 2 ROOMS | 564 | 508 | 219 | 289 | 55 |
| 3 ROOMS OR MORE | 355 | 307 | 148 | 160 | 48 |
| NOT REPORTED | 93 | 83 | 36 | 47 | 10 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 278 | 122 | 156 | 116 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | |
| OWNER OCCUPIED | 9 138 | 6 960 | 2 543 | 4 417 | 2 178 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 6 572 | 2 436 | 4 136 | 1 795 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 387 | 106 | 261 | 384 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 639 | 319 | 81 | 237 | 320 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 56 | 27 | 10 | 17 | 29 |
| NOT REPORTED | 76 | 41 | 15 | 27 | 35 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE E-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD--CONTINUED | | | | | |
| RENTER OCCUPIED | 4 093 | 3 466 | 1 710 | 1 756 | 627 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 3 188 | 1 587 | 1 600 | 511 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 278 | 122 | 156 | 116 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 299 | 211 | 88 | 123 | 88 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 55 | 38 | 17 | 21 | 18 |
| NOT REPORTED | 40 | 30 | 17 | 13 | 10 |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 12 847 | 5 296 | 7 551 | 3 483 |
| AIR CONDITIONING | | | | | |
| OWNER OCCUPIED | 9 765 | 7 418 | 2 677 | 4 740 | 2 348 |
| WITH AIR CONDITIONING | 3 769 | 2 946 | 1 037 | 1 909 | 822 |
| ROOM UNITS | 1 228 | 853 | 302 | 551 | 375 |
| 1 | 938 | 651 | 218 | 433 | 288 |
| 2 | 235 | 154 | 64 | 90 | 81 |
| 3 | 43 | 38 | 16 | 22 | 5 |
| 4 | 11 | 9 | 4 | 6 | 2 |
| 5 OR MORE | 2 | 2 | - | 2 | - |
| CENTRAL SYSTEM | 2 540 | 2 093 | 735 | 1 358 | 447 |
| WITH NO AIR CONDITIONING | 5 997 | 4 471 | 1 640 | 2 831 | 1 525 |
| RENTER OCCUPIED | 6 564 | 5 429 | 2 619 | 2 810 | 1 135 |
| WITH AIR CONDITIONING | 2 076 | 1 761 | 806 | 955 | 315 |
| ROOM UNITS | 1 076 | 921 | 426 | 495 | 154 |
| 1 | 973 | 837 | 388 | 449 | 136 |
| 2 | 82 | 67 | 30 | 37 | 15 |
| 3 | 17 | 14 | 7 | 7 | 3 |
| 4 | 4 | 4 | 2 | 2 | - |
| 5 OR MORE | - | - | - | - | - |
| CENTRAL SYSTEM | 1 000 | 840 | 379 | 460 | 161 |
| WITH NO AIR CONDITIONING | 4 488 | 3 668 | 1 813 | 1 855 | 820 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | |
| OWNER OCCUPIED | 6 674 | 5 185 | 1 828 | 3 358 | 1 489 |
| DRIVES SELF | 5 114 | 4 017 | 1 427 | 2 590 | 1 096 |
| CARPOOL | 961 | 748 | 224 | 524 | 213 |
| MASS TRANSPORTATION | 187 | 181 | 85 | 96 | 6 |
| BICYCLE, MOTORCYCLE, OR MOPED | 117 | 95 | 38 | 57 | 23 |
| TAXICAB | - | - | - | - | - |
| WALKS ONLY | 98 | 64 | 24 | 40 | 35 |
| OTHER MEANS | 16 | 9 | 4 | 5 | 7 |
| WORKS AT HOME | 180 | 71 | 24 | 47 | 109 |
| RENTER OCCUPIED | 4 428 | 3 659 | 1 661 | 1 998 | 769 |
| DRIVES SELF | 2 860 | 2 358 | 991 | 1 367 | 502 |
| CARPOOL | 704 | 569 | 240 | 329 | 136 |
| MASS TRANSPORTATION | 365 | 349 | 251 | 98 | 16 |
| BICYCLE, MOTORCYCLE, OR MOPED | 128 | 106 | 47 | 59 | 23 |
| TAXICAB | - | - | - | - | - |
| WALKS ONLY | 263 | 210 | 102 | 108 | 52 |
| OTHER MEANS | 12 | 7 | 3 | 4 | 5 |
| WORKS AT HOME | 96 | 60 | 27 | 32 | 37 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[2] | | | | | |
| OWNER OCCUPIED | 6 674 | 5 185 | 1 828 | 3 358 | 1 489 |
| HOUSEHOLDER DRIVES ALONE | 5 114 | 4 017 | 1 427 | 2 590 | 1 096 |
| IRREGULAR OR UNUSUAL WORK HOURS | 1 856 | 1 458 | 490 | 968 | 398 |
| IRREGULAR WORK LOCATION | 372 | 307 | 105 | 202 | 64 |
| CAR NEEDED FOR WORK OR ERRANDS | 1 025 | 809 | 330 | 479 | 216 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 894 | 670 | 261 | 409 | 224 |
| LIKES PRIVACY | 230 | 194 | 78 | 115 | 36 |
| OUT OF THE WAY TO PICK UP OTHERS | 229 | 193 | 57 | 136 | 35 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 47 | 39 | 11 | 28 | 8 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 133 | 98 | 31 | 67 | 35 |
| DOESN'T TRUST OTHERS DRIVING | 7 | 5 | - | 5 | 2 |
| SOME OTHER REASON | 297 | 222 | 60 | 161 | 76 |
| NOT REPORTED | 25 | 24 | 4 | 20 | 2 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 1 560 | 1 168 | 400 | 768 | 392 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE E-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1]--CON. | | | | | |
| RENTER OCCUPIED | 4 428 | 3 659 | 1 661 | 1 998 | 769 |
| HOUSEHOLDER DRIVES ALONE | 2 860 | 2 358 | 991 | 1 367 | 502 |
| IRREGULAR OR UNUSUAL WORK HOURS | 972 | 798 | 311 | 486 | 175 |
| IRREGULAR WORK LOCATION | 164 | 137 | 60 | 77 | 27 |
| CAR NEEDED FOR WORK OR ERRANDS | 431 | 366 | 164 | 203 | 64 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 682 | 555 | 239 | 317 | 126 |
| LIKES PRIVACY | 167 | 144 | 61 | 83 | 23 |
| OUT OF THE WAY TO PICK UP OTHERS | 126 | 104 | 41 | 64 | 21 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 30 | 29 | 13 | 16 | 2 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 86 | 66 | 24 | 43 | 20 |
| DOESN'T TRUST OTHERS DRIVING | 10 | 10 | 5 | 5 | - |
| SOME OTHER REASON | 170 | 131 | 66 | 65 | 39 |
| NOT REPORTED | 22 | 17 | 8 | 9 | 5 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 1 568 | 1 301 | 670 | 631 | 268 |
| DISTANCE FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 6 674 | 5 185 | 1 828 | 3 358 | 1 489 |
| LESS THAN 1 MILE | 337 | 191 | 61 | 129 | 147 |
| 1 TO 4 MILES | 1 278 | 813 | 366 | 447 | 465 |
| 5 TO 9 MILES | 1 344 | 1 092 | 467 | 625 | 252 |
| 10 TO 19 MILES | 1 470 | 1 308 | 404 | 904 | 162 |
| 20 TO 29 MILES | 563 | 510 | 129 | 381 | 53 |
| 30 TO 49 MILES | 379 | 321 | 77 | 244 | 58 |
| 50 MILES OR MORE | 128 | 97 | 27 | 70 | 31 |
| WORKS AT HOME | 180 | 71 | 24 | 47 | 109 |
| NO FIXED PLACE OF WORK | 995 | 783 | 272 | 511 | 212 |
| MEDIAN | 9.2 | 10.5 | 8.6 | 12.2 | 4.8 |
| RENTER OCCUPIED | 4 428 | 3 659 | 1 661 | 1 998 | 769 |
| LESS THAN 1 MILE | 413 | 297 | 130 | 167 | 116 |
| 1 TO 4 MILES | 1 149 | 882 | 453 | 429 | 267 |
| 5 TO 9 MILES | 933 | 821 | 412 | 409 | 112 |
| 10 TO 19 MILES | 903 | 822 | 330 | 493 | 81 |
| 20 TO 29 MILES | 274 | 248 | 101 | 147 | 26 |
| 30 TO 49 MILES | 161 | 125 | 42 | 83 | 36 |
| 50 MILES OR MORE | 47 | 32 | 7 | 25 | 15 |
| WORKS AT HOME | 96 | 60 | 27 | 32 | 37 |
| NO FIXED PLACE OF WORK | 451 | 372 | 158 | 214 | 80 |
| MEDIAN | 7.0 | 7.6 | 6.9 | 8.4 | 4.1 |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 6 674 | 5 185 | 1 828 | 3 358 | 1 489 |
| LESS THAN 15 MINUTES | 1 919 | 1 254 | 499 | 754 | 666 |
| 15 TO 29 MINUTES | 2 033 | 1 706 | 638 | 1 068 | 327 |
| 30 TO 44 MINUTES | 927 | 836 | 249 | 587 | 91 |
| 45 TO 59 MINUTES | 343 | 306 | 86 | 220 | 37 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 212 | 177 | 38 | 138 | 36 |
| 1 HOUR AND 30 MINUTES OR MORE | 64 | 54 | 21 | 33 | 10 |
| WORKS AT HOME | 180 | 71 | 24 | 47 | 109 |
| NO FIXED PLACE OF WORK | 995 | 783 | 272 | 511 | 212 |
| MEDIAN | 21.1 | 23.0 | 21.3 | 24.1 | 15.0- |
| RENTER OCCUPIED | 4 428 | 3 659 | 1 661 | 1 998 | 769 |
| LESS THAN 15 MINUTES | 1 484 | 1 116 | 493 | 623 | 367 |
| 15 TO 29 MINUTES | 1 526 | 1 335 | 635 | 700 | 191 |
| 30 TO 44 MINUTES | 526 | 485 | 218 | 267 | 41 |
| 45 TO 59 MINUTES | 187 | 158 | 76 | 82 | 29 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 119 | 101 | 39 | 62 | 18 |
| 1 HOUR AND 30 MINUTES OR MORE | 39 | 32 | 15 | 18 | 6 |
| WORKS AT HOME | 96 | 60 | 27 | 32 | 37 |
| NO FIXED PLACE OF WORK | 451 | 372 | 158 | 214 | 80 |
| MEDIAN | 19.5 | 20.6 | 20.8 | 20.4 | 15.0- |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE E-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 16 329 | 688 | 2 109 | 1 468 | 2 456 | 1 951 | 1 762 | 2 600 | 1 900 | 1 004 | 391 | 18700 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OWNER OCCUPIED | 9 765 | 270 | 766 | 607 | 1 080 | 1 077 | 1 107 | 1 934 | 1 650 | 916 | 358 | 24900 |
| UTILITY GAS | 6 714 | 150 | 518 | 414 | 729 | 692 | 724 | 1 312 | 1 209 | 696 | 273 | 26000 |
| BOTTLED, TANK, OR LP GAS | 293 | 23 | 18 | 44 | 52 | 51 | 22 | 48 | 10 | 19 | 6 | 16000 |
| FUEL OIL | 836 | 12 | 45 | 25 | 64 | 33 | 46 | 78 | 81 | 34 | 18 | 24300 |
| KEROSENE, ETC | 1 | - | 1 | - | - | - | - | - | - | - | - | ... |
| ELECTRICITY | 1 865 | 64 | 146 | 92 | 186 | 244 | 249 | 415 | 286 | 132 | 50 | 24000 |
| COAL OR COKE | 10 | 2 | - | 2 | 2 | - | 2 | - | 3 | - | - | ... |
| WOOD | 279 | 21 | 32 | 19 | 36 | 41 | 45 | 47 | 21 | 13 | 4 | 18900 |
| SOLAR HEAT | 7 | - | - | - | 1 | - | 2 | - | 2 | 2 | - | ... |
| OTHER FUEL | 2 | - | - | - | - | - | - | - | 2 | - | - | ... |
| NONE | 158 | - | 6 | 12 | 11 | 16 | 18 | 33 | 36 | 20 | 6 | 29900 |
| RENTER OCCUPIED | 6 564 | 418 | 1 343 | 860 | 1 376 | 875 | 655 | 667 | 250 | 88 | 33 | 12400 |
| UTILITY GAS | 4 002 | 249 | 777 | 559 | 862 | 532 | 393 | 398 | 161 | 53 | 18 | 12400 |
| BOTTLED, TANK, OR LP GAS | 93 | 2 | 24 | 10 | 23 | 20 | 5 | 7 | 2 | - | - | 12300 |
| FUEL OIL | 180 | 12 | 30 | 26 | 47 | 24 | 16 | 18 | 4 | 3 | - | 12400 |
| KEROSENE, ETC | 2 | - | 2 | - | - | - | - | - | - | - | - | ... |
| ELECTRICITY | 1 905 | 120 | 407 | 225 | 364 | 251 | 213 | 216 | 65 | 31 | 14 | 12800 |
| COAL OR COKE | 8 | - | 2 | 2 | 3 | - | 2 | - | - | - | - | ... |
| WOOD | 111 | 16 | 37 | 14 | 16 | 17 | 6 | 6 | - | - | - | 7600 |
| SOLAR HEAT | 5 | 1 | 2 | - | - | - | - | 2 | - | - | - | ... |
| OTHER FUEL | 27 | 5 | 7 | 3 | 5 | 3 | 2 | 2 | - | - | - | ... |
| NONE | 231 | 13 | 56 | 21 | 56 | 27 | 19 | 17 | 18 | 1 | 2 | 12200 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 192 | 509 | 429 | 785 | 842 | 933 | 1 658 | 1 433 | 789 | 311 | 26500 |
| ELECTRICITY PAID FOR | 7 872 | 192 | 507 | 426 | 782 | 842 | 933 | 1 658 | 1 433 | 789 | 311 | 26500 |
| LESS THAN $10 | 107 | 4 | 20 | 11 | 17 | 12 | 8 | 21 | 17 | - | - | 16100 |
| $10 TO $19 | 1 053 | 31 | 135 | 109 | 137 | 134 | 112 | 191 | 132 | 54 | 20 | 19300 |
| $20 TO $29 | 1 757 | 46 | 144 | 105 | 213 | 233 | 227 | 337 | 280 | 141 | 32 | 23000 |
| $30 TO $39 | 1 562 | 41 | 67 | 91 | 145 | 168 | 218 | 374 | 267 | 129 | 63 | 26400 |
| $40 TO $49 | 949 | 14 | 49 | 46 | 91 | 96 | 129 | 202 | 174 | 112 | 35 | 27400 |
| $50 TO $59 | 800 | 15 | 38 | 26 | 53 | 63 | 88 | 188 | 188 | 104 | 37 | 31200 |
| $60 TO $79 | 826 | 22 | 22 | 20 | 71 | 59 | 79 | 172 | 208 | 127 | 45 | 33100 |
| $80 TO $99 | 322 | 7 | 13 | 5 | 21 | 41 | 29 | 67 | 58 | 58 | 22 | 31700 |
| $100 TO $149 | 336 | 10 | 11 | 9 | 18 | 20 | 31 | 82 | 65 | 46 | 43 | 33300 |
| $150 OR MORE | 160 | 3 | 7 | 5 | 16 | 17 | 10 | 25 | 45 | 19 | 15 | 34300 |
| MEDIAN | 36 | 33 | 26 | 28 | 32 | 32 | 35 | 37 | 41 | 46 | 52 | ... |
| NO ELECTRICITY USED | 8 | - | 2 | 3 | 3 | - | - | - | - | - | - | ... |
| SPECIFIED RENTER OCCUPIED[2] | 6 477 | 413 | 1 327 | 849 | 1 357 | 860 | 640 | 661 | 250 | 86 | 33 | 12400 |
| ELECTRICITY PAID FOR | 5 251 | 286 | 931 | 653 | 1 130 | 750 | 552 | 611 | 229 | 79 | 30 | 13300 |
| LESS THAN $10 | 663 | 33 | 143 | 107 | 159 | 58 | 76 | 68 | 14 | 2 | 3 | 11500 |
| $10 TO $19 | 1 622 | 98 | 305 | 209 | 361 | 254 | 171 | 154 | 58 | 7 | 6 | 12800 |
| $20 TO $29 | 1 214 | 58 | 256 | 150 | 249 | 162 | 110 | 161 | 49 | 15 | 5 | 12900 |
| $30 TO $39 | 709 | 47 | 99 | 73 | 152 | 112 | 80 | 83 | 36 | 22 | 4 | 14400 |
| $40 TO $49 | 392 | 26 | 44 | 45 | 86 | 59 | 45 | 48 | 23 | 12 | 3 | 14700 |
| $50 TO $59 | 268 | 5 | 47 | 30 | 60 | 40 | 28 | 28 | 15 | 11 | 3 | 14300 |
| $60 TO $79 | 199 | 7 | 25 | 18 | 35 | 32 | 25 | 35 | 14 | 6 | 1 | 17000 |
| $80 TO $99 | 66 | 5 | 1 | 7 | 16 | 8 | 7 | 14 | 8 | 1 | - | 18100 |
| $100 TO $149 | 74 | 7 | 8 | 3 | 10 | 13 | 6 | 18 | 6 | 3 | - | 18600 |
| $150 OR MORE | 44 | - | 2 | 11 | 3 | 11 | 3 | 3 | 7 | 1 | 3 | 18100 |
| MEDIAN | 23 | 22 | 21 | 21 | 22 | 24 | 22 | 25 | 28 | 37 | ... | ... |
| INCLUDED IN RENT | 1 198 | 126 | 392 | 191 | 221 | 108 | 82 | 48 | 20 | 7 | 4 | 8300 |
| NO ELECTRICITY USED | 28 | 2 | 4 | 6 | 6 | 3 | 7 | 2 | - | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 192 | 509 | 429 | 785 | 842 | 933 | 1 658 | 1 433 | 789 | 311 | 26500 |
| GAS PAID FOR | 6 312 | 136 | 392 | 355 | 623 | 668 | 721 | 1 296 | 1 174 | 676 | 270 | 27000 |
| LESS THAN $10 | 415 | 11 | 30 | 33 | 58 | 42 | 40 | 101 | 60 | 31 | 9 | 24200 |
| $10 TO $14 | 763 | 13 | 65 | 57 | 69 | 120 | 107 | 148 | 98 | 63 | 22 | 22700 |
| $15 TO $19 | 891 | 17 | 72 | 54 | 96 | 96 | 101 | 189 | 159 | 74 | 32 | 25500 |
| $20 TO $24 | 1 005 | 20 | 62 | 58 | 99 | 100 | 103 | 200 | 200 | 132 | 30 | 28000 |
| $25 TO $29 | 728 | 13 | 38 | 28 | 70 | 79 | 104 | 141 | 152 | 87 | 17 | 27300 |
| $30 TO $39 | 1 108 | 27 | 58 | 45 | 123 | 112 | 130 | 252 | 195 | 114 | 52 | 27300 |
| $40 TO $49 | 615 | 14 | 24 | 32 | 53 | 59 | 68 | 112 | 142 | 76 | 34 | 30100 |
| $50 TO $69 | 549 | 15 | 28 | 31 | 46 | 39 | 53 | 112 | 125 | 66 | 34 | 30600 |
| $70 TO $99 | 165 | 5 | 14 | 13 | 6 | 17 | 10 | 32 | 24 | 20 | 24 | 30500 |
| $100 OR MORE | 74 | 2 | 2 | 4 | 2 | 3 | 5 | 9 | 19 | 12 | 16 | 43300 |
| MEDIAN | 25 | 27 | 22 | 22 | 24 | 23 | 25 | 25 | 27 | 27 | 34 | ... |
| NO GAS USED | 1 569 | 55 | 116 | 74 | 162 | 174 | 211 | 362 | 259 | 114 | 41 | 24800 |
| SPECIFIED RENTER OCCUPIED[2] | 6 477 | 413 | 1 327 | 849 | 1 357 | 860 | 640 | 661 | 250 | 86 | 33 | 12400 |
| GAS PAID FOR | 3 433 | 184 | 642 | 456 | 725 | 483 | 350 | 373 | 146 | 55 | 19 | 13000 |
| LESS THAN $10 | 966 | 56 | 185 | 147 | 227 | 120 | 106 | 99 | 18 | 5 | 2 | 12100 |
| $10 TO $14 | 793 | 49 | 158 | 98 | 145 | 141 | 78 | 68 | 40 | 9 | 7 | 13200 |
| $15 TO $19 | 518 | 24 | 108 | 73 | 87 | 69 | 64 | 49 | 22 | 17 | 4 | 13100 |
| $20 TO $24 | 352 | 14 | 67 | 44 | 80 | 43 | 28 | 48 | 13 | 15 | - | 13200 |
| $25 TO $29 | 240 | 7 | 43 | 32 | 59 | 27 | 24 | 33 | 10 | 2 | 3 | 13200 |
| $30 TO $39 | 274 | 7 | 40 | 31 | 60 | 46 | 24 | 43 | 19 | 5 | - | 14900 |
| $40 TO $49 | 113 | 14 | 13 | 9 | 20 | 20 | 12 | 16 | 6 | 1 | 1 | 15300 |
| $50 TO $69 | 125 | 8 | 19 | 19 | 31 | 10 | 13 | 10 | 13 | 2 | - | 12700 |
| $70 TO $99 | 32 | 5 | 7 | 2 | 8 | 3 | 2 | 3 | 2 | - | - | ... |
| $100 OR MORE | 20 | - | 1 | 2 | 7 | 3 | - | 4 | 2 | - | 2 | ... |
| MEDIAN | 14 | 13 | 13 | 13 | 14 | 13 | 14 | 17 | 18 | 18 | ... | ... |
| INCLUDED IN RENT | 1 322 | 122 | 322 | 200 | 277 | 156 | 110 | 89 | 35 | 8 | 2 | 10300 |
| NO GAS USED | 1 722 | 108 | 362 | 193 | 355 | 222 | 180 | 198 | 69 | 23 | 12 | 12800 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE E-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 192 | 509 | 429 | 785 | 842 | 933 | 1 658 | 1 433 | 789 | 311 | 26500 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 1 223 | 31 | 106 | 54 | 119 | 111 | 113 | 260 | 246 | 119 | 64 | 28000 |
| LESS THAN $100 | 337 | 3 | 20 | 15 | 30 | 37 | 29 | 89 | 73 | 27 | 13 | 28800 |
| $100 TO $199 | 350 | 14 | 16 | 8 | 33 | 25 | 31 | 74 | 79 | 42 | 27 | 31400 |
| $200 TO $299 | 151 | 9 | 20 | 7 | 6 | 18 | 11 | 28 | 27 | 14 | 11 | 26500 |
| $300 TO $399 | 83 | 3 | 18 | 4 | 14 | 11 | 9 | 9 | 7 | 5 | 3 | 16100 |
| $400 TO $499 | 76 | - | 13 | 3 | 5 | 5 | 16 | 17 | 10 | 7 | - | 23700 |
| $500 TO $599 | 61 | 2 | 7 | - | 3 | 4 | 3 | 15 | 12 | 11 | 4 | 33000 |
| $600 TO $699 | 49 | - | 5 | 7 | 5 | 6 | 4 | 10 | 10 | - | 2 | 21700 |
| $700 TO $799 | 25 | - | - | - | 7 | - | 3 | 6 | 4 | 3 | 2 | ... |
| $800 OR MORE | 91 | - | 6 | 10 | 15 | 5 | 7 | 12 | 24 | 10 | 2 | 27000 |
| MEDIAN | 178 | ... | 282 | 261 | 186 | 174 | 186 | 155 | 162 | 177 | 167 | ... |
| FUELS NOT USED OR FREE | 6 658 | 160 | 403 | 375 | 666 | 732 | 819 | 1 397 | 1 188 | 670 | 248 | 26200 |
| SPECIFIED RENTER OCCUPIED[2] | 6 477 | 413 | 1 327 | 849 | 1 357 | 860 | 640 | 661 | 250 | 86 | 33 | 12400 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 282 | 15 | 37 | 20 | 61 | 54 | 32 | 37 | 20 | 7 | - | 15700 |
| LESS THAN $100 | 84 | 6 | 7 | 2 | 23 | 14 | 17 | 6 | 7 | 2 | - | 16600 |
| $100 TO $199 | 82 | 2 | 15 | 7 | 15 | 13 | 7 | 13 | 5 | 5 | - | 15800 |
| $200 TO $299 | 26 | - | 4 | - | 6 | 6 | 4 | 3 | 2 | - | - | ... |
| $300 TO $399 | 27 | 2 | 3 | 3 | 9 | 3 | 2 | 6 | - | - | - | ... |
| $400 TO $499 | 24 | 2 | 6 | 5 | 1 | 3 | 1 | 5 | 1 | - | - | ... |
| $500 TO $599 | 3 | - | - | - | 2 | 2 | - | - | - | - | - | ... |
| $600 TO $699 | 10 | 2 | 1 | 2 | - | 2 | - | 2 | 2 | - | - | ... |
| $700 TO $799 | - | - | - | - | - | - | - | - | - | - | - | - |
| $800 OR MORE | 26 | 2 | 2 | 2 | 4 | 10 | - | 2 | 4 | - | - | ... |
| MEDIAN | 169 | ... | 181 | ... | 149 | 195 | ... | 193 | ... | ... | - | ... |
| INCLUDED IN RENT | 356 | 28 | 94 | 64 | 76 | 27 | 20 | 34 | 9 | 2 | 2 | 9600 |
| FUELS NOT USED OR FREE | 5 840 | 370 | 1 196 | 766 | 1 221 | 780 | 588 | 590 | 220 | 78 | 31 | 12400 |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 688 | 2 109 | 1 468 | 2 456 | 1 951 | 1 762 | 2 600 | 1 900 | 1 004 | 391 | 18700 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| OWNER OCCUPIED | 9 765 | 270 | 766 | 607 | 1 080 | 1 077 | 1 107 | 1 934 | 1 650 | 916 | 358 | 24900 |
| WARM-AIR FURNACE | 6 114 | 117 | 367 | 329 | 629 | 622 | 663 | 1 244 | 1 185 | 699 | 260 | 27700 |
| HEAT PUMP | 253 | 9 | 15 | 10 | 14 | 29 | 22 | 72 | 51 | 22 | 10 | 29000 |
| STEAM OR HOT WATER | 212 | 5 | 10 | 10 | 21 | 13 | 15 | 48 | 37 | 27 | 25 | 31500 |
| BUILT-IN ELECTRIC UNITS | 683 | 36 | 62 | 31 | 67 | 95 | 95 | 146 | 95 | 42 | 15 | 22700 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 448 | 48 | 164 | 137 | 200 | 201 | 173 | 245 | 173 | 78 | 30 | 19400 |
| ROOM HEATERS WITH FLUE | 244 | 18 | 64 | 30 | 33 | 17 | 29 | 29 | 22 | 2 | - | 11400 |
| ROOM HEATERS WITHOUT FLUE | 47 | 10 | 10 | 5 | 13 | 2 | 5 | 1 | - | - | - | 8900 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 606 | 28 | 68 | 42 | 92 | 82 | 87 | 116 | 51 | 27 | 12 | 19400 |
| NONE | 158 | - | 6 | 12 | 11 | 16 | 18 | 33 | 36 | 20 | 6 | 29900 |
| RENTER OCCUPIED | 6 564 | 418 | 1 343 | 860 | 1 376 | 875 | 655 | 667 | 250 | 88 | 33 | 12400 |
| WARM-AIR FURNACE | 1 961 | 101 | 287 | 240 | 389 | 284 | 224 | 277 | 93 | 49 | 18 | 14500 |
| HEAT PUMP | 48 | 2 | 16 | 1 | 4 | 5 | 5 | 8 | 4 | 2 | 2 | 15200 |
| STEAM OR HOT WATER | 352 | 30 | 65 | 51 | 87 | 51 | 29 | 25 | 11 | 3 | - | 11800 |
| BUILT-IN ELECTRIC UNITS | 1 292 | 80 | 295 | 144 | 254 | 154 | 153 | 133 | 51 | 18 | 9 | 12500 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 055 | 127 | 430 | 309 | 456 | 284 | 183 | 179 | 72 | 12 | 3 | 11800 |
| ROOM HEATERS WITH FLUE | 305 | 23 | 92 | 50 | 69 | 24 | 27 | 14 | 2 | 2 | 1 | 9200 |
| ROOM HEATERS WITHOUT FLUE | 67 | 9 | 19 | 11 | 15 | 10 | 1 | 2 | - | - | - | 8500 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 254 | 31 | 83 | 32 | 46 | 35 | 14 | 11 | - | 1 | - | 8200 |
| NONE | 231 | 13 | 56 | 21 | 56 | 27 | 19 | 17 | 18 | 1 | 2 | 12200 |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 688 | 2 109 | 1 468 | 2 456 | 1 951 | 1 762 | 2 600 | 1 900 | 1 004 | 391 | 18700 |
| UNITS OCCUPIED LAST WINTER | 13 231 | 453 | 1 624 | 1 104 | 1 871 | 1 550 | 1 461 | 2 204 | 1 688 | 915 | 361 | 20000 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| OWNER OCCUPIED | 9 138 | 253 | 743 | 574 | 1 032 | 1 001 | 1 029 | 1 790 | 1 522 | 854 | 341 | 24700 |
| WITH HEATING EQUIPMENT | 8 987 | 253 | 738 | 564 | 1 021 | 986 | 1 011 | 1 757 | 1 486 | 835 | 336 | 24600 |
| NO ROOMS CLOSED | 8 688 | 235 | 688 | 541 | 982 | 953 | 986 | 1 715 | 1 461 | 797 | 330 | 24800 |
| CLOSED CERTAIN ROOMS | 170 | 5 | 33 | 17 | 24 | 13 | 13 | 33 | 13 | 16 | 3 | 17200 |
| LIVING ROOM ONLY | - | - | - | - | - | - | - | - | - | - | - | - |
| DINING ROOM ONLY | 4 | - | - | - | - | 2 | - | 2 | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 114 | 2 | 24 | 14 | 19 | 7 | 10 | 21 | 6 | 10 | 2 | 14700 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 45 | 3 | 9 | 4 | 2 | 4 | 3 | 10 | 7 | 2 | 2 | 21300 |
| NOT REPORTED | 8 | - | - | - | 4 | - | - | - | - | 4 | - | ... |
| NOT REPORTED | 129 | 13 | 17 | 6 | 15 | 21 | 11 | 10 | 13 | 22 | 2 | 18300 |
| NO HEATING EQUIPMENT | 151 | - | 5 | 10 | 11 | 14 | 18 | 33 | 36 | 18 | 6 | 30500 |
| RENTER OCCUPIED | 4 093 | 201 | 881 | 530 | 839 | 549 | 432 | 414 | 166 | 62 | 19 | 12600 |
| WITH HEATING EQUIPMENT | 3 920 | 191 | 839 | 512 | 796 | 530 | 416 | 402 | 156 | 61 | 18 | 12600 |
| NO ROOMS CLOSED | 3 708 | 177 | 805 | 479 | 751 | 504 | 388 | 377 | 148 | 60 | 18 | 12600 |
| CLOSED CERTAIN ROOMS | 114 | 10 | 21 | 16 | 25 | 16 | 7 | 13 | 6 | - | - | 12000 |
| LIVING ROOM ONLY | 5 | - | - | 2 | - | 2 | - | 2 | - | - | - | ... |
| DINING ROOM ONLY | 2 | - | - | - | - | 2 | - | - | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 80 | 10 | 16 | 12 | 18 | 4 | 5 | 10 | 4 | - | - | 10500 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 24 | - | 5 | 2 | 5 | 7 | 2 | 2 | 2 | - | - | ... |
| NOT REPORTED | 3 | - | - | - | 2 | 2 | - | - | - | - | - | ... |
| NOT REPORTED | 98 | 3 | 13 | 16 | 20 | 9 | 22 | 12 | 2 | 1 | - | 14200 |
| NO HEATING EQUIPMENT | 173 | 10 | 42 | 18 | 43 | 19 | 16 | 12 | 10 | 1 | 2 | 11900 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE E-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| OWNER OCCUPIED | 9 138 | 253 | 743 | 574 | 1 032 | 1 001 | 1 029 | 1 790 | 1 522 | 854 | 341 | 24700 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 218 | 666 | 524 | 920 | 906 | 924 | 1 640 | 1 438 | 808 | 323 | 25200 |
| NO ADDITIONAL HEAT SOURCE USED | 7 767 | 197 | 604 | 484 | 856 | 839 | 862 | 1 525 | 1 338 | 756 | 306 | 25300 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 445 | 12 | 49 | 30 | 43 | 49 | 49 | 88 | 79 | 37 | 9 | 24000 |
| NOT REPORTED | 155 | 9 | 14 | 10 | 21 | 18 | 13 | 27 | 21 | 15 | 8 | 22600 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 35 | 77 | 50 | 112 | 95 | 104 | 150 | 84 | 46 | 18 | 20800 |
| RENTER OCCUPIED | 4 093 | 201 | 881 | 530 | 839 | 549 | 432 | 414 | 166 | 62 | 19 | 12600 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 171 | 762 | 482 | 752 | 497 | 409 | 392 | 156 | 59 | 18 | 12900 |
| NO ADDITIONAL HEAT SOURCE USED | 3 272 | 146 | 649 | 429 | 644 | 455 | 369 | 366 | 140 | 56 | 17 | 13200 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 334 | 23 | 94 | 42 | 86 | 29 | 30 | 15 | 14 | 2 | - | 10500 |
| NOT REPORTED | 92 | 2 | 19 | 11 | 22 | 13 | 10 | 10 | 2 | 1 | 1 | 13200 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 30 | 119 | 47 | 87 | 52 | 24 | 22 | 10 | 2 | 2 | 10100 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| OWNER OCCUPIED | 9 138 | 253 | 743 | 574 | 1 032 | 1 001 | 1 029 | 1 790 | 1 522 | 854 | 341 | 24700 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 218 | 666 | 524 | 920 | 906 | 924 | 1 640 | 1 438 | 808 | 323 | 25200 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 6 254 | 160 | 419 | 320 | 672 | 641 | 665 | 1 265 | 1 162 | 680 | 270 | 27000 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 958 | 48 | 233 | 197 | 227 | 245 | 248 | 350 | 252 | 112 | 46 | 20600 |
| 1 ROOM | 533 | 4 | 49 | 40 | 45 | 67 | 72 | 102 | 92 | 45 | 17 | 24300 |
| 2 ROOMS | 572 | 16 | 90 | 75 | 82 | 67 | 62 | 96 | 50 | 20 | 13 | 16700 |
| 3 ROOMS OR MORE | 852 | 28 | 94 | 82 | 99 | 112 | 113 | 152 | 110 | 47 | 15 | 20500 |
| NOT REPORTED | 155 | 9 | 14 | 6 | 21 | 19 | 12 | 25 | 24 | 17 | 8 | 23300 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 35 | 77 | 50 | 112 | 95 | 104 | 150 | 84 | 46 | 18 | 20600 |
| RENTER OCCUPIED | 4 093 | 201 | 881 | 530 | 839 | 549 | 432 | 414 | 166 | 62 | 19 | 12600 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 171 | 762 | 482 | 752 | 497 | 409 | 392 | 156 | 59 | 18 | 12900 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 208 | 107 | 432 | 263 | 424 | 293 | 267 | 256 | 104 | 50 | 13 | 13600 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 397 | 61 | 311 | 208 | 307 | 192 | 130 | 125 | 50 | 8 | 4 | 11900 |
| 1 ROOM | 478 | 23 | 129 | 60 | 116 | 55 | 38 | 41 | 14 | 2 | 1 | 11200 |
| 2 ROOMS | 564 | 24 | 123 | 89 | 112 | 80 | 61 | 47 | 20 | 3 | 3 | 12000 |
| 3 ROOMS OR MORE | 355 | 13 | 60 | 58 | 79 | 57 | 31 | 37 | 17 | 3 | - | 12900 |
| NOT REPORTED | 93 | 3 | 20 | 12 | 21 | 12 | 11 | 10 | 2 | 1 | 1 | 12900 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 30 | 119 | 47 | 87 | 52 | 24 | 22 | 10 | 2 | 2 | 10100 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| OWNER OCCUPIED | 9 138 | 253 | 743 | 574 | 1 032 | 1 001 | 1 029 | 1 790 | 1 522 | 854 | 341 | 24700 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 218 | 666 | 524 | 920 | 906 | 924 | 1 640 | 1 438 | 808 | 323 | 25200 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 35 | 77 | 50 | 112 | 95 | 104 | 150 | 84 | 46 | 18 | 20800 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 639 | 23 | 48 | 43 | 92 | 86 | 80 | 131 | 80 | 37 | 18 | 21700 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 56 | 7 | 15 | 1 | 7 | - | 12 | 8 | 2 | 4 | - | 13300 |
| NOT REPORTED | 76 | 5 | 13 | 7 | 13 | 8 | 12 | 12 | 1 | 5 | - | 15300 |
| RENTER OCCUPIED | 4 093 | 201 | 881 | 530 | 839 | 549 | 432 | 414 | 166 | 62 | 19 | 12600 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 171 | 762 | 482 | 752 | 497 | 409 | 392 | 156 | 59 | 18 | 12900 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 30 | 119 | 47 | 87 | 52 | 24 | 22 | 10 | 2 | 2 | 10100 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 299 | 23 | 88 | 32 | 60 | 43 | 19 | 21 | 10 | 2 | 2 | 10600 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 55 | 5 | 22 | 5 | 14 | 6 | 4 | - | - | - | - | 7700 |
| NOT REPORTED | 40 | 2 | 10 | 11 | 13 | 3 | - | 1 | - | - | - | 9400 |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 688 | 2 109 | 1 468 | 2 456 | 1 951 | 1 762 | 2 600 | 1 900 | 1 004 | 391 | 18700 |
| AIR CONDITIONING | | | | | | | | | | | | |
| OWNER OCCUPIED | 9 765 | 270 | 766 | 607 | 1 080 | 1 077 | 1 107 | 1 934 | 1 650 | 916 | 358 | 24900 |
| WITH AIR CONDITIONING | 3 769 | 100 | 265 | 227 | 400 | 421 | 413 | 776 | 634 | 363 | 170 | 25800 |
| ROOM UNITS | 1 228 | 42 | 129 | 113 | 143 | 151 | 118 | 228 | 160 | 110 | 32 | 21500 |
| 1 | 938 | 35 | 104 | 97 | 115 | 118 | 94 | 167 | 102 | 82 | 25 | 20000 |
| 2 | 235 | 7 | 21 | 14 | 23 | 28 | 20 | 56 | 42 | 19 | 4 | 25700 |
| 3 | 43 | - | 4 | 2 | 3 | 4 | 4 | 4 | 14 | 6 | 2 | 35800 |
| 4 | 11 | - | - | - | 2 | 2 | - | 2 | 2 | 4 | - | ... |
| 5 OR MORE | 2 | - | - | - | - | - | - | - | - | - | 2 | ... |
| CENTRAL SYSTEM | 2 540 | 58 | 136 | 114 | 257 | 270 | 294 | 547 | 474 | 253 | 138 | 27600 |
| WITH NO AIR CONDITIONING | 5 997 | 170 | 502 | 381 | 680 | 656 | 695 | 1 158 | 1 016 | 553 | 187 | 24400 |
| RENTER OCCUPIED | 6 564 | 418 | 1 343 | 860 | 1 376 | 875 | 655 | 667 | 250 | 88 | 33 | 12400 |
| WITH AIR CONDITIONING | 2 076 | 128 | 389 | 256 | 424 | 276 | 223 | 229 | 89 | 39 | 22 | 13100 |
| ROOM UNITS | 1 076 | 77 | 217 | 117 | 254 | 146 | 106 | 93 | 38 | 16 | 11 | 12500 |
| 1 | 973 | 70 | 189 | 102 | 233 | 138 | 101 | 87 | 30 | 13 | 10 | 12700 |
| 2 | 82 | 5 | 24 | 10 | 21 | 7 | 3 | 3 | 5 | 3 | 2 | 10600 |
| 3 | 17 | 2 | - | 5 | - | 2 | 2 | 3 | 3 | - | - | ... |
| 4 | 4 | - | 4 | - | - | - | - | - | - | - | - | ... |
| 5 OR MORE | - | - | - | - | - | - | - | - | - | - | - | - |
| CENTRAL SYSTEM | 1 000 | 51 | 172 | 139 | 171 | 129 | 117 | 135 | 51 | 24 | 10 | 14000 |
| WITH NO AIR CONDITIONING | 4 488 | 289 | 954 | 604 | 951 | 599 | 432 | 438 | 160 | 48 | 12 | 12100 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | | | | | | | | |
| OWNER OCCUPIED | 6 674 | 115 | 136 | 154 | 513 | 713 | 834 | 1 632 | 1 447 | 814 | 317 | 30300 |
| DRIVES SELF | 5 114 | 73 | 102 | 110 | 399 | 536 | 647 | 1 246 | 1 088 | 637 | 275 | 30500 |
| CARPOOL | 961 | 12 | 14 | 20 | 65 | 110 | 123 | 250 | 223 | 120 | 23 | 30400 |
| MASS TRANSPORTATION | 187 | - | 2 | 3 | 17 | 19 | 18 | 57 | 41 | 21 | 9 | 30900 |
| BICYCLE, MOTORCYCLE, OR MOPED | 117 | - | - | 1 | 7 | 14 | 11 | 35 | 39 | 9 | 2 | 32300 |
| TAXICAB | - | - | - | - | - | - | - | - | - | - | - | - |
| WALKS ONLY | 98 | 3 | 5 | 5 | 7 | 19 | 10 | 17 | 18 | 9 | 4 | 24600 |
| OTHER MEANS | 16 | - | - | - | 2 | - | - | 2 | 11 | 1 | - | ... |
| WORKS AT HOME | 130 | 27 | 13 | 15 | 16 | 14 | 23 | 24 | 26 | 15 | 5 | 21200 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE E-2. INCOME OF FAMILIES AND PRIMARY INDIVIDUALS BY FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | LESS THAN $3,000 | $3,000 TO $6,999 | $7,000 TO $9,999 | $10,000 TO $14,999 | $15,000 TO $19,999 | $20,000 TO $24,999 | $25,000 TO $34,999 | $35,000 TO $49,999 | $50,000 TO $74,999 | $75,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | | | | |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[1]--CONTINUED | | | | | | | | | | | | |
| RENTER OCCUPIED | 4 428 | 165 | 452 | 526 | 1 061 | 738 | 569 | 598 | 217 | 73 | 29 | 15100 |
| DRIVES SELF | 2 860 | 76 | 233 | 335 | 698 | 497 | 410 | 396 | 138 | 58 | 20 | 15900 |
| CARPOOL | 704 | 30 | 79 | 77 | 144 | 115 | 81 | 117 | 52 | 5 | 5 | 16000 |
| MASS TRANSPORTATION | 365 | 17 | 57 | 56 | 98 | 59 | 27 | 32 | 15 | 2 | 2 | 12700 |
| BICYCLE, MOTORCYCLE, OR MOPED | 128 | 6 | 21 | 8 | 36 | 26 | 16 | 15 | - | - | - | 14000 |
| TAXICAB | - | - | - | - | - | - | - | - | - | - | - | - |
| WALKS ONLY | 263 | 20 | 49 | 38 | 67 | 31 | 27 | 25 | 4 | - | 2 | 11800 |
| OTHER MEANS | 12 | - | - | - | 3 | - | 2 | - | 4 | 1 | 2 | ... |
| WORKS AT HOME | 96 | 17 | 13 | 11 | 14 | 11 | 7 | 12 | 5 | 7 | - | 12500 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 6 674 | 115 | 136 | 154 | 513 | 713 | 834 | 1 632 | 1 447 | 814 | 317 | 30300 |
| HOUSEHOLDER DRIVES ALONE | 5 114 | 73 | 102 | 110 | 399 | 536 | 647 | 1 246 | 1 088 | 637 | 275 | 30500 |
| IRREGULAR OR UNUSUAL WORK HOURS | 1 856 | 26 | 40 | 45 | 122 | 164 | 221 | 461 | 394 | 239 | 143 | 31700 |
| IRREGULAR WORK LOCATION | 372 | 4 | 4 | 3 | 23 | 36 | 56 | 96 | 97 | 40 | 14 | 31300 |
| CAR NEEDED FOR WORK OR ERRANDS | 1 025 | 12 | 20 | 17 | 76 | 79 | 107 | 250 | 229 | 150 | 85 | 33100 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 894 | 18 | 19 | 31 | 93 | 141 | 139 | 200 | 162 | 78 | 13 | 25300 |
| LIKES PRIVACY | 230 | 4 | 6 | 2 | 26 | 19 | 37 | 45 | 50 | 40 | - | 29700 |
| OUT OF THE WAY TO PICK UP OTHERS | 229 | - | 3 | 3 | 20 | 47 | 37 | 45 | 48 | 24 | 1 | 25800 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 47 | - | 2 | - | 3 | 3 | 2 | 16 | 14 | 6 | 2 | 33800 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 133 | 2 | 3 | 1 | 10 | 10 | 13 | 49 | 23 | 17 | 4 | 30500 |
| DOESN'T TRUST OTHERS DRIVING | 7 | - | - | - | 2 | 2 | 2 | 2 | - | - | - | ... |
| SOME OTHER REASON | 297 | 7 | 5 | 7 | 23 | 36 | 32 | 72 | 62 | 39 | 15 | 30400 |
| NOT REPORTED | 25 | - | - | - | 2 | - | 1 | 10 | 9 | 4 | - | ... |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 1 560 | 42 | 34 | 44 | 114 | 177 | 187 | 386 | 358 | 177 | 42 | 29700 |
| RENTER OCCUPIED | 4 428 | 165 | 452 | 526 | 1 061 | 738 | 569 | 598 | 217 | 73 | 29 | 15100 |
| HOUSEHOLDER DRIVES ALONE | 2 860 | 76 | 233 | 335 | 698 | 497 | 410 | 396 | 138 | 58 | 20 | 15900 |
| IRREGULAR OR UNUSUAL WORK HOURS | 972 | 35 | 81 | 109 | 190 | 188 | 142 | 133 | 52 | 33 | 10 | 16900 |
| IRREGULAR WORK LOCATION | 164 | 5 | 15 | 13 | 33 | 35 | 24 | 28 | 4 | 6 | 1 | 17200 |
| CAR NEEDED FOR WORK OR ERRANDS | 431 | 2 | 28 | 31 | 127 | 64 | 62 | 77 | 32 | 5 | 3 | 17200 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 682 | 23 | 68 | 101 | 188 | 112 | 84 | 73 | 22 | 9 | 2 | 14000 |
| LIKES PRIVACY | 167 | 2 | 11 | 17 | 43 | 29 | 35 | 18 | 6 | 3 | 4 | 16900 |
| OUT OF THE WAY TO PICK UP OTHERS | 126 | 2 | 9 | 19 | 27 | 17 | 22 | 21 | 10 | - | - | 17100 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 30 | - | - | 2 | 9 | 5 | 7 | 5 | 3 | - | - | ... |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 86 | - | - | 11 | 30 | 17 | 15 | 14 | - | - | - | 15700 |
| DOESN'T TRUST OTHERS DRIVING | 10 | - | - | 4 | 2 | 2 | 2 | 2 | - | - | - | ... |
| SOME OTHER REASON | 170 | 5 | 17 | 27 | 44 | 27 | 16 | 26 | 7 | 1 | - | 14100 |
| NOT REPORTED | 22 | 3 | 3 | 2 | 8 | 1 | 2 | 2 | 2 | - | - | ... |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 1 568 | 89 | 219 | 190 | 363 | 241 | 160 | 202 | 79 | 15 | 10 | 13900 |
| DISTANCE FROM HOME TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 6 674 | 115 | 136 | 154 | 513 | 713 | 834 | 1 632 | 1 447 | 814 | 317 | 30300 |
| LESS THAN 1 MILE | 337 | 10 | 17 | 12 | 33 | 57 | 46 | 67 | 51 | 33 | 11 | 24400 |
| 1 TO 4 MILES | 1 278 | 16 | 49 | 36 | 128 | 169 | 146 | 312 | 248 | 123 | 50 | 28000 |
| 5 TO 9 MILES | 1 344 | 19 | 15 | 27 | 118 | 145 | 171 | 328 | 315 | 146 | 60 | 30400 |
| 10 TO 19 MILES | 1 470 | 17 | 11 | 27 | 98 | 145 | 224 | 379 | 324 | 190 | 55 | 30600 |
| 20 TO 29 MILES | 563 | 6 | 2 | 8 | 21 | 52 | 55 | 145 | 162 | 83 | 28 | 34500 |
| 30 TO 49 MILES | 379 | 7 | 4 | 3 | 19 | 40 | 30 | 96 | 101 | 57 | 23 | 34100 |
| 50 MILES OR MORE | 128 | 3 | 2 | - | 3 | 15 | 12 | 40 | 18 | 25 | 9 | 32100 |
| WORKS AT HOME | 160 | 27 | 13 | 15 | 16 | 14 | 23 | 24 | 26 | 16 | 5 | 21200 |
| NO FIXED PLACE OF WORK | 995 | 11 | 22 | 26 | 77 | 75 | 126 | 241 | 201 | 140 | 74 | 31600 |
| MEDIAN | 9.2 | 8.3 | 3.7 | 6.6 | 7.1 | 7.9 | 9.4 | 9.6 | 9.9 | 11.4 | 9.7 | ... |
| RENTER OCCUPIED | 4 428 | 165 | 452 | 526 | 1 061 | 738 | 569 | 598 | 217 | 73 | 29 | 15100 |
| LESS THAN 1 MILE | 413 | 25 | 61 | 58 | 107 | 69 | 42 | 42 | 6 | 2 | 2 | 12900 |
| 1 TO 4 MILES | 1 149 | 42 | 132 | 155 | 337 | 165 | 141 | 125 | 40 | 8 | 3 | 13600 |
| 5 TO 9 MILES | 933 | 24 | 86 | 107 | 211 | 165 | 134 | 126 | 57 | 14 | 9 | 16100 |
| 10 TO 19 MILES | 903 | 30 | 88 | 97 | 195 | 149 | 117 | 153 | 54 | 12 | 9 | 16400 |
| 20 TO 29 MILES | 274 | 3 | 12 | 31 | 72 | 54 | 40 | 35 | 10 | 16 | - | 16700 |
| 30 TO 49 MILES | 161 | 7 | 4 | 12 | 30 | 41 | 22 | 35 | 7 | 3 | - | 18400 |
| 50 MILES OR MORE | 47 | - | 6 | 5 | 8 | 11 | 7 | 5 | 4 | - | 2 | 17300 |
| WORKS AT HOME | 96 | 17 | 13 | 11 | 14 | 11 | 7 | 12 | 5 | 7 | - | 12500 |
| NO FIXED PLACE OF WORK | 451 | 17 | 50 | 48 | 87 | 73 | 59 | 64 | 34 | 13 | 5 | 16600 |
| MEDIAN | 7.0 | 4.8 | 5.1 | 5.9 | 5.8 | 7.8 | 7.5 | 8.7 | 8.8 | 13.0 | ... | ... |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | | | | | | | | |
| OWNER OCCUPIED | 6 674 | 115 | 136 | 154 | 513 | 713 | 834 | 1 632 | 1 447 | 814 | 317 | 30300 |
| LESS THAN 15 MINUTES | 1 919 | 27 | 63 | 46 | 185 | 241 | 231 | 453 | 382 | 204 | 87 | 28700 |
| 15 TO 29 MINUTES | 2 033 | 37 | 28 | 47 | 142 | 215 | 307 | 499 | 471 | 209 | 78 | 29800 |
| 30 TO 44 MINUTES | 927 | 6 | 3 | 14 | 68 | 102 | 92 | 254 | 222 | 126 | 41 | 32100 |
| 45 TO 59 MINUTES | 343 | 2 | 5 | 5 | 18 | 41 | 29 | 84 | 78 | 71 | 12 | 33700 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 212 | 4 | 2 | - | 7 | 16 | 22 | 54 | 57 | 34 | 17 | 35200 |
| 1 HOUR AND 30 MINUTES OR MORE | 64 | 2 | - | 2 | - | 8 | 3 | 22 | 9 | 14 | 3 | 32700 |
| WORKS AT HOME | 180 | 27 | 13 | 15 | 16 | 14 | 23 | 24 | 26 | 16 | 5 | 21200 |
| NO FIXED PLACE OF WORK | 995 | 11 | 22 | 26 | 77 | 75 | 126 | 241 | 201 | 140 | 74 | 31600 |
| MEDIAN | 21.1 | 19.5 | 15.0- | 18.5 | 17.6 | 19.9 | 20.4 | 21.9 | 22.2 | 24.0 | 21.1 | ... |
| RENTER OCCUPIED | 4 428 | 165 | 452 | 526 | 1 061 | 738 | 569 | 598 | 217 | 73 | 29 | 15100 |
| LESS THAN 15 MINUTES | 1 484 | 53 | 159 | 187 | 415 | 224 | 203 | 177 | 48 | 10 | 9 | 14100 |
| 15 TO 29 MINUTES | 1 526 | 55 | 151 | 180 | 363 | 273 | 183 | 211 | 77 | 24 | 8 | 15300 |
| 30 TO 44 MINUTES | 526 | 17 | 52 | 53 | 107 | 94 | 68 | 81 | 33 | 15 | 5 | 16800 |
| 45 TO 59 MINUTES | 187 | 6 | 5 | 22 | 40 | 40 | 29 | 29 | 12 | 3 | - | 17500 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 119 | - | 14 | 21 | 25 | 17 | 15 | 20 | 7 | 2 | - | 15300 |
| 1 HOUR AND 30 MINUTES OR MORE | 39 | - | 8 | 5 | 9 | 6 | 5 | 3 | 1 | - | 2 | 13500 |
| WORKS AT HOME | 96 | 17 | 13 | 11 | 14 | 11 | 7 | 12 | 5 | 7 | - | 12500 |
| NO FIXED PLACE OF WORK | 451 | 17 | 50 | 48 | 87 | 73 | 59 | 64 | 34 | 13 | 5 | 16600 |
| MEDIAN | 19.5 | 18.5 | 18.5 | 18.9 | 17.7 | 20.6 | 19.0 | 20.9 | 23.0 | 25.6 | ... | ... |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE E-3. VALUE OF OWNER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | LESS THAN $10,000 | $10,000 TO $19,999 | $20,000 TO $29,999 | $30,000 TO $39,999 | $40,000 TO $49,999 | $50,000 TO $59,999 | $60,000 TO $74,999 | $75,000 TO $99,999 | $100,000 TO $199,999 | $200,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED OWNER OCCUPIED[1] | 7 631 | 32 | 75 | 219 | 344 | 571 | 736 | 1 308 | 1 864 | 2 171 | 561 | 83800 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| UTILITY GAS | 5 753 | 18 | 42 | 145 | 208 | 365 | 479 | 894 | 1 413 | 1 750 | 437 | 87800 |
| BOTTLED, TANK, OR LP GAS | 123 | 2 | 7 | 7 | 9 | 8 | 18 | 19 | 16 | 26 | 11 | 68000 |
| FUEL OIL | 371 | 4 | - | 20 | 15 | 43 | 36 | 69 | 103 | 64 | 18 | 74700 |
| KEROSENE, ETC | 1 | - | - | - | - | - | - | - | - | 1 | - | ... |
| ELECTRICITY | 1 310 | 5 | 15 | 36 | 84 | 136 | 162 | 280 | 288 | 237 | 65 | 71600 |
| COAL OR COKE | 5 | - | - | 2 | - | - | 1 | - | 2 | - | - | ... |
| WOOD | 186 | 3 | 8 | 9 | 24 | 17 | 39 | 39 | 25 | 19 | 2 | 58100 |
| SOLAR HEAT | 7 | - | - | - | - | - | - | - | 3 | 4 | - | ... |
| OTHER FUEL | 2 | - | - | - | - | - | - | - | 2 | - | - | ... |
| NONE | 123 | - | 2 | - | 3 | 2 | - | 5 | 13 | 69 | 29 | 152800 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| ELECTRICITY PAID FOR | 7 872 | 32 | 75 | 219 | 339 | 571 | 733 | 1 308 | 1 864 | 2 171 | 561 | 83800 |
| LESS THAN $10 | 107 | - | 4 | 13 | 7 | 11 | 12 | 13 | 23 | 20 | 4 | 67400 |
| $10 TO $19 | 1 053 | 5 | 22 | 47 | 51 | 105 | 107 | 201 | 258 | 232 | 25 | 74200 |
| $20 TO $29 | 1 757 | 11 | 24 | 63 | 106 | 148 | 190 | 312 | 414 | 403 | 88 | 76500 |
| $30 TO $39 | 1 562 | 7 | 13 | 37 | 67 | 119 | 145 | 286 | 391 | 407 | 90 | 81800 |
| $40 TO $49 | 949 | 2 | 5 | 24 | 41 | 60 | 74 | 172 | 246 | 281 | 44 | 84800 |
| $50 TO $59 | 800 | 3 | 2 | 13 | 30 | 48 | 71 | 122 | 186 | 265 | 60 | 90000 |
| $60 TO $79 | 626 | 5 | 2 | 9 | 19 | 44 | 75 | 107 | 181 | 289 | 94 | 96000 |
| $80 TO $99 | 322 | - | 4 | 7 | 6 | 18 | 27 | 40 | 66 | 119 | 35 | 97400 |
| $100 TO $149 | 336 | - | - | - | 10 | 18 | 23 | 39 | 66 | 100 | 79 | 111500 |
| $150 OR MORE | 160 | - | - | 5 | 3 | - | 8 | 16 | 32 | 55 | 40 | 127900 |
| MEDIAN | 36 | ... | 25 | 27 | 31 | 32 | 34 | 34 | 35 | 41 | 54 | ... |
| NO ELECTRICITY USED | 8 | - | - | - | 5 | - | 3 | - | - | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| GAS PAID FOR | 6 312 | 22 | 58 | 156 | 239 | 393 | 557 | 1 016 | 1 512 | 1 876 | 483 | 86800 |
| LESS THAN $10 | 415 | 2 | 5 | 18 | 18 | 20 | 46 | 53 | 122 | 110 | 21 | 84300 |
| $10 TO $14 | 763 | 1 | 10 | 16 | 16 | 46 | 60 | 131 | 200 | 242 | 40 | 87600 |
| $15 TO $19 | 891 | 4 | 13 | 17 | 42 | 56 | 68 | 138 | 244 | 259 | 51 | 86100 |
| $20 TO $24 | 1 005 | 2 | 7 | 25 | 36 | 49 | 88 | 154 | 225 | 331 | 88 | 90800 |
| $25 TO $29 | 728 | 2 | 10 | 14 | 25 | 54 | 76 | 98 | 169 | 212 | 69 | 87700 |
| $30 TO $39 | 1 108 | 4 | 5 | 38 | 41 | 86 | 85 | 202 | 241 | 333 | 75 | 84800 |
| $40 TO $49 | 615 | 3 | 2 | 11 | 36 | 34 | 61 | 116 | 136 | 163 | 52 | 83000 |
| $50 TO $69 | 549 | 2 | 7 | 14 | 15 | 32 | 61 | 96 | 129 | 144 | 50 | 84400 |
| $70 TO $99 | 165 | 3 | - | 3 | 7 | 15 | 12 | 20 | 36 | 48 | 21 | 90400 |
| $100 OR MORE | 74 | - | - | - | 4 | - | - | 9 | 11 | 35 | 16 | 139900 |
| MEDIAN | 25 | ... | 21 | 25 | 26 | 27 | 26 | 26 | 23 | 24 | 27 | ... |
| NO GAS USED | 1 569 | 10 | 17 | 62 | 105 | 178 | 178 | 292 | 352 | 295 | 78 | 71900 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 1 223 | 5 | 6 | 41 | 63 | 86 | 146 | 215 | 294 | 289 | 79 | 79200 |
| LESS THAN $100 | 337 | - | 3 | 2 | 13 | 11 | 49 | 66 | 82 | 85 | 25 | 82400 |
| $100 TO $199 | 350 | - | 2 | 7 | 19 | 27 | 42 | 49 | 83 | 100 | 21 | 83800 |
| $200 TO $299 | 151 | 3 | - | 7 | 11 | 6 | 8 | 25 | 41 | 35 | 14 | 83700 |
| $300 TO $399 | 83 | - | - | 2 | 9 | 14 | 13 | 17 | 13 | 15 | 1 | 64200 |
| $400 TO $499 | 76 | - | 1 | 7 | 6 | 9 | 9 | 21 | 19 | 3 | - | 63800 |
| $500 TO $599 | 61 | - | - | - | 2 | 4 | 11 | 10 | 16 | 13 | 7 | 82200 |
| $600 TO $699 | 49 | 2 | - | 7 | 2 | 5 | 2 | 2 | 17 | 8 | 3 | 81000 |
| $700 TO $799 | 25 | - | - | 2 | - | 4 | 2 | 5 | 7 | 5 | - | ... |
| $800 OR MORE | 91 | - | - | 7 | 2 | 6 | 10 | 18 | 16 | 24 | 7 | 78500 |
| MEDIAN | 178 | ... | ... | 441 | 195 | 280 | 156 | 183 | 177 | 159 | 165 | ... |
| FUELS NOT USED OR FREE | 6 658 | 27 | 69 | 178 | 281 | 485 | 590 | 1 093 | 1 570 | 1 882 | 482 | 84600 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 4 920 | 12 | 12 | 72 | 149 | 295 | 439 | 811 | 1 185 | 1 518 | 427 | 89100 |
| HEAT PUMP | 207 | - | - | - | 2 | 7 | 15 | 37 | 65 | 70 | 12 | 91700 |
| STEAM OR HOT WATER | 176 | - | - | 2 | 4 | 13 | 14 | 22 | 37 | 67 | 18 | 97900 |
| BUILT-IN ELECTRIC UNITS | 457 | - | 12 | 24 | 56 | 65 | 50 | 97 | 78 | 56 | 19 | 63300 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 322 | 2 | 14 | 51 | 62 | 111 | 122 | 222 | 381 | 320 | 37 | 80000 |
| ROOM HEATERS WITH FLUE | 193 | 10 | 9 | 33 | 17 | 31 | 17 | 24 | 31 | 15 | 7 | 48900 |
| ROOM HEATERS WITHOUT FLUE | 37 | - | 7 | 12 | 3 | 4 | 2 | 4 | - | 4 | - | 29000 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 447 | 9 | 18 | 25 | 50 | 44 | 77 | 85 | 75 | 53 | 11 | 60300 |
| NONE | 123 | - | 2 | - | 3 | 2 | - | 5 | 13 | 69 | 29 | 152800 |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 32 | 75 | 219 | 344 | 571 | 736 | 1 308 | 1 864 | 2 171 | 561 | 83800 |
| UNITS OCCUPIED LAST WINTER | 7 450 | 29 | 71 | 213 | 336 | 543 | 704 | 1 218 | 1 769 | 2 029 | 537 | 83600 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| WITH HEATING EQUIPMENT | 7 332 | 29 | 69 | 213 | 333 | 542 | 704 | 1 212 | 1 756 | 1 966 | 508 | 83000 |
| NO ROOMS CLOSED | 7 089 | 27 | 68 | 202 | 321 | 519 | 669 | 1 182 | 1 697 | 1 914 | 491 | 83200 |
| CLOSED CERTAIN ROOMS | 144 | - | 2 | 7 | 9 | 15 | 16 | 20 | 39 | 27 | 10 | 77100 |
| LIVING ROOM ONLY | - | - | - | - | - | - | - | - | - | - | - | - |
| DINING ROOM ONLY | 4 | - | - | - | - | - | 2 | - | 2 | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 99 | - | 2 | 7 | 5 | 11 | 12 | 14 | 24 | 16 | 7 | 72400 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 33 | - | - | - | 3 | 2 | 2 | 6 | 13 | 4 | 3 | ... |
| NOT REPORTED | 8 | - | - | - | - | 2 | - | - | - | 6 | - | ... |
| NOT REPORTED | 100 | 2 | - | 4 | 4 | 7 | 20 | 11 | 20 | 25 | 7 | 78900 |
| NO HEATING EQUIPMENT | 117 | - | 2 | - | 3 | 2 | - | 5 | 13 | 64 | 29 | 153000 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE E-3. VALUE OF OWNER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | LESS THAN $10,000 | $10,000 TO $19,999 | $20,000 TO $29,999 | $30,000 TO $39,999 | $40,000 TO $49,999 | $50,000 TO $59,999 | $60,000 TO $74,999 | $75,000 TO $99,999 | $100,000 TO $199,999 | $200,000 OR MORE | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED OWNER OCCUPIED[1]--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 6 867 | 20 | 44 | 178 | 282 | 494 | 628 | 1 128 | 1 684 | 1 912 | 497 | 84800 |
| NO ADDITIONAL HEAT SOURCE USED | 6 349 | 17 | 38 | 147 | 248 | 459 | 600 | 1 063 | 1 554 | 1 758 | 466 | 84700 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 398 | 3 | 6 | 25 | 26 | 34 | 19 | 48 | 97 | 121 | 18 | 84500 |
| NOT REPORTED | 121 | - | - | 5 | 8 | 1 | 9 | 17 | 34 | 34 | 12 | 89200 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 583 | 9 | 27 | 36 | 54 | 49 | 76 | 89 | 84 | 117 | 40 | 66700 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 6 867 | 20 | 44 | 178 | 282 | 494 | 628 | 1 128 | 1 684 | 1 912 | 497 | 84800 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 4 949 | 3 | 18 | 78 | 181 | 314 | 439 | 827 | 1 187 | 1 484 | 417 | 87900 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 795 | 17 | 27 | 92 | 97 | 177 | 176 | 280 | 460 | 401 | 69 | 76700 |
| 1 ROOM | 475 | 2 | 8 | 18 | 24 | 34 | 66 | 67 | 117 | 106 | 33 | 79000 |
| 2 ROOMS | 527 | 3 | 10 | 37 | 41 | 64 | 45 | 80 | 113 | 113 | 20 | 71900 |
| 3 ROOMS OR MORE | 794 | 12 | 9 | 38 | 32 | 78 | 65 | 133 | 229 | 182 | 15 | 78300 |
| NOT REPORTED | -123 | - | - | 7 | 3 | 3 | 13 | 21 | 37 | 27 | 10 | 83900 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 583 | 9 | 27 | 36 | 54 | 49 | 76 | 89 | 84 | 117 | 40 | 66700 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 6 867 | 20 | 44 | 178 | 282 | 494 | 628 | 1 128 | 1 684 | 1 912 | 497 | 84800 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 583 | 9 | 27 | 36 | 54 | 49 | 76 | 89 | 84 | 117 | 40 | 66700 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 485 | 5 | 19 | 27 | 41 | 46 | 68 | 81 | 61 | 105 | 31 | 66700 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 44 | 3 | 5 | 2 | 10 | - | 4 | 2 | 9 | 8 | 2 | 55200 |
| NOT REPORTED | 54 | - | 3 | 7 | 3 | 4 | 4 | 7 | 14 | 5 | 7 | 72700 |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 32 | 75 | 219 | 344 | 571 | 736 | 1 308 | 1 864 | 2 171 | 561 | 83800 |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 889 | 5 | 14 | 65 | 97 | 198 | 298 | 501 | 657 | 823 | 231 | 85100 |
| ROOM UNITS | 963 | 5 | 9 | 52 | 63 | 104 | 110 | 151 | 197 | 234 | 38 | 73800 |
| 1 | 747 | 5 | 3 | 46 | 59 | 75 | 89 | 115 | 152 | 176 | 27 | 72500 |
| 2 | 177 | - | 3 | 5 | 4 | 25 | 12 | 31 | 42 | 47 | 8 | 79800 |
| 3 | 30 | - | 2 | - | - | 4 | 7 | 6 | 2 | 9 | - | ... |
| 4 | 8 | - | - | - | - | - | 2 | - | 2 | 2 | 2 | ... |
| 5 OR MORE | 2 | - | - | - | - | - | - | - | - | - | 2 | ... |
| CENTRAL SYSTEM | 1 926 | - | 5 | 14 | 34 | 94 | 188 | 350 | 459 | 589 | 193 | 90100 |
| WITH NO AIR CONDITIONING | 4 991 | 27 | 61 | 154 | 247 | 372 | 438 | 807 | 1 207 | 1 348 | 330 | 83100 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE E-4. GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | LESS THAN $100 | $100 TO $149 | $150 TO $199 | $200 TO $249 | $250 TO $299 | $300 TO $349 | $350 TO $399 | $400 TO $499 | $500 OR MORE | NO CASH RENT | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 306 | 350 | 576 | 820 | 944 | 913 | 713 | 883 | 749 | 225 | 307 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| UTILITY GAS | 3 985 | 88 | 203 | 405 | 515 | 582 | 559 | 444 | 554 | 520 | 114 | 312 |
| BOTTLED, TANK, OR LP GAS | 78 | 12 | 6 | 2 | 17 | 8 | 6 | - | 6 | 5 | 16 | 232 |
| FUEL OIL | 162 | 4 | 15 | 10 | 47 | 28 | 18 | 8 | 15 | 13 | 4 | 255 |
| KEROSENE, ETC | 2 | - | - | 2 | - | - | - | - | - | - | - | ... |
| ELECTRICITY | 1 891 | 185 | 86 | 93 | 179 | 296 | 305 | 236 | 279 | 166 | 64 | 312 |
| COAL OR COKE | 8 | - | - | 5 | 2 | - | - | - | - | - | 2 | ... |
| WOOD | 92 | 5 | 16 | 17 | 20 | 6 | 1 | 6 | 2 | 9 | 11 | 209 |
| SOLAR HEAT | 5 | - | - | - | - | - | 2 | 2 | - | - | 1 | ... |
| OTHER FUEL | 26 | 5 | 3 | 5 | 9 | 2 | - | - | - | 2 | - | ... |
| NONE | 229 | 7 | 20 | 37 | 32 | 22 | 20 | 17 | 27 | 34 | 12 | 277 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | | |
| ELECTRICITY PAID FOR | 5 251 | 81 | 211 | 386 | 628 | 844 | 816 | 649 | 792 | 711 | 134 | 325 |
| LESS THAN $10 | 663 | 23 | 37 | 81 | 85 | 133 | 134 | 70 | 73 | 19 | 8 | 287 |
| $10 TO $19 | 1 622 | 28 | 85 | 158 | 251 | 272 | 249 | 223 | 173 | 153 | 31 | 300 |
| $20 TO $29 | 1 214 | 16 | 53 | 70 | 153 | 208 | 199 | 136 | 195 | 152 | 32 | 322 |
| $30 TO $39 | 709 | 8 | 17 | 40 | 77 | 106 | 109 | 93 | 147 | 95 | 17 | 344 |
| $40 TO $49 | 392 | 2 | 10 | 18 | 32 | 64 | 62 | 44 | 58 | 87 | 14 | 351 |
| $50 TO $59 | 268 | 5 | 4 | 16 | 19 | 35 | 30 | 39 | 51 | 48 | 22 | 369 |
| $60 TO $79 | 199 | - | 2 | 1 | 7 | 18 | 24 | 36 | 56 | 51 | 3 | 417 |
| $80 TO $99 | 66 | - | 3 | 2 | 3 | 5 | 3 | 4 | 18 | 26 | 2 | 467 |
| $100 TO $149 | 74 | - | - | 2 | - | 2 | 2 | 5 | 12 | 46 | 5 | 500+ |
| $150 OR MORE | 44 | - | - | - | - | - | 4 | - | 7 | 34 | - | 500+ |
| MEDIAN | 23 | 16 | 17 | 16 | 18 | 21 | 21 | 22 | 27 | 33 | 28 | ... |
| INCLUDED IN RENT | 1 198 | 220 | 134 | 185 | 188 | 98 | 94 | 64 | 88 | 38 | 91 | 204 |
| NO ELECTRICITY USED | 28 | 5 | 5 | 5 | 5 | 2 | 3 | - | 3 | - | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | | |
| GAS PAID FOR | 3 433 | 43 | 129 | 261 | 427 | 532 | 511 | 399 | 504 | 539 | 87 | 327 |
| LESS THAN $10 | 966 | 25 | 41 | 60 | 141 | 173 | 190 | 117 | 122 | 71 | 26 | 308 |
| $10 TO $14 | 793 | 7 | 30 | 73 | 98 | 129 | 106 | 104 | 114 | 120 | 11 | 325 |
| $15 TO $19 | 518 | 3 | 21 | 52 | 66 | 71 | 64 | 53 | 90 | 86 | 11 | 331 |
| $20 TO $24 | 352 | - | 20 | 36 | 48 | 40 | 47 | 30 | 54 | 63 | 15 | 326 |
| $25 TO $29 | 240 | 4 | 9 | 13 | 29 | 33 | 38 | 30 | 28 | 48 | 8 | 336 |
| $30 TO $39 | 274 | 2 | 5 | 11 | 21 | 50 | 36 | 34 | 50 | 55 | 9 | 359 |
| $40 TO $49 | 113 | 2 | 2 | 8 | 7 | 13 | 13 | 14 | 19 | 34 | 1 | 387 |
| $50 TO $69 | 125 | - | 1 | 7 | 10 | 21 | 12 | 11 | 19 | 40 | 3 | 394 |
| $70 TO $99 | 32 | - | - | - | 7 | 4 | 5 | 5 | 5 | 5 | 2 | ... |
| $100 OR MORE | 20 | - | - | - | - | - | - | - | 3 | 16 | 1 | ... |
| MEDIAN | 14 | 10- | 13 | 14 | 13 | 13 | 12 | 13 | 16 | 19 | 17 | ... |
| INCLUDED IN RENT | 1 322 | 103 | 122 | 215 | 196 | 162 | 127 | 112 | 153 | 52 | 80 | 245 |
| NO GAS USED | 1 722 | 160 | 99 | 99 | 197 | 250 | 274 | 202 | 226 | 158 | 57 | 305 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | | | | |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 282 | 3 | 9 | 21 | 24 | 33 | 25 | 39 | 53 | 64 | 11 | 376 |
| LESS THAN $100 | 84 | 2 | - | 8 | 8 | 12 | 10 | 10 | 14 | 21 | - | 363 |
| $100 TO $199 | 82 | 2 | 5 | 6 | 5 | 8 | 3 | 8 | 22 | 19 | 4 | 411 |
| $200 TO $299 | 26 | - | - | 2 | - | 1 | 3 | 1 | 7 | 10 | 3 | ... |
| $300 TO $399 | 27 | - | 3 | - | 5 | 2 | 3 | 6 | 3 | 4 | 2 | ... |
| $400 TO $499 | 24 | - | - | 5 | 3 | 6 | 3 | 2 | 2 | 4 | - | ... |
| $500 TO $599 | 3 | - | - | - | - | 2 | - | - | - | 2 | - | ... |
| $600 TO $699 | 10 | - | 2 | - | - | - | 3 | 5 | - | - | - | ... |
| $700 TO $799 | - | - | - | - | - | - | - | - | - | - | - | - |
| $800 OR MORE | 26 | - | - | - | 4 | 3 | - | 7 | 5 | 4 | 3 | ... |
| MEDIAN | 169 | ... | ... | ... | ... | ... | ... | 305 | 155 | 157 | ... | ... |
| INCLUDED IN RENT | 356 | 16 | 46 | 58 | 45 | 48 | 36 | 25 | 40 | 27 | 14 | 256 |
| FUELS NOT USED OR FREE | 5 840 | 286 | 295 | 497 | 751 | 863 | 851 | 649 | 790 | 658 | 199 | 307 |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 1 943 | 57 | 44 | 80 | 173 | 250 | 261 | 236 | 347 | 406 | 89 | 363 |
| HEAT PUMP | 48 | 5 | 2 | 1 | 3 | 5 | 11 | 6 | 3 | 11 | - | 334 |
| STEAM OR HOT WATER | 348 | 12 | 24 | 53 | 76 | 52 | 35 | 19 | 47 | 22 | 10 | 255 |
| BUILT-IN ELECTRIC UNITS | 1 283 | 142 | 66 | 75 | 141 | 213 | 202 | 154 | 172 | 80 | 37 | 295 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 039 | 45 | 110 | 207 | 290 | 334 | 346 | 242 | 256 | 171 | 39 | 302 |
| ROOM HEATERS WITH FLUE | 293 | 12 | 46 | 53 | 54 | 40 | 28 | 21 | 24 | 9 | 6 | 230 |
| ROOM HEATERS WITHOUT FLUE | 64 | 7 | 8 | 19 | 8 | 7 | 4 | 2 | 3 | 1 | 6 | 187 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 230 | 19 | 31 | 49 | 43 | 22 | 6 | 16 | 5 | 13 | 26 | 203 |
| NONE | 229 | 7 | 20 | 37 | 32 | 22 | 20 | 17 | 27 | 34 | 12 | 277 |
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 306 | 350 | 576 | 820 | 944 | 913 | 713 | 883 | 749 | 225 | 307 |
| UNITS OCCUPIED LAST WINTER | 4 036 | 242 | 262 | 394 | 511 | 606 | 572 | 433 | 477 | 392 | 148 | 293 |
| INSUFFICIENT HEAT | | | | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | | | | |
| WITH HEATING EQUIPMENT | 3 863 | 235 | 245 | 366 | 486 | 591 | 554 | 420 | 461 | 367 | 137 | 294 |
| NO ROOMS CLOSED | 3 654 | 222 | 230 | 348 | 461 | 564 | 530 | 409 | 436 | 326 | 129 | 294 |
| CLOSED CERTAIN ROOMS | 112 | 5 | 13 | 10 | 15 | 18 | 16 | 6 | 12 | 12 | 4 | 277 |
| LIVING ROOM ONLY | 5 | - | - | - | - | 2 | - | - | 2 | 2 | - | ... |
| DINING ROOM ONLY | 2 | - | - | - | - | 2 | - | - | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 80 | 5 | 10 | 8 | 12 | 11 | 15 | 4 | 5 | 5 | 4 | 261 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 22 | - | 3 | 2 | 3 | 2 | - | 2 | 5 | 5 | - | ... |
| NOT REPORTED | 3 | - | - | - | - | 2 | 2 | - | - | - | - | ... |
| NOT REPORTED | 97 | 8 | 2 | 8 | 10 | 9 | 8 | 5 | 14 | 30 | 3 | 369 |
| NO HEATING EQUIPMENT | 173 | 7 | 17 | 28 | 25 | 15 | 18 | 12 | 15 | 24 | 12 | 263 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE E-4. GROSS RENT OF RENTER-OCCUPIED HOUSING UNITS BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | LESS THAN $100 | $100 TO $149 | $150 TO $199 | $200 TO $249 | $250 TO $299 | $300 TO $349 | $350 TO $399 | $400 TO $499 | $500 OR MORE | NO CASH RENT | MEDIAN (DOLLARS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPECIFIED RENTER OCCUPIED[1]--CONTINUED | | | | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | | | | |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 3 663 | 213 | 220 | 321 | 445 | 574 | 549 | 410 | 457 | 362 | 113 | 300 |
| NO ADDITIONAL HEAT SOURCE USED | 3 241 | 192 | 184 | 281 | 390 | 504 | 489 | 382 | 404 | 320 | 94 | 302 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 330 | 13 | 34 | 34 | 44 | 57 | 53 | 23 | 35 | 20 | 16 | 276 |
| NOT REPORTED | 92 | 8 | 1 | 5 | 10 | 13 | 8 | 5 | 18 | 21 | 3 | 351 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 373 | 30 | 42 | 73 | 66 | 32 | 23 | 22 | 20 | 30 | 35 | 218 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 3 663 | 213 | 220 | 321 | 445 | 574 | 549 | 410 | 457 | 362 | 113 | 300 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 195 | 183 | 120 | 149 | 235 | 326 | 299 | 260 | 301 | 251 | 71 | 308 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 374 | 23 | 99 | 165 | 200 | 236 | 242 | 141 | 138 | 88 | 42 | 287 |
| 1 ROOM | 473 | 10 | 44 | 75 | 85 | 78 | 81 | 50 | 32 | 8 | 10 | 260 |
| 2 ROOMS | 554 | 7 | 31 | 53 | 69 | 101 | 106 | 66 | 73 | 32 | 16 | 304 |
| 3 ROOMS OR MORE | 347 | 5 | 24 | 37 | 45 | 57 | 55 | 25 | 33 | 49 | 16 | 296 |
| NOT REPORTED | 93 | 8 | - | 7 | 10 | 11 | 8 | 9 | 18 | 23 | - | 366 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 373 | 30 | 42 | 73 | 66 | 32 | 23 | 22 | 20 | 30 | 35 | 218 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | | | | |
| WITH SPECIFIED HEATING EQUIPMENT[2] | 3 663 | 213 | 220 | 321 | 445 | 574 | 549 | 410 | 457 | 362 | 113 | 300 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 373 | 30 | 42 | 73 | 66 | 32 | 23 | 22 | 20 | 30 | 35 | 218 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 284 | 17 | 34 | 58 | 49 | 22 | 18 | 21 | 19 | 23 | 23 | 221 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 54 | 7 | 6 | 7 | 12 | 3 | 3 | - | - | 4 | 12 | 206 |
| NOT REPORTED | 35 | 6 | 2 | 8 | 5 | 7 | 2 | 2 | 2 | 3 | - | 218 |
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 306 | 350 | 576 | 820 | 944 | 913 | 713 | 883 | 749 | 225 | 307 |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 051 | 80 | 67 | 121 | 199 | 284 | 314 | 294 | 315 | 297 | 81 | 337 |
| ROOM UNITS | 1 058 | 27 | 43 | 85 | 121 | 155 | 161 | 157 | 149 | 112 | 48 | 322 |
| 1 | 957 | 27 | 41 | 80 | 114 | 140 | 148 | 141 | 143 | 89 | 35 | 320 |
| 2 | 82 | - | 2 | 3 | 5 | 11 | 13 | 16 | 7 | 17 | 8 | 360 |
| 3 | 15 | - | - | - | - | 5 | - | - | - | 5 | 5 | ... |
| 4 | 4 | - | - | 2 | 2 | - | - | - | - | - | - | ... |
| 5 OR MORE | - | - | - | - | - | - | - | - | - | - | - | - |
| CENTRAL SYSTEM | 993 | 53 | 25 | 36 | 78 | 128 | 153 | 137 | 165 | 185 | 33 | 353 |
| WITH NO AIR CONDITIONING | 4 426 | 226 | 283 | 454 | 621 | 660 | 599 | 419 | 568 | 452 | 144 | 291 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE E-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 10 627 | 1 832 | 844 | 758 | 1 258 | 1 010 |
| HOUSE HEATING FUEL | | | | | | | |
| OWNER OCCUPIED | 9 765 | 8 384 | 292 | 89 | 62 | 79 | 858 |
| UTILITY GAS | 6 714 | 5 947 | 208 | 38 | 21 | 31 | 470 |
| BOTTLED, TANK, OR LP GAS | 293 | 160 | - | - | - | - | 133 |
| FUEL OIL | 436 | 418 | 4 | 4 | 2 | - | 8 |
| KEROSENE, ETC | 1 | 1 | - | - | - | - | - |
| ELECTRICITY | 1 865 | 1 468 | 74 | 44 | 35 | 26 | 219 |
| COAL OR COKE | 10 | 10 | - | - | - | - | - |
| WOOD | 279 | 249 | 2 | 2 | - | - | 27 |
| SOLAR HEAT | 7 | 7 | - | - | - | - | - |
| OTHER FUEL | 2 | 2 | - | - | - | - | - |
| NONE | 158 | 123 | 5 | 2 | 4 | 22 | 2 |
| RENTER OCCUPIED | 6 564 | 2 243 | 1 540 | 754 | 696 | 1 179 | 151 |
| UTILITY GAS | 4 002 | 1 513 | 1 056 | 486 | 373 | 504 | 70 |
| BOTTLED, TANK, OR LP GAS | 93 | 47 | 7 | 2 | - | 2 | 36 |
| FUEL OIL | 180 | 64 | 23 | 5 | 14 | 71 | 3 |
| KEROSENE, ETC | 2 | - | 2 | - | - | - | - |
| ELECTRICITY | 1 905 | 418 | 400 | 247 | 289 | 512 | 39 |
| COAL OR COKE | 8 | 5 | 3 | - | - | - | - |
| WOOD | 111 | 101 | 7 | 2 | - | - | 2 |
| SOLAR HEAT | 5 | 1 | - | 2 | 2 | - | - |
| OTHER FUEL | 27 | 2 | - | - | 3 | 22 | - |
| NONE | 231 | 92 | 43 | 10 | 15 | 69 | 1 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 7 881 | ... | ... | ... | ... | ... |
| ELECTRICITY PAID FOR | 7 872 | 7 872 | ... | ... | ... | ... | ... |
| LESS THAN $10 | 107 | 107 | ... | ... | ... | ... | ... |
| $10 TO $19 | 1 053 | 1 053 | ... | ... | ... | ... | ... |
| $20 TO $29 | 1 757 | 1 757 | ... | ... | ... | ... | ... |
| $30 TO $39 | 1 562 | 1 562 | ... | ... | ... | ... | ... |
| $40 TO $49 | 949 | 949 | ... | ... | ... | ... | ... |
| $50 TO $59 | 800 | 800 | ... | ... | ... | ... | ... |
| $60 TO $79 | 826 | 826 | ... | ... | ... | ... | ... |
| $80 TO $99 | 322 | 322 | ... | ... | ... | ... | ... |
| $100 TO $149 | 336 | 336 | ... | ... | ... | ... | ... |
| $150 OR MORE | 160 | 160 | ... | ... | ... | ... | ... |
| MEDIAN | 36 | 36 | ... | ... | ... | ... | ... |
| NO ELECTRICITY USED | 8 | 8 | ... | ... | ... | ... | ... |
| SPECIFIED RENTER OCCUPIED[2] | 6 477 | 2 157 | 1 540 | 754 | 696 | 1 179 | 151 |
| ELECTRICITY PAID FOR | 5 251 | 1 947 | 1 313 | 612 | 570 | 693 | 115 |
| LESS THAN $10 | 663 | 94 | 197 | 115 | 108 | 142 | 8 |
| $10 TO $19 | 1 622 | 418 | 497 | 230 | 213 | 229 | 35 |
| $20 TO $29 | 1 214 | 498 | 277 | 142 | 111 | 160 | 26 |
| $30 TO $39 | 709 | 337 | 153 | 55 | 57 | 78 | 29 |
| $40 TO $49 | 392 | 223 | 68 | 30 | 29 | 38 | 3 |
| $50 TO $59 | 268 | 155 | 62 | 16 | 14 | 14 | 6 |
| $60 TO $79 | 199 | 94 | 39 | 14 | 26 | 20 | 5 |
| $80 TO $99 | 66 | 42 | 5 | 4 | 5 | 9 | 1 |
| $100 TO $149 | 74 | 57 | 7 | 2 | 6 | 2 | - |
| $150 OR MORE | 44 | 27 | 9 | 5 | - | 2 | 2 |
| MEDIAN | 23 | 28 | 18 | 17 | 17 | 18 | 25 |
| INCLUDED IN RENT | 1 198 | 205 | 224 | 135 | 124 | 474 | 36 |
| NO ELECTRICITY USED | 28 | 5 | 3 | 7 | 2 | 11 | - |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 7 881 | ... | ... | ... | ... | ... |
| GAS PAID FOR | 6 312 | 6 312 | ... | ... | ... | ... | ... |
| LESS THAN $10 | 415 | 415 | ... | ... | ... | ... | ... |
| $10 TO $14 | 763 | 763 | ... | ... | ... | ... | ... |
| $15 TO $19 | 891 | 891 | ... | ... | ... | ... | ... |
| $20 TO $24 | 1 005 | 1 005 | ... | ... | ... | ... | ... |
| $25 TO $29 | 728 | 728 | ... | ... | ... | ... | ... |
| $30 TO $39 | 1 108 | 1 108 | ... | ... | ... | ... | ... |
| $40 TO $49 | 615 | 615 | ... | ... | ... | ... | ... |
| $50 TO $69 | 549 | 549 | ... | ... | ... | ... | ... |
| $70 TO $99 | 165 | 165 | ... | ... | ... | ... | ... |
| $100 OR MORE | 74 | 74 | ... | ... | ... | ... | ... |
| MEDIAN | 25 | 25 | ... | ... | ... | ... | ... |
| NO GAS USED | 1 569 | 1 569 | ... | ... | ... | ... | ... |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE E-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 2 157 | 1 540 | 754 | 696 | 1 179 | 151 |
| GAS PAID FOR | 3 433 | 1 507 | 932 | 359 | 277 | 280 | 75 |
| LESS THAN $10 | 966 | 167 | 289 | 167 | 153 | 179 | 11 |
| $10 TO $14 | 793 | 338 | 252 | 82 | 66 | 48 | 6 |
| $15 TO $19 | 518 | 234 | 158 | 54 | 29 | 22 | 21 |
| $20 TO $24 | 352 | 209 | 80 | 25 | 12 | 17 | 10 |
| $25 TO $29 | 240 | 152 | 58 | 10 | 2 | 2 | 16 |
| $30 TO $39 | 274 | 201 | 43 | 12 | 9 | 7 | 3 |
| $40 TO $49 | 113 | 87 | 19 | - | 1 | - | 5 |
| $50 TO $69 | 125 | 92 | 23 | 4 | 4 | 2 | - |
| $70 TO $99 | 32 | 16 | 3 | 4 | 2 | 2 | 6 |
| $100 OR MORE | 20 | 10 | 6 | 2 | - | 2 | - |
| MEDIAN | 14 | 20 | 13 | 11 | 10- | 10- | 20 |
| INCLUDED IN RENT | 1 322 | 216 | 278 | 165 | 181 | 443 | 40 |
| NO GAS USED | 1 722 | 434 | 330 | 230 | 238 | 456 | 34 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 7 881 | 7 881 | ... | ... | ... | ... | ... |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 1 223 | 1 223 | ... | ... | ... | ... | ... |
| LESS THAN $100 | 337 | 337 | ... | ... | ... | ... | ... |
| $100 TO $199 | 350 | 350 | ... | ... | ... | ... | ... |
| $200 TO $299 | 151 | 151 | ... | ... | ... | ... | ... |
| $300 TO $399 | 83 | 83 | ... | ... | ... | ... | ... |
| $400 TO $499 | 76 | 76 | ... | ... | ... | ... | ... |
| $500 TO $599 | 61 | 61 | ... | ... | ... | ... | ... |
| $600 TO $699 | 49 | 49 | ... | ... | ... | ... | ... |
| $700 TO $799 | 25 | 25 | ... | ... | ... | ... | ... |
| $800 OR MORE | 91 | 91 | ... | ... | ... | ... | ... |
| MEDIAN | 178 | 178 | ... | ... | ... | ... | ... |
| FUELS NOT USED OR FREE | 6 658 | 6 658 | ... | ... | ... | ... | ... |
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 2 157 | 1 540 | 754 | 696 | 1 179 | 151 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 282 | 225 | 29 | 9 | 2 | 7 | 9 |
| LESS THAN $100 | 84 | 54 | 9 | 9 | 2 | 7 | 3 |
| $100 TO $199 | 82 | 67 | 16 | - | - | - | - |
| $200 TO $299 | 26 | 21 | 3 | - | - | - | 2 |
| $300 TO $399 | 27 | 24 | - | - | - | - | 3 |
| $400 TO $499 | 24 | 24 | - | - | - | - | - |
| $500 TO $599 | 3 | 3 | - | - | - | - | - |
| $600 TO $699 | 10 | 8 | 2 | - | - | - | - |
| $700 TO $799 | - | - | - | - | - | - | - |
| $800 OR MORE | 26 | 24 | - | - | - | - | 2 |
| MEDIAN | 169 | 187 | ... | ... | ... | ... | ... |
| INCLUDED IN RENT | 356 | 87 | 109 | 34 | 35 | 90 | 2 |
| FUELS NOT USED OR FREE | 5 840 | 1 844 | 1 402 | 712 | 659 | 1 082 | 141 |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 10 627 | 1 832 | 844 | 758 | 1 258 | 1 010 |
| HEATING EQUIPMENT | | | | | | | |
| OWNER OCCUPIED | 9 765 | 8 384 | 292 | 89 | 62 | 79 | 858 |
| WARM-AIR FURNACE | 6 114 | 5 174 | 166 | 45 | 20 | 29 | 680 |
| HEAT PUMP | 253 | 235 | 3 | - | - | 1 | 14 |
| STEAM OR HOT WATER | 212 | 187 | 9 | 2 | 5 | 8 | - |
| BUILT-IN ELECTRIC UNITS | 683 | 527 | 46 | 31 | 33 | 17 | 29 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 448 | 1 349 | 46 | 8 | - | - | 45 |
| ROOM HEATERS WITH FLUE | 244 | 215 | 9 | - | - | 2 | 18 |
| ROOM HEATERS WITHOUT FLUE | 47 | 39 | - | - | - | - | 8 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 606 | 535 | 6 | 2 | - | - | 63 |
| NONE | 158 | 123 | 5 | 2 | 4 | 22 | 2 |
| RENTER OCCUPIED | 6 564 | 2 243 | 1 540 | 754 | 696 | 1 179 | 151 |
| WARM-AIR FURNACE | 1 961 | 759 | 450 | 179 | 187 | 294 | 92 |
| HEAT PUMP | 48 | 17 | 7 | 10 | 5 | 11 | - |
| STEAM OR HOT WATER | 352 | 20 | 43 | 50 | 47 | 191 | - |
| BUILT-IN ELECTRIC UNITS | 1 292 | 248 | 284 | 175 | 203 | 366 | 15 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 055 | 752 | 555 | 275 | 210 | 242 | 19 |
| ROOM HEATERS WITH FLUE | 305 | 135 | 100 | 29 | 27 | 5 | 8 |
| ROOM HEATERS WITHOUT FLUE | 67 | 30 | 18 | 14 | 2 | - | 3 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 254 | 190 | 40 | 12 | - | - | 13 |
| NONE | 231 | 92 | 43 | 10 | 15 | 69 | 1 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE E-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 10 627 | 1 832 | 844 | 758 | 1 258 | 1 010 |
| UNITS OCCUPIED LAST WINTER | 13 231 | 9 367 | 1 220 | 570 | 456 | 767 | 851 |
| INSUFFICIENT HEAT | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | |
| OWNER OCCUPIED | 9 138 | 7 913 | 269 | 78 | 48 | 63 | 767 |
| WITH HEATING EQUIPMENT | 8 987 | 7 795 | 264 | 76 | 44 | 40 | 767 |
| NO ROOMS CLOSED | 8 688 | 7 538 | 255 | 76 | 44 | 38 | 736 |
| CLOSED CERTAIN ROOMS | 170 | 150 | 5 | - | - | 2 | 13 |
| LIVING ROOM ONLY | - | - | - | - | - | - | - |
| DINING ROOM ONLY | 4 | 4 | - | - | - | - | - |
| 1 OR MORE BEDROOMS ONLY | 114 | 101 | 3 | - | - | - | 10 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 45 | 38 | 2 | - | - | 2 | 3 |
| NOT REPORTED | 8 | 8 | - | - | - | - | - |
| NOT REPORTED | 129 | 107 | 4 | - | - | - | 18 |
| NO HEATING EQUIPMENT | 151 | 117 | 5 | 2 | 4 | 22 | - |
| RENTER OCCUPIED | 4 093 | 1 455 | 951 | 492 | 408 | 704 | 84 |
| WITH HEATING EQUIPMENT | 3 920 | 1 378 | 915 | 483 | 403 | 658 | 82 |
| NO ROOMS CLOSED | 3 708 | 1 273 | 873 | 459 | 389 | 638 | 76 |
| CLOSED CERTAIN ROOMS | 114 | 65 | 30 | 5 | 4 | 5 | 5 |
| LIVING ROOM ONLY | 5 | 3 | 2 | - | - | - | - |
| DINING ROOM ONLY | 2 | - | - | 2 | - | - | - |
| 1 OR MORE BEDROOMS ONLY | 80 | 47 | 21 | - | 4 | 3 | 5 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 24 | 14 | 5 | 3 | - | 2 | - |
| NOT REPORTED | 3 | 2 | 2 | - | - | - | - |
| NOT REPORTED | 98 | 39 | 13 | 19 | 11 | 15 | 2 |
| NO HEATING EQUIPMENT | 173 | 77 | 35 | 9 | 5 | 46 | 1 |
| ADDITIONAL HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 9 138 | 7 913 | 269 | 78 | 48 | 63 | 767 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 7 245 | 258 | 75 | 44 | 40 | 706 |
| NO ADDITIONAL HEAT SOURCE USED | 7 767 | 6 706 | 246 | 70 | 44 | 32 | 668 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 445 | 408 | 10 | 4 | - | 6 | 16 |
| NOT REPORTED | 155 | 130 | 2 | - | - | 2 | 22 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 668 | 12 | 4 | 4 | 22 | 61 |
| RENTER OCCUPIED | 4 093 | 1 455 | 951 | 492 | 408 | 704 | 84 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 1 214 | 884 | 468 | 403 | 658 | 71 |
| NO ADDITIONAL HEAT SOURCE USED | 3 272 | 1 038 | 789 | 413 | 379 | 591 | 62 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 334 | 140 | 75 | 37 | 19 | 54 | 9 |
| NOT REPORTED | 92 | 36 | 20 | 18 | 5 | 13 | - |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 240 | 67 | 24 | 5 | 46 | 13 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 9 138 | 7 913 | 269 | 78 | 48 | 63 | 767 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 7 245 | 258 | 75 | 44 | 40 | 706 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 6 254 | 5 253 | 199 | 67 | 44 | 38 | 653 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 958 | 1 857 | 57 | 8 | - | - | 36 |
| 1 ROOM | 533 | 490 | 15 | 2 | - | - | 27 |
| 2 ROOMS | 572 | 537 | 28 | 2 | - | - | 5 |
| 3 ROOMS OR MORE | 852 | 830 | 14 | 4 | - | - | 4 |
| NOT REPORTED | 155 | 135 | 2 | - | - | 2 | 17 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 668 | 12 | 4 | 4 | 22 | 61 |
| RENTER OCCUPIED | 4 093 | 1 455 | 951 | 492 | 408 | 704 | 84 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 1 214 | 884 | 468 | 403 | 658 | 71 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 208 | 560 | 496 | 270 | 283 | 532 | 68 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 397 | 623 | 367 | 180 | 113 | 112 | 3 |
| 1 ROOM | 478 | 129 | 136 | 82 | 68 | 61 | 2 |
| 2 ROOMS | 564 | 252 | 161 | 82 | 35 | 34 | - |
| 3 ROOMS OR MORE | 355 | 241 | 70 | 16 | 10 | 17 | 1 |
| NOT REPORTED | 93 | 32 | 22 | 18 | 7 | 15 | - |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 240 | 67 | 24 | 5 | 46 | 13 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE E-5. HOUSING UNITS IN STRUCTURE BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | HOUSING UNITS IN STRUCTURE | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 TO 4 | 5 TO 9 | 10 TO 19 | 20 OR MORE | MOBILE HOME OR TRAILER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | |
| OWNER OCCUPIED | 9 138 | 7 913 | 269 | 78 | 48 | 63 | 767 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 7 245 | 258 | 75 | 44 | 40 | 706 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 668 | 12 | 4 | 4 | 22 | 61 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 639 | 557 | 10 | 4 | 4 | 22 | 42 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 56 | 49 | - | - | - | - | 6 |
| NOT REPORTED | 76 | 61 | 2 | - | - | - | 13 |
| RENTER OCCUPIED | 4 093 | 1 455 | 951 | 492 | 408 | 704 | 84 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 1 214 | 884 | 468 | 403 | 658 | 71 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 240 | 67 | 24 | 5 | 46 | 13 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 299 | 192 | 42 | 14 | 5 | 41 | 7 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 55 | 31 | 13 | 2 | - | 3 | 6 |
| NOT REPORTED | 40 | 17 | 12 | 8 | - | 2 | - |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 10 627 | 1 832 | 844 | 758 | 1 258 | 1 010 |
| AIR CONDITIONING | | | | | | | |
| OWNER OCCUPIED | 9 765 | 8 384 | 292 | 89 | 62 | 79 | 858 |
| WITH AIR CONDITIONING | 3 769 | 3 081 | 97 | 50 | 27 | 54 | 458 |
| ROOM UNITS | 1 228 | 1 008 | 28 | 18 | 11 | 17 | 146 |
| 1 | 938 | 782 | 13 | 16 | 11 | 8 | 109 |
| 2 | 235 | 184 | 11 | 2 | - | 4 | 34 |
| 3 | 43 | 31 | 4 | - | - | 6 | 2 |
| 4 | 11 | 9 | - | - | - | - | 2 |
| 5 OR MORE | 2 | 2 | - | - | - | - | - |
| CENTRAL SYSTEM | 2 540 | 2 074 | 69 | 32 | 16 | 37 | 312 |
| WITH NO AIR CONDITIONING | 5 997 | 5 303 | 195 | 40 | 34 | 25 | 400 |
| RENTER OCCUPIED | 6 564 | 2 243 | 1 540 | 754 | 696 | 1 179 | 151 |
| WITH AIR CONDITIONING | 2 076 | 613 | 398 | 228 | 290 | 506 | 41 |
| ROOM UNITS | 1 076 | 306 | 209 | 116 | 149 | 277 | 19 |
| 1 | 973 | 258 | 191 | 109 | 141 | 254 | 19 |
| 2 | 82 | 39 | 10 | 7 | 8 | 18 | - |
| 3 | 17 | 8 | 5 | - | - | 4 | - |
| 4 | 4 | - | 4 | - | - | - | - |
| 5 OR MORE | - | - | - | - | - | - | - |
| CENTRAL SYSTEM | 1 000 | 307 | 189 | 112 | 141 | 230 | 22 |
| WITH NO AIR CONDITIONING | 4 488 | 1 630 | 1 142 | 526 | 406 | 673 | 111 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE E-5. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 16 329 | 431 | 730 | 1 828 | 3 529 | 3 683 | 2 943 | 3 185 | 4.9 |
| HOUSE HEATING FUEL | | | | | | | | | |
| OWNER OCCUPIED | 9 765 | 36 | 118 | 296 | 1 384 | 2 597 | 2 450 | 2 885 | 5.7 |
| UTILITY GAS | 6 714 | 15 | 53 | 147 | 870 | 1 810 | 1 785 | 2 034 | 5.8 |
| BOTTLED, TANK, OR LP GAS | 293 | 12 | 16 | 41 | 51 | 77 | 47 | 50 | 4.8 |
| FUEL OIL | 436 | - | 4 | 5 | 48 | 85 | 99 | 195 | 6.3 |
| KEROSENE, ETC | 1 | - | - | - | - | - | - | 1 | ... |
| ELECTRICITY | 1 865 | 5 | 27 | 76 | 341 | 486 | 421 | 509 | 5.5 |
| COAL OR COKE | 10 | - | - | - | - | 5 | 2 | 3 | ... |
| WOOD | 279 | - | 10 | 20 | 49 | 88 | 66 | 46 | 5.2 |
| SOLAR HEAT | 7 | - | - | - | - | 2 | 3 | 2 | ... |
| OTHER FUEL | 2 | - | 2 | - | - | - | - | - | ... |
| NONE | 158 | 4 | 7 | 7 | 24 | 45 | 28 | 44 | 5.3 |
| RENTER OCCUPIED | 6 564 | 396 | 612 | 1 532 | 2 145 | 1 086 | 493 | 300 | 3.8 |
| UTILITY GAS | 4 002 | 137 | 342 | 956 | 1 333 | 703 | 327 | 204 | 3.9 |
| BOTTLED, TANK, OR LP GAS | 93 | 5 | 10 | 10 | 35 | 26 | 8 | - | 4.1 |
| FUEL OIL | 180 | 28 | 30 | 20 | 31 | 39 | 14 | 18 | 3.9 |
| KEROSENE, ETC | 2 | - | - | - | 2 | - | - | - | ... |
| ELECTRICITY | 1 905 | 175 | 179 | 471 | 657 | 254 | 113 | 57 | 3.7 |
| COAL OR COKE | 3 | - | - | 2 | 5 | 1 | - | - | ... |
| WOOD | 111 | 3 | 13 | 12 | 30 | 31 | 11 | 11 | 4.4 |
| SOLAR HEAT | 5 | - | - | - | 5 | - | - | - | ... |
| OTHER FUEL | 27 | 14 | 5 | 7 | - | - | - | 2 | ... |
| NONE | 231 | 34 | 34 | 54 | 43 | 31 | 20 | 9 | 3.4 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 14 | 46 | 119 | 757 | 2 090 | 2 185 | 2 669 | 5.9 |
| ELECTRICITY PAID FOR | 7 872 | 14 | 46 | 118 | 755 | 2 090 | 2 181 | 2 669 | 5.9 |
| LESS THAN $10 | 107 | - | - | 15 | 24 | 35 | 18 | 16 | 4.9 |
| $10 TO $19 | 1 053 | 4 | 8 | 27 | 178 | 371 | 256 | 210 | 5.3 |
| $20 TO $29 | 1 757 | - | 16 | 38 | 224 | 503 | 521 | 456 | 5.7 |
| $30 TO $39 | 1 562 | 1 | 7 | 9 | 129 | 440 | 426 | 551 | 5.9 |
| $40 TO $49 | 949 | 3 | 6 | 10 | 72 | 216 | 286 | 356 | 6.1 |
| $50 TO $59 | 800 | - | 5 | 8 | 53 | 193 | 199 | 342 | 6.2 |
| $60 TO $79 | 826 | 3 | 2 | 5 | 36 | 172 | 266 | 343 | 6.2 |
| $80 TO $99 | 322 | 3 | 2 | 2 | 21 | 79 | 88 | 127 | 6.1 |
| $100 TO $149 | 336 | - | - | 5 | 15 | 65 | 84 | 167 | 6.5 |
| $150 OR MORE | 160 | - | 2 | - | 4 | 17 | 37 | 101 | 6.5+ |
| MEDIAN | 36 | ... | 29 | 24 | 27 | 33 | 36 | 43 | ... |
| NO ELECTRICITY USED | 8 | - | - | 1 | 2 | - | 5 | - | ... |
| SPECIFIED RENTER OCCUPIED[2] | 6 477 | 395 | 608 | 1 526 | 2 127 | 1 056 | 480 | 286 | 3.8 |
| ELECTRICITY PAID FOR | 5 251 | 95 | 359 | 1 230 | 1 915 | 952 | 435 | 265 | 4.0 |
| LESS THAN $10 | 663 | 32 | 109 | 279 | 188 | 40 | 12 | 3 | 3.2 |
| $10 TO $19 | 1 622 | 23 | 136 | 496 | 657 | 230 | 56 | 24 | 3.7 |
| $20 TO $29 | 1 214 | 22 | 61 | 225 | 482 | 261 | 111 | 52 | 4.1 |
| $30 TO $39 | 709 | 13 | 20 | 108 | 268 | 163 | 91 | 47 | 4.3 |
| $40 TO $49 | 392 | 2 | 11 | 38 | 142 | 97 | 47 | 55 | 4.5 |
| $50 TO $59 | 268 | 1 | 9 | 40 | 70 | 81 | 42 | 24 | 4.7 |
| $60 TO $79 | 199 | 1 | 3 | 23 | 74 | 40 | 32 | 26 | 4.5 |
| $80 TO $99 | 66 | - | 7 | 4 | 19 | 15 | 17 | 4 | 4.7 |
| $100 TO $149 | 74 | - | 2 | 9 | 10 | 18 | 19 | 16 | 5.4 |
| $150 OR MORE | 44 | 2 | - | 9 | 5 | 9 | 7 | 13 | 5.3 |
| MEDIAN | 23 | 16 | 15 | 16 | 22 | 27 | 34 | 41 | ... |
| INCLUDED IN RENT | 1 198 | 296 | 245 | 285 | 207 | 99 | 44 | 21 | 2.7 |
| NO ELECTRICITY USED | 28 | 3 | 4 | 11 | 5 | 4 | 1 | - | ... |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 14 | 46 | 119 | 757 | 2 090 | 2 185 | 2 669 | 5.9 |
| GAS PAID FOR | 6 312 | 9 | 31 | 88 | 588 | 1 694 | 1 792 | 2 109 | 5.9 |
| LESS THAN $10 | 415 | 4 | 6 | 24 | 70 | 121 | 105 | 84 | 5.3 |
| $10 TO $14 | 763 | 2 | 5 | 18 | 106 | 272 | 215 | 144 | 5.4 |
| $15 TO $19 | 891 | 2 | 5 | 15 | 103 | 287 | 288 | 190 | 5.6 |
| $20 TO $24 | 1 005 | 1 | - | 9 | 99 | 275 | 289 | 332 | 5.9 |
| $25 TO $29 | 728 | - | 2 | 5 | 57 | 213 | 225 | 226 | 5.9 |
| $30 TO $39 | 1 108 | - | 3 | 4 | 85 | 261 | 304 | 452 | 6.2 |
| $40 TO $49 | 615 | - | 8 | 7 | 28 | 141 | 161 | 271 | 6.3 |
| $50 TO $69 | 549 | - | 2 | 5 | 20 | 96 | 154 | 271 | 6.5 |
| $70 TO $99 | 165 | - | - | - | 9 | 17 | 39 | 100 | 6.5+ |
| $100 OR MORE | 74 | - | - | 2 | 11 | 11 | 12 | 39 | 6.5+ |
| MEDIAN | 25 | ... | ... | 15 | 21 | 22 | 24 | 32 | ... |
| NO GAS USED | 1 569 | 5 | 15 | 31 | 169 | 396 | 393 | 559 | 5.9 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE E-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 395 | 608 | 1 526 | 2 127 | 1 056 | 480 | 286 | 3.8 |
| GAS PAID FOR | 3 433 | 44 | 201 | 752 | 1 232 | 700 | 317 | 187 | 4.1 |
| LESS THAN $10 | 966 | 27 | 109 | 342 | 345 | 108 | 28 | 7 | 3.5 |
| $10 TO $14 | 793 | 5 | 47 | 196 | 312 | 151 | 50 | 32 | 4.0 |
| $15 TO $19 | 518 | 2 | 15 | 93 | 215 | 108 | 75 | 10 | 4.2 |
| $20 TO $24 | 352 | 5 | 15 | 56 | 113 | 94 | 55 | 13 | 4.4 |
| $25 TO $29 | 240 | 3 | 4 | 19 | 83 | 81 | 36 | 13 | 4.6 |
| $30 TO $39 | 274 | 2 | 6 | 21 | 97 | 88 | 30 | 31 | 4.6 |
| $40 TO $49 | 113 | - | - | 13 | 19 | 31 | 12 | 38 | 5.3 |
| $50 TO $69 | 125 | - | 4 | 3 | 33 | 32 | 25 | 29 | 5.2 |
| $70 TO $99 | 32 | - | 2 | 5 | 10 | 5 | 4 | 7 | ... |
| $100 OR MORE | 20 | - | - | 5 | 4 | 3 | 1 | 7 | ... |
| MEDIAN | 14 | 10- | 10- | 11 | 13 | 18 | 20 | 35 | ... |
| INCLUDED IN RENT | 1 322 | 171 | 252 | 377 | 328 | 118 | 45 | 32 | 3.1 |
| NO GAS USED | 1 722 | 180 | 155 | 396 | 567 | 238 | 118 | 68 | 3.7 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 7 881 | 14 | 46 | 119 | 757 | 2 090 | 2 185 | 2 669 | 5.9 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 1 223 | 5 | 8 | 14 | 90 | 240 | 317 | 548 | 6.3 |
| LESS THAN $100 | 337 | 2 | - | 4 | 11 | 70 | 96 | 154 | 6.3 |
| $100 TO $199 | 350 | - | - | 3 | 22 | 70 | 100 | 155 | 6.3 |
| $200 TO $299 | 151 | 2 | 1 | 6 | 12 | 27 | 36 | 68 | 6.3 |
| $300 TO $399 | 83 | 1 | - | - | 11 | 23 | 18 | 29 | 5.8 |
| $400 TO $499 | 76 | - | 4 | 1 | 14 | 12 | 15 | 29 | 5.9 |
| $500 TO $599 | 61 | - | - | - | 2 | 11 | 17 | 31 | 6.5+ |
| $600 TO $699 | 49 | - | 2 | - | 7 | 8 | 8 | 25 | 6.5+ |
| $700 TO $799 | 25 | - | - | - | - | 3 | 11 | 11 | ... |
| $800 OR MORE | 91 | - | 2 | - | 12 | 16 | 15 | 46 | 6.5+ |
| MEDIAN | 178 | ... | ... | ... | 304 | 171 | 161 | 177 | ... |
| FUELS NOT USED OR FREE | 6 658 | 9 | 38 | 105 | 667 | 1 850 | 1 869 | 2 120 | 5.8 |
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 395 | 608 | 1 526 | 2 127 | 1 056 | 480 | 286 | 3.8 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 282 | 8 | 5 | 16 | 73 | 68 | 58 | 53 | 5.0 |
| LESS THAN $100 | 84 | 7 | 2 | 7 | 17 | 20 | 16 | 15 | 5.0 |
| $100 TO $199 | 82 | - | 4 | 6 | 28 | 12 | 16 | 16 | 4.8 |
| $200 TO $299 | 26 | - | - | 3 | 5 | 7 | 5 | 5 | ... |
| $300 TO $399 | 27 | - | - | - | 11 | 5 | 7 | 3 | ... |
| $400 TO $499 | 24 | 2 | - | - | 5 | 7 | 8 | 3 | ... |
| $500 TO $599 | 3 | - | - | - | - | 3 | - | - | ... |
| $600 TO $699 | 10 | - | - | - | 2 | 3 | 5 | - | ... |
| $700 TO $799 | - | - | - | - | - | - | - | - | - |
| $800 OR MORE | 26 | - | - | - | 4 | 10 | 1 | 10 | ... |
| MEDIAN | 169 | ... | ... | ... | 167 | 224 | 181 | 169 | ... |
| INCLUDED IN RENT | 356 | 35 | 48 | 88 | 106 | 50 | 21 | 9 | 3.6 |
| FUELS NOT USED OR FREE | 5 840 | 351 | 555 | 1 422 | 1 948 | 938 | 401 | 224 | 3.8 |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 431 | 730 | 1 828 | 3 529 | 3 683 | 2 943 | 3 185 | 4.9 |
| HEATING EQUIPMENT | | | | | | | | | |
| OWNER OCCUPIED | 9 765 | 36 | 118 | 296 | 1 384 | 2 597 | 2 450 | 2 885 | 5.7 |
| WARM-AIR FURNACE | 6 114 | 10 | 50 | 120 | 719 | 1 468 | 1 627 | 2 120 | 5.9 |
| HEAT PUMP | 253 | - | 7 | 5 | 14 | 56 | 67 | 105 | 6.2 |
| STEAM OR HOT WATER | 212 | - | 2 | 4 | 23 | 27 | 50 | 106 | 6.5+ |
| BUILT-IN ELECTRIC UNITS | 683 | 1 | 11 | 46 | 136 | 189 | 130 | 171 | 5.3 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 448 | 10 | 14 | 41 | 284 | 566 | 350 | 184 | 5.2 |
| ROOM HEATERS WITH FLUE | 244 | 2 | 7 | 35 | 62 | 86 | 29 | 22 | 4.7 |
| ROOM HEATERS WITHOUT FLUE | 47 | 3 | 2 | 9 | 16 | 12 | 3 | 2 | 4.1 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 606 | 5 | 18 | 31 | 105 | 149 | 167 | 131 | 5.5 |
| NONE | 158 | 4 | 7 | 7 | 24 | 45 | 28 | 44 | 5.3 |
| RENTER OCCUPIED | 6 564 | 396 | 612 | 1 532 | 2 145 | 1 086 | 493 | 300 | 3.8 |
| WARM-AIR FURNACE | 1 961 | 32 | 80 | 317 | 649 | 449 | 256 | 178 | 4.3 |
| HEAT PUMP | 48 | 3 | 4 | 12 | 10 | 8 | 8 | 4 | 4.0 |
| STEAM OR HOT WATER | 352 | 74 | 77 | 91 | 61 | 26 | 7 | 16 | 2.8 |
| BUILT-IN ELECTRIC UNITS | 1 292 | 151 | 133 | 326 | 449 | 139 | 60 | 35 | 3.6 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 055 | 59 | 190 | 584 | 754 | 322 | 115 | 30 | 3.8 |
| ROOM HEATERS WITH FLUE | 305 | 23 | 50 | 86 | 84 | 43 | 8 | 10 | 3.4 |
| ROOM HEATERS WITHOUT FLUE | 67 | 3 | 8 | 24 | 19 | 11 | 2 | - | 3.4 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 254 | 16 | 38 | 37 | 69 | 58 | 18 | 18 | 4.0 |
| NONE | 231 | 34 | 34 | 54 | 48 | 31 | 20 | 9 | 3.4 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE E-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS | 16 329 | 431 | 730 | 1 828 | 3 529 | 3 683 | 2 943 | 3 185 | 4.9 |
| UNITS OCCUPIED LAST WINTER | 13 231 | 261 | 476 | 1 254 | 2 651 | 3 105 | 2 593 | 2 890 | 5.1 |
| INSUFFICIENT HEAT | | | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | | | |
| OWNER OCCUPIED | 9 138 | 27 | 110 | 271 | 1 291 | 2 425 | 2 298 | 2 715 | 5.7 |
| WITH HEATING EQUIPMENT | 8 987 | 25 | 103 | 266 | 1 267 | 2 384 | 2 271 | 2 671 | 5.7 |
| NO ROOMS CLOSED | 8 688 | 25 | 95 | 258 | 1 222 | 2 303 | 2 198 | 2 587 | 5.7 |
| CLOSED CERTAIN ROOMS | 170 | - | 2 | 5 | 34 | 44 | 40 | 46 | 5.5 |
| LIVING ROOM ONLY | - | - | - | - | - | - | - | - | - |
| DINING ROOM ONLY | 4 | - | - | - | - | 2 | - | 2 | ... |
| 1 OR MORE BEDROOMS ONLY | 114 | - | - | 5 | 28 | 31 | 26 | 24 | 5.3 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 45 | - | 2 | - | 6 | 7 | 13 | 17 | 6.1 |
| NOT REPORTED | 8 | - | - | - | - | 4 | 1 | 3 | ... |
| NOT REPORTED | 129 | - | 7 | 4 | 11 | 37 | 32 | 38 | 5.7 |
| NO HEATING EQUIPMENT | 151 | 2 | 7 | 5 | 24 | 41 | 28 | 44 | 5.4 |
| RENTER OCCUPIED | 4 093 | 234 | 366 | 983 | 1 360 | 680 | 295 | 175 | 3.8 |
| WITH HEATING EQUIPMENT | 3 920 | 209 | 342 | 946 | 1 327 | 649 | 277 | 169 | 3.8 |
| NO ROOMS CLOSED | 3 708 | 204 | 329 | 920 | 1 229 | 614 | 261 | 151 | 3.8 |
| CLOSED CERTAIN ROOMS | 114 | - | 3 | 8 | 51 | 21 | 14 | 16 | 4.4 |
| LIVING ROOM ONLY | 5 | - | - | - | 2 | - | - | 3 | ... |
| DINING ROOM ONLY | 2 | - | 2 | - | - | - | - | - | ... |
| 1 OR MORE BEDROOMS ONLY | 80 | - | - | 7 | 41 | 13 | 10 | 9 | 4.3 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 24 | - | 2 | 2 | 7 | 7 | 3 | 3 | ... |
| NOT REPORTED | 3 | - | - | - | 2 | 2 | - | - | ... |
| NOT REPORTED | 98 | 5 | 10 | 17 | 47 | 14 | 3 | 2 | 3.8 |
| NO HEATING EQUIPMENT | 173 | 25 | 24 | 37 | 33 | 31 | 18 | 6 | 3.5 |
| ADDITIONAL HEAT SOURCE: | | | | | | | | | |
| OWNER OCCUPIED | 9 138 | 27 | 110 | 271 | 1 291 | 2 425 | 2 298 | 2 715 | 5.7 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 22 | 85 | 229 | 1 156 | 2 232 | 2 102 | 2 541 | 5.7 |
| NO ADDITIONAL HEAT SOURCE USED | 7 767 | 20 | 82 | 220 | 1 068 | 2 062 | 1 939 | 2 377 | 5.7 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 445 | 2 | - | 5 | 70 | 119 | 118 | 132 | 5.7 |
| NOT REPORTED | 155 | - | 3 | 5 | 19 | 51 | 45 | 32 | 5.5 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 5 | 25 | 42 | 135 | 193 | 196 | 174 | 5.4 |
| RENTER OCCUPIED | 4 093 | 234 | 366 | 983 | 1 360 | 680 | 295 | 175 | 3.8 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 196 | 311 | 910 | 1 261 | 594 | 265 | 162 | 3.8 |
| NO ADDITIONAL HEAT SOURCE USED | 3 272 | 174 | 273 | 811 | 1 114 | 532 | 238 | 130 | 3.8 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 334 | 22 | 25 | 74 | 118 | 47 | 24 | 25 | 3.9 |
| NOT REPORTED | 92 | - | 13 | 25 | 28 | 15 | 4 | 7 | 3.8 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 38 | 55 | 73 | 99 | 86 | 30 | 13 | 3.8 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | | | |
| OWNER OCCUPIED | 9 138 | 27 | 110 | 271 | 1 291 | 2 425 | 2 298 | 2 715 | 5.7 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 22 | 85 | 229 | 1 156 | 2 232 | 2 102 | 2 541 | 5.7 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 6 254 | 17 | 65 | 173 | 800 | 1 533 | 1 590 | 2 076 | 5.8 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 958 | 4 | 16 | 52 | 339 | 642 | 469 | 436 | 5.4 |
| 1 ROOM | 533 | 4 | 13 | 24 | 67 | 109 | 121 | 194 | 5.9 |
| 2 ROOMS | 572 | - | 3 | 20 | 175 | 197 | 90 | 87 | 4.9 |
| 3 ROOMS OR MORE | 852 | - | - | 8 | 96 | 336 | 257 | 155 | 5.4 |
| NOT REPORTED | 155 | - | 3 | 5 | 18 | 57 | 43 | 29 | 5.4 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 5 | 25 | 42 | 135 | 193 | 196 | 174 | 5.4 |
| RENTER OCCUPIED | 4 093 | 234 | 366 | 983 | 1 360 | 680 | 295 | 175 | 3.8 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 196 | 311 | 910 | 1 261 | 594 | 265 | 162 | 3.8 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 208 | 188 | 215 | 515 | 680 | 336 | 166 | 109 | 3.8 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 397 | 7 | 83 | 373 | 546 | 246 | 97 | 47 | 3.9 |
| 1 ROOM | 478 | 7 | 67 | 265 | 84 | 35 | 16 | 5 | 3.1 |
| 2 ROOMS | 564 | - | 16 | 77 | 359 | 88 | 19 | 4 | 4.0 |
| 3 ROOMS OR MORE | 355 | - | - | 30 | 103 | 122 | 62 | 38 | 4.9 |
| NOT REPORTED | 93 | 2 | 13 | 22 | 35 | 12 | 3 | 7 | 3.8 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 38 | 55 | 73 | 99 | 86 | 30 | 13 | 3.8 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE E-6. NUMBER OF ROOMS PER HOUSING UNIT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CON.

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | 1 ROOM | 2 ROOMS | 3 ROOMS | 4 ROOMS | 5 ROOMS | 6 ROOMS | 7 ROOMS OR MORE | MEDIAN ROOMS |
|---|---|---|---|---|---|---|---|---|---|
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | | | |
| OWNER OCCUPIED | 9 138 | 27 | 110 | 271 | 1 291 | 2 425 | 2 296 | 2 715 | 5.7 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 22 | 85 | 229 | 1 156 | 2 232 | 2 102 | 2 541 | 5.7 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 5 | 25 | 42 | 135 | 193 | 196 | 174 | 5.4 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 639 | 5 | 17 | 35 | 116 | 157 | 161 | 149 | 5.4 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 56 | - | 3 | 5 | 5 | 17 | 14 | 11 | 5.3 |
| NOT REPORTED | 76 | - | 5 | 2 | 14 | 19 | 22 | 14 | 5.4 |
| RENTER OCCUPIED | 4 093 | 234 | 366 | 983 | 1 360 | 680 | 295 | 175 | 3.8 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 196 | 311 | 910 | 1 261 | 594 | 265 | 162 | 3.8 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 38 | 55 | 73 | 99 | 86 | 30 | 13 | 3.8 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 299 | 22 | 41 | 57 | 82 | 65 | 21 | 12 | 3.9 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 55 | 9 | 8 | 10 | 14 | 8 | 4 | 1 | 3.5 |
| NOT REPORTED | 40 | 6 | 6 | 6 | 4 | 13 | 5 | - | 3.8 |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 431 | 730 | 1 828 | 3 529 | 3 683 | 2 943 | 3 185 | 4.9 |
| AIR CONDITIONING | | | | | | | | | |
| OWNER OCCUPIED | 9 765 | 36 | 118 | 296 | 1 384 | 2 597 | 2 450 | 2 885 | 5.7 |
| WITH AIR CONDITIONING | 3 769 | 14 | 47 | 103 | 527 | 1 044 | 951 | 1 082 | 5.6 |
| ROOM UNITS | 1 228 | 10 | 30 | 53 | 203 | 391 | 255 | 287 | 5.3 |
| 1 | 938 | 10 | 16 | 33 | 167 | 311 | 195 | 207 | 5.3 |
| 2 | 235 | - | 12 | 15 | 25 | 69 | 48 | 66 | 5.4 |
| 3 | 43 | - | 2 | 4 | 10 | 8 | 9 | 11 | 5.3 |
| 4 | 11 | - | - | - | 2 | 2 | 4 | 4 | ... |
| 5 OR MORE | 2 | - | - | - | - | 2 | - | - | ... |
| CENTRAL SYSTEM | 2 540 | 4 | 17 | 50 | 324 | 654 | 696 | 795 | 5.8 |
| WITH NO AIR CONDITIONING | 5 997 | 22 | 70 | 194 | 857 | 1 552 | 1 499 | 1 803 | 5.7 |
| RENTER OCCUPIED | 6 564 | 396 | 612 | 1 532 | 2 145 | 1 086 | 493 | 300 | 3.8 |
| WITH AIR CONDITIONING | 2 076 | 58 | 168 | 492 | 738 | 347 | 172 | 100 | 3.9 |
| ROOM UNITS | 1 076 | 38 | 108 | 273 | 394 | 161 | 56 | 46 | 3.8 |
| 1 | 973 | 38 | 102 | 252 | 349 | 148 | 48 | 35 | 3.8 |
| 2 | 82 | - | 5 | 15 | 36 | 13 | 7 | 6 | 4.1 |
| 3 | 17 | - | - | 2 | 9 | - | 2 | 5 | ... |
| 4 | 4 | - | - | 4 | - | - | - | - | ... |
| 5 OR MORE | - | - | - | - | - | - | - | - | - |
| CENTRAL SYSTEM | 1 000 | 20 | 61 | 219 | 344 | 186 | 116 | 54 | 4.1 |
| WITH NO AIR CONDITIONING | 4 488 | 338 | 444 | 1 040 | 1 407 | 738 | 321 | 200 | 3.8 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE E-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 4 892 | 11 437 | 3 763 | 2 998 | 1 642 | 3 034 |
| HOUSE HEATING FUEL | | | | | | | |
| OWNER OCCUPIED | 9 765 | 3 077 | 6 688 | 2 239 | 2 026 | 952 | 1 471 |
| UTILITY GAS | 6 714 | 1 748 | 4 966 | 1 639 | 1 543 | 707 | 1 077 |
| BOTTLED, TANK, OR LP GAS | 293 | 121 | 172 | 88 | 30 | 25 | 29 |
| FUEL OIL | 436 | 41 | 395 | 59 | 135 | 66 | 136 |
| KEROSENE, ETC | 1 | 1 | - | - | - | - | - |
| ELECTRICITY | 1 865 | 1 033 | 832 | 362 | 231 | 108 | 130 |
| COAL OR COKE | 10 | - | 10 | 1 | - | - | 8 |
| WOOD | 279 | 86 | 193 | 34 | 53 | 37 | 69 |
| SOLAR HEAT | 7 | 4 | 3 | 1 | 2 | - | - |
| OTHER FUEL | 2 | - | 2 | - | - | - | 2 |
| NONE | 158 | 42 | 115 | 54 | 33 | 9 | 20 |
| RENTER OCCUPIED | 6 564 | 1 815 | 4 749 | 1 524 | 972 | 690 | 1 564 |
| UTILITY GAS | 4 002 | 775 | 3 227 | 941 | 773 | 507 | 1 006 |
| BOTTLED, TANK, OR LP GAS | 93 | 13 | 80 | 26 | 17 | 13 | 24 |
| FUEL OIL | 180 | 25 | 155 | 29 | 26 | 14 | 86 |
| KEROSENE, ETC | 2 | - | 2 | - | - | - | 2 |
| ELECTRICITY | 1 905 | 941 | 964 | 470 | 112 | 101 | 281 |
| COAL OR COKE | 8 | - | 8 | - | 3 | - | 5 |
| WOOD | 111 | 9 | 102 | 21 | 9 | 24 | 49 |
| SOLAR HEAT | 5 | 3 | 2 | - | 2 | - | - |
| OTHER FUEL | 27 | 4 | 24 | 2 | - | - | 22 |
| NONE | 231 | 46 | 185 | 36 | 29 | 31 | 89 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 2 081 | 5 800 | 1 780 | 1 874 | 876 | 1 270 |
| ELECTRICITY PAID FOR | 7 872 | 2 076 | 5 797 | 1 777 | 1 874 | 876 | 1 270 |
| LESS THAN $10 | 107 | 3 | 104 | 7 | 28 | 17 | 52 |
| $10 TO $19 | 1 053 | 131 | 922 | 123 | 275 | 193 | 331 |
| $20 TO $29 | 1 757 | 359 | 1 398 | 387 | 449 | 249 | 314 |
| $30 TO $39 | 1 562 | 410 | 1 152 | 343 | 424 | 148 | 237 |
| $40 TO $49 | 949 | 277 | 672 | 254 | 208 | 91 | 120 |
| $50 TO $59 | 800 | 253 | 547 | 203 | 179 | 80 | 85 |
| $60 TO $79 | 826 | 312 | 514 | 216 | 156 | 65 | 76 |
| $80 TO $99 | 322 | 118 | 204 | 87 | 86 | 13 | 19 |
| $100 TO $149 | 336 | 162 | 174 | 101 | 43 | 11 | 19 |
| $150 OR MORE | 160 | 52 | 108 | 55 | 27 | 9 | 17 |
| MEDIAN | 36 | 44 | 34 | 41 | 34 | 28 | 27 |
| NO ELECTRICITY USED | 8 | 5 | 3 | 3 | - | - | - |
| SPECIFIED RENTER OCCUPIED[2] | 6 477 | 1 808 | 4 670 | 1 513 | 967 | 665 | 1 524 |
| ELECTRICITY PAID FOR | 5 251 | 1 516 | 3 735 | 1 308 | 814 | 540 | 1 073 |
| LESS THAN $10 | 663 | 103 | 561 | 209 | 93 | 67 | 192 |
| $10 TO $19 | 1 622 | 380 | 1 242 | 394 | 269 | 180 | 399 |
| $20 TO $29 | 1 214 | 370 | 844 | 297 | 188 | 127 | 233 |
| $30 TO $39 | 709 | 233 | 476 | 155 | 111 | 91 | 120 |
| $40 TO $49 | 392 | 151 | 241 | 110 | 52 | 41 | 37 |
| $50 TO $59 | 268 | 108 | 160 | 55 | 42 | 15 | 47 |
| $60 TO $79 | 199 | 94 | 105 | 49 | 20 | 12 | 24 |
| $80 TO $99 | 66 | 31 | 35 | 11 | 12 | 5 | 8 |
| $100 TO $149 | 74 | 36 | 38 | 13 | 17 | 2 | 6 |
| $150 OR MORE | 44 | 10 | 34 | 16 | 10 | 2 | 7 |
| MEDIAN | 23 | 27 | 21 | 22 | 22 | 22 | 18 |
| INCLUDED IN RENT | 1 198 | 281 | 917 | 203 | 149 | 120 | 446 |
| NO ELECTRICITY USED | 28 | 11 | 17 | 2 | 5 | 5 | 5 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 7 881 | 2 081 | 5 800 | 1 780 | 1 874 | 876 | 1 270 |
| GAS PAID FOR | 6 312 | 1 432 | 4 880 | 1 514 | 1 577 | 726 | 1 064 |
| LESS THAN $10 | 415 | 90 | 325 | 78 | 116 | 59 | 71 |
| $10 TO $14 | 763 | 143 | 619 | 139 | 222 | 119 | 139 |
| $15 TO $19 | 891 | 154 | 737 | 202 | 218 | 134 | 182 |
| $20 TO $24 | 1 005 | 213 | 792 | 254 | 281 | 114 | 142 |
| $25 TO $29 | 728 | 167 | 561 | 180 | 187 | 92 | 101 |
| $30 TO $39 | 1 108 | 297 | 811 | 306 | 248 | 96 | 162 |
| $40 TO $49 | 615 | 172 | 443 | 154 | 127 | 39 | 123 |
| $50 TO $69 | 549 | 145 | 404 | 137 | 130 | 50 | 87 |
| $70 TO $99 | 165 | 35 | 130 | 43 | 26 | 14 | 47 |
| $100 OR MORE | 74 | 15 | 59 | 21 | 22 | 7 | 9 |
| MEDIAN | 25 | 28 | 24 | 27 | 23 | 22 | 24 |
| NO GAS USED | 1 569 | 649 | 919 | 266 | 298 | 150 | 206 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OF MORE.

TABLE E-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 1 808 | 4 670 | 1 513 | 967 | 665 | 1 524 |
| GAS PAID FOR | 3 433 | 684 | 2 749 | 808 | 680 | 434 | 827 |
| LESS THAN $10 | 966 | 206 | 760 | 285 | 200 | 89 | 186 |
| $10 TO $14 | 793 | 115 | 678 | 177 | 171 | 110 | 220 |
| $15 TO $19 | 518 | 107 | 410 | 101 | 98 | 78 | 133 |
| $20 TO $24 | 352 | 88 | 264 | 65 | 65 | 50 | 84 |
| $25 TO $29 | 240 | 50 | 190 | 72 | 39 | 32 | 48 |
| $30 TO $39 | 274 | 60 | 215 | 47 | 44 | 43 | 81 |
| $40 TO $49 | 113 | 25 | 88 | 22 | 25 | 19 | 22 |
| $50 TO $69 | 125 | 27 | 97 | 22 | 27 | 11 | 37 |
| $70 TO $99 | 32 | 2 | 31 | 13 | 7 | - | 10 |
| $100 OR MORE | 20 | 4 | 16 | 5 | 3 | 2 | 6 |
| MEDIAN | 14 | 15 | 14 | 13 | 13 | 16 | 15 |
| INCLUDED IN RENT | 1 322 | 352 | 970 | 275 | 175 | 118 | 401 |
| NO GAS USED | 1 722 | 771 | 951 | 429 | 112 | 114 | 296 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 7 881 | 2 081 | 5 800 | 1 780 | 1 874 | 876 | 1 270 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 1 223 | 324 | 898 | 293 | 290 | 109 | 207 |
| LESS THAN $100 | 337 | 123 | 214 | 92 | 62 | 26 | 34 |
| $100 TO $199 | 350 | 113 | 237 | 111 | 75 | 22 | 30 |
| $200 TO $299 | 151 | 48 | 103 | 32 | 35 | 11 | 25 |
| $300 TO $399 | 83 | 9 | 74 | 16 | 22 | 7 | 29 |
| $400 TO $499 | 76 | 9 | 67 | 5 | 19 | 17 | 26 |
| $500 TO $599 | 61 | 8 | 54 | 11 | 17 | 6 | 20 |
| $600 TO $699 | 49 | 5 | 43 | 12 | 12 | 7 | 12 |
| $700 TO $799 | 25 | 4 | 20 | 2 | 11 | 2 | 6 |
| $800 OR MORE | 91 | 5 | 86 | 12 | 36 | 11 | 27 |
| MEDIAN | 178 | 134 | 198 | 148 | 224 | 264 | 353 |
| FUELS NOT USED OR FREE | 6 658 | 1 757 | 4 901 | 1 488 | 1 585 | 767 | 1 062 |
| SPECIFIED RENTER OCCUPIED[1] | 6 477 | 1 808 | 4 670 | 1 513 | 967 | 665 | 1 524 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 282 | 75 | 206 | 39 | 41 | 30 | 97 |
| LESS THAN $100 | 84 | 31 | 52 | 8 | 10 | 10 | 24 |
| $100 TO $199 | 82 | 24 | 58 | 18 | 7 | 6 | 27 |
| $200 TO $299 | 26 | 10 | 16 | 3 | 7 | 3 | 3 |
| $300 TO $399 | 27 | 4 | 23 | 5 | 6 | 3 | 8 |
| $400 TO $499 | 24 | 4 | 20 | 2 | - | 5 | 14 |
| $500 TO $599 | 3 | - | 3 | - | - | - | 3 |
| $600 TO $699 | 10 | - | 10 | - | 3 | 1 | 5 |
| $700 TO $799 | - | - | - | - | - | - | - |
| $800 OR MORE | 26 | 1 | 25 | 3 | 7 | 2 | 13 |
| MEDIAN | 169 | 125 | 187 | 163 | 249 | ... | 188 |
| INCLUDED IN RENT | 356 | 63 | 293 | 103 | 49 | 43 | 98 |
| FUELS NOT USED OR FREE | 5 840 | 1 669 | 4 170 | 1 371 | 878 | 593 | 1 329 |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 4 892 | 11 437 | 3 763 | 2 998 | 1 642 | 3 034 |
| HEATING EQUIPMENT | | | | | | | |
| OWNER OCCUPIED | 9 765 | 3 077 | 6 688 | 2 239 | 2 026 | 952 | 1 471 |
| WARM-AIR FURNACE | 6 114 | 2 260 | 3 854 | 1 670 | 1 168 | 351 | 666 |
| HEAT PUMP | 253 | 172 | 81 | 31 | 33 | 9 | 8 |
| STEAM OR HOT WATER | 212 | 70 | 142 | 53 | 39 | 9 | 41 |
| BUILT-IN ELECTRIC UNITS | 683 | 294 | 389 | 150 | 102 | 61 | 77 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 448 | 42 | 1 406 | 152 | 462 | 381 | 411 |
| ROOM HEATERS WITH FLUE | 244 | 3 | 240 | 31 | 66 | 39 | 104 |
| ROOM HEATERS WITHOUT FLUE | 47 | 6 | 40 | 5 | 9 | 14 | 12 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 606 | 187 | 419 | 93 | 115 | 79 | 132 |
| NONE | 158 | 42 | 115 | 54 | 33 | 9 | 20 |
| RENTER OCCUPIED | 6 564 | 1 815 | 4 749 | 1 524 | 972 | 690 | 1 564 |
| WARM-AIR FURNACE | 1 961 | 948 | 1 014 | 474 | 260 | 90 | 190 |
| HEAT PUMP | 48 | 34 | 14 | 13 | - | - | 1 |
| STEAM OR HOT WATER | 352 | 64 | 288 | 61 | 24 | 12 | 191 |
| BUILT-IN ELECTRIC UNITS | 1 292 | 539 | 753 | 350 | 81 | 85 | 239 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 055 | 158 | 1 897 | 509 | 506 | 344 | 537 |
| ROOM HEATERS WITH FLUE | 305 | 6 | 299 | 45 | 47 | 51 | 156 |
| ROOM HEATERS WITHOUT FLUE | 67 | - | 67 | 2 | 8 | 26 | 31 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 254 | 21 | 233 | 33 | 17 | 51 | 132 |
| NONE | 231 | 46 | 185 | 36 | 29 | 31 | 89 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE E-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 4 892 | 11 437 | 3 763 | 2 998 | 1 642 | 3 034 |
| UNITS OCCUPIED LAST WINTER | 13 231 | 3 709 | 9 522 | 3 104 | 2 598 | 1 395 | 2 424 |
| INSUFFICIENT HEAT | | | | | | | |
| CLOSURE OF ROOMS: | | | | | | | |
| OWNER OCCUPIED | 9 138 | 2 755 | 6 383 | 2 111 | 1 948 | 921 | 1 403 |
| WITH HEATING EQUIPMENT | 8 987 | 2 714 | 6 273 | 2 057 | 1 917 | 912 | 1 387 |
| NO ROOMS CLOSED | 8 688 | 2 653 | 6 035 | 2 005 | 1 869 | 856 | 1 305 |
| CLOSED CERTAIN ROOMS | 170 | 29 | 141 | 33 | 19 | 40 | 49 |
| LIVING ROOM ONLY | - | - | - | - | - | - | - |
| DINING ROOM ONLY | 4 | 2 | 2 | - | - | 2 | - |
| 1 OR MORE BEDROOMS ONLY | 114 | 20 | 94 | 21 | 14 | 27 | 33 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 45 | 7 | 38 | 10 | 5 | 9 | 14 |
| NOT REPORTED | 8 | 1 | 7 | 3 | - | 2 | 2 |
| NOT REPORTED | 129 | 31 | 97 | 19 | 30 | 16 | 32 |
| NO HEATING EQUIPMENT | 151 | 41 | 110 | 54 | 31 | 9 | 16 |
| RENTER OCCUPIED | 4 093 | 954 | 3 138 | 993 | 651 | 474 | 1 021 |
| WITH HEATING EQUIPMENT | 3 920 | 924 | 2 996 | 966 | 629 | 446 | 954 |
| NO ROOMS CLOSED | 3 708 | 897 | 2 812 | 915 | 607 | 416 | 875 |
| CLOSED CERTAIN ROOMS | 114 | 5 | 109 | 18 | 14 | 20 | 56 |
| LIVING ROOM ONLY | 5 | - | 5 | - | - | - | 5 |
| DINING ROOM ONLY | 2 | - | 2 | - | - | - | 2 |
| 1 OR MORE BEDROOMS ONLY | 80 | 3 | 77 | 15 | 11 | 17 | 35 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 24 | 2 | 22 | 3 | 3 | 3 | 12 |
| NOT REPORTED | 3 | - | 3 | - | - | - | 3 |
| NOT REPORTED | 98 | 22 | 75 | 33 | 8 | 10 | 23 |
| NO HEATING EQUIPMENT | 173 | 30 | 143 | 27 | 21 | 27 | 67 |
| ADDITIONAL HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 9 138 | 2 755 | 6 383 | 2 111 | 1 948 | 921 | 1 403 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 2 536 | 5 831 | 1 962 | 1 798 | 820 | 1 250 |
| NO ADDITIONAL HEAT SOURCE USED | 7 767 | 2 384 | 5 382 | 1 877 | 1 670 | 730 | 1 106 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 445 | 98 | 347 | 64 | 100 | 67 | 116 |
| NOT REPORTED | 155 | 53 | 102 | 21 | 28 | 24 | 28 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 219 | 552 | 149 | 150 | 101 | 153 |
| RENTER OCCUPIED | 4 093 | 954 | 3 138 | 993 | 651 | 474 | 1 021 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 913 | 2 786 | 948 | 610 | 398 | 831 |
| NO ADDITIONAL HEAT SOURCE USED | 3 272 | 865 | 2 408 | 865 | 540 | 333 | 670 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 334 | 30 | 305 | 60 | 57 | 55 | 132 |
| NOT REPORTED | 92 | 18 | 73 | 22 | 13 | 10 | 29 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 41 | 353 | 46 | 41 | 76 | 190 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | | | |
| OWNER OCCUPIED | 9 138 | 2 755 | 6 383 | 2 111 | 1 948 | 921 | 1 403 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 2 536 | 5 831 | 1 962 | 1 798 | 820 | 1 250 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 6 254 | 2 374 | 3 880 | 1 680 | 1 221 | 364 | 616 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 958 | 112 | 1 846 | 264 | 544 | 431 | 606 |
| 1 ROOM | 533 | 76 | 457 | 102 | 121 | 86 | 148 |
| 2 ROOMS | 572 | 12 | 560 | 61 | 151 | 130 | 217 |
| 3 ROOMS OR MORE | 852 | 23 | 829 | 101 | 272 | 214 | 241 |
| NOT REPORTED | 155 | 51 | 104 | 18 | 33 | 26 | 28 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 219 | 552 | 149 | 150 | 101 | 153 |
| RENTER OCCUPIED | 4 093 | 954 | 3 138 | 993 | 651 | 474 | 1 021 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 913 | 2 786 | 948 | 610 | 398 | 831 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 208 | 805 | 1 403 | 611 | 281 | 141 | 370 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 1 397 | 84 | 1 313 | 314 | 315 | 247 | 437 |
| 1 ROOM | 478 | 49 | 429 | 84 | 103 | 81 | 161 |
| 2 ROOMS | 564 | 20 | 543 | 173 | 121 | 91 | 158 |
| 3 ROOMS OR MORE | 355 | 15 | 341 | 57 | 91 | 75 | 118 |
| NOT REPORTED | 93 | 24 | 70 | 23 | 13 | 9 | 24 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 41 | 353 | 46 | 41 | 76 | 190 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE E-7. YEAR STRUCTURE BUILT BY FUEL, FUEL COST, HEATING, AND AIR CONDITIONING CHARACTERISTICS: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | YEAR STRUCTURE BUILT | | | | | |
|---|---|---|---|---|---|---|---|
| | | APRIL 1970 OR LATER | MARCH 1970 OR EARLIER | | | | |
| | | | TOTAL | 1960 TO MARCH 1970 | 1950 TO 1959 | 1940 TO 1949 | 1939 OR EARLIER |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | | | |
| OWNER OCCUPIED | 9 138 | 2 755 | 6 383 | 2 111 | 1 948 | 921 | 1 403 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 8 367 | 2 536 | 5 831 | 1 962 | 1 798 | 820 | 1 250 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 771 | 219 | 552 | 149 | 150 | 101 | 153 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 639 | 191 | 447 | 121 | 123 | 83 | 121 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 56 | 8 | 48 | 13 | 9 | 6 | 19 |
| NOT REPORTED | 76 | 19 | 57 | 14 | 17 | 12 | 14 |
| RENTER OCCUPIED | 4 093 | 954 | 3 138 | 993 | 651 | 474 | 1 021 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 699 | 913 | 2 786 | 948 | 610 | 398 | 831 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 394 | 41 | 353 | 46 | 41 | 76 | 190 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 299 | 38 | 261 | 36 | 33 | 57 | 135 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 55 | 3 | 53 | 6 | 5 | 9 | 34 |
| NOT REPORTED | 40 | 1 | 38 | 3 | 3 | 11 | 22 |
| ALL OCCUPIED HOUSING UNITS | 16 329 | 4 892 | 11 437 | 3 763 | 2 998 | 1 642 | 3 034 |
| AIR CONDITIONING | | | | | | | |
| OWNER OCCUPIED | 9 765 | 3 077 | 6 688 | 2 239 | 2 026 | 952 | 1 471 |
| WITH AIR CONDITIONING | 3 769 | 1 495 | 2 273 | 904 | 746 | 301 | 323 |
| ROOM UNITS | 1 228 | 186 | 1 043 | 284 | 354 | 195 | 210 |
| 1 | 938 | 145 | 793 | 229 | 268 | 125 | 171 |
| 2 | 235 | 28 | 207 | 49 | 75 | 54 | 28 |
| 3 | 43 | 11 | 31 | 4 | 7 | 12 | 9 |
| 4 | 11 | - | 11 | 2 | 4 | 4 | 2 |
| 5 OR MORE | 2 | 2 | - | - | - | - | - |
| CENTRAL SYSTEM | 2 540 | 1 309 | 1 231 | 619 | 391 | 106 | 114 |
| WITH NO AIR CONDITIONING | 5 997 | 1 582 | 4 415 | 1 335 | 1 281 | 651 | 1 148 |
| RENTER OCCUPIED | 6 564 | 1 815 | 4 749 | 1 524 | 972 | 690 | 1 564 |
| WITH AIR CONDITIONING | 2 076 | 957 | 1 118 | 527 | 284 | 113 | 195 |
| ROOM UNITS | 1 076 | 306 | 770 | 326 | 197 | 91 | 156 |
| 1 | 973 | 282 | 691 | 298 | 180 | 74 | 139 |
| 2 | 82 | 18 | 64 | 24 | 13 | 15 | 12 |
| 3 | 17 | 4 | 13 | 3 | 5 | - | 5 |
| 4 | 4 | 2 | 2 | - | - | 2 | - |
| 5 OR MORE | - | - | - | - | - | - | - |
| CENTRAL SYSTEM | 1 000 | 652 | 348 | 201 | 86 | 22 | 39 |
| WITH NO AIR CONDITIONING | 4 488 | 858 | 3 631 | 997 | 688 | 577 | 1 369 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE E-8. MONTHLY COST PAID FOR ELECTRICITY BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISITCS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $10 | $10 TO $19 | $20 TO $29 | $30 TO $39 | $40 TO $49 | $50 TO $59 | $60 TO $79 | $80 TO $99 | $100 TO $149 | $150 OR MORE | NO ELECTRICITY USED OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 7 881 | 107 | 1 053 | 1 757 | 1 562 | 949 | 800 | 826 | 322 | 336 | 160 | 8 | 36 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| ELECTRICITY | 1 310 | 3 | 34 | 167 | 212 | 191 | 180 | 224 | 103 | 137 | 59 | - | 52 |
| OTHER THAN ELECTRICITY | 6 448 | 104 | 1 016 | 1 588 | 1 344 | 754 | 606 | 566 | 195 | 174 | 90 | 8 | 33 |
| UTILITY GAS | 5 753 | 93 | 918 | 1 391 | 1 197 | 693 | 527 | 521 | 175 | 156 | 76 | 5 | 34 |
| BOTTLED, TANK, OR LP GAS | 123 | - | 10 | 32 | 16 | 10 | 15 | 7 | 13 | 11 | 5 | 3 | 42 |
| FUEL OIL | 371 | 4 | 65 | 105 | 90 | 25 | 41 | 31 | 3 | 4 | 3 | - | 31 |
| KEROSENE, ETC | 1 | - | - | - | - | - | 1 | - | - | - | - | - | ... |
| COAL OR COKE | 5 | - | - | 3 | - | - | - | 2 | - | - | - | - | ... |
| WOOD | 186 | 7 | 24 | 54 | 39 | 25 | 20 | 6 | 4 | 2 | 5 | - | 32 |
| SOLAR HEAT | 7 | - | - | 2 | 2 | - | 2 | - | - | 1 | - | - | ... |
| OTHER FUEL | 2 | - | - | 2 | - | - | - | - | - | - | - | - | ... |
| NONE | 123 | - | 3 | 2 | 7 | 4 | 13 | 34 | 24 | 24 | 11 | - | 78 |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 4 920 | 53 | 532 | 1 086 | 979 | 655 | 543 | 555 | 197 | 216 | 99 | 5 | 37 |
| HEAT PUMP | 207 | - | 1 | 7 | 16 | 16 | 23 | 49 | 26 | 57 | 13 | - | 76 |
| STEAM OR HOT WATER | 176 | 3 | 18 | 48 | 51 | 12 | 23 | 11 | 7 | 4 | - | - | 33 |
| BUILT-IN ELECTRIC UNITS | 457 | - | 15 | 76 | 99 | 69 | 56 | 71 | 28 | 23 | 18 | - | 45 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 322 | 35 | 357 | 350 | 278 | 108 | 79 | 74 | 23 | 6 | 12 | - | 27 |
| ROOM HEATERS WITH FLUE | 193 | 4 | 61 | 56 | 37 | 13 | 15 | 2 | 4 | - | - | - | 25 |
| ROOM HEATERS WITHOUT FLUE | 37 | 2 | 9 | 9 | 8 | 5 | - | 2 | 2 | - | - | - | 27 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 447 | 11 | 57 | 123 | 89 | 65 | 47 | 28 | 11 | 6 | 7 | 3 | 33 |
| NONE | 123 | - | 3 | 2 | 7 | 4 | 13 | 34 | 24 | 24 | 11 | - | 78 |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 1 030 | 58 | 312 | 282 | 151 | 71 | 55 | 39 | 30 | 17 | 14 | - | 25 |
| 2 PERSONS | 2 638 | 32 | 426 | 720 | 553 | 286 | 202 | 206 | 86 | 75 | 45 | 6 | 32 |
| 3 PERSONS | 1 509 | 9 | 119 | 302 | 323 | 192 | 203 | 192 | 75 | 67 | 27 | - | 40 |
| 4 PERSONS | 1 573 | 7 | 129 | 298 | 306 | 218 | 184 | 219 | 81 | 98 | 32 | - | 42 |
| 5 PERSONS | 696 | 2 | 32 | 96 | 154 | 108 | 96 | 110 | 35 | 46 | 13 | 2 | 45 |
| 6 PERSONS | 260 | - | 28 | 38 | 48 | 51 | 35 | 26 | 7 | 18 | 8 | - | 43 |
| 7 PERSONS OR MORE | 176 | - | 8 | 20 | 26 | 23 | 24 | 33 | 8 | 13 | 21 | - | 54 |
| MEDIAN | 2.7 | 1.5- | 2.0 | 2.3 | 2.7 | 3.1 | 3.2 | 3.4 | 3.1 | 3.6 | 3.3 | ... | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 889 | 14 | 224 | 457 | 507 | 361 | 342 | 432 | 200 | 249 | 100 | 3 | 46 |
| ROOM UNITS | 963 | 13 | 131 | 226 | 223 | 130 | 84 | 76 | 44 | 16 | 17 | 2 | 34 |
| 1 | 747 | 13 | 120 | 182 | 177 | 91 | 58 | 55 | 25 | 13 | 13 | 2 | 33 |
| 2 | 177 | - | 9 | 37 | 35 | 38 | 21 | 17 | 17 | 2 | 2 | - | 42 |
| 3 | 30 | - | 2 | 5 | 9 | 2 | 4 | 2 | 3 | 2 | - | - | ... |
| 4 | 8 | - | - | 2 | - | - | 2 | 2 | - | - | 2 | - | ... |
| 5 OR MORE | 2 | - | - | - | 2 | - | - | - | - | - | - | - | ... |
| CENTRAL SYSTEM | 1 926 | 1 | 93 | 231 | 284 | 231 | 258 | 356 | 155 | 232 | 83 | 1 | 54 |
| WITH NO AIR CONDITIONING | 4 991 | 93 | 829 | 1 300 | 1 055 | 587 | 458 | 394 | 122 | 87 | 60 | 5 | 32 |
| SPECIFIED RENTER OCCUPIED[3] | 6 477 | 663 | 1 622 | 1 214 | 709 | 392 | 268 | 199 | 66 | 74 | 44 | 1 226 | 23 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| ELECTRICITY | 1 891 | 123 | 358 | 349 | 250 | 170 | 92 | 100 | 32 | 28 | 14 | 376 | 27 |
| OTHER THAN ELECTRICITY | 4 357 | 527 | 1 237 | 853 | 450 | 204 | 164 | 87 | 20 | 34 | 27 | 755 | 20 |
| UTILITY GAS | 3 985 | 479 | 1 168 | 795 | 408 | 194 | 151 | 82 | 19 | 29 | 27 | 633 | 20 |
| BOTTLED, TANK, OR LP GAS | 78 | 5 | 17 | 13 | 10 | - | 4 | 2 | 1 | 2 | - | 24 | 23 |
| FUEL OIL | 162 | 35 | 20 | 19 | 12 | 5 | 4 | - | - | 1 | - | 66 | 16 |
| KEROSENE, ETC | 2 | 2 | - | - | - | - | - | - | - | - | - | - | ... |
| COAL OR COKE | 8 | - | 5 | 2 | 1 | - | - | - | - | - | - | - | ... |
| WOOD | 92 | 3 | 22 | 24 | 19 | 3 | 5 | 3 | - | 2 | - | 11 | 26 |
| SOLAR HEAT | 5 | - | 2 | - | - | 2 | - | - | - | - | - | 1 | ... |
| OTHER FUEL | 26 | 3 | 3 | - | - | - | - | - | - | - | - | 19 | ... |
| NONE | 229 | 13 | 27 | 13 | 9 | 17 | 12 | 12 | 15 | 12 | 4 | 96 | 43 |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 1 943 | 97 | 380 | 403 | 259 | 172 | 143 | 107 | 26 | 39 | 26 | 293 | 28 |
| HEAT PUMP | 48 | 2 | 3 | 4 | 2 | 5 | 3 | 3 | 3 | 6 | 1 | 16 | ... |
| STEAM OR HOT WATER | 348 | 76 | 56 | 24 | 7 | - | 2 | - | - | 1 | 2 | 181 | 11 |
| BUILT-IN ELECTRIC UNITS | 1 283 | 103 | 290 | 253 | 172 | 102 | 42 | 49 | 11 | 4 | 5 | 251 | 24 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 039 | 304 | 712 | 419 | 204 | 68 | 42 | 19 | 5 | 6 | 5 | 256 | 17 |
| ROOM HEATERS WITH FLUE | 293 | 47 | 81 | 45 | 22 | 10 | 6 | 3 | 3 | 2 | - | 73 | 17 |
| ROOM HEATERS WITHOUT FLUE | 64 | 12 | 14 | 6 | 5 | 2 | 3 | 3 | 3 | - | - | 16 | 18 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 230 | 9 | 60 | 48 | 29 | 16 | 14 | 3 | 2 | 4 | 2 | 44 | 25 |
| NONE | 229 | 13 | 27 | 13 | 9 | 17 | 12 | 12 | 15 | 12 | 4 | 96 | 43 |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 2 264 | 407 | 590 | 342 | 120 | 64 | 35 | 23 | 9 | 8 | 5 | 662 | 16 |
| 2 PERSONS | 1 862 | 147 | 564 | 389 | 236 | 97 | 63 | 78 | 14 | 11 | 11 | 253 | 22 |
| 3 PERSONS | 1 041 | 65 | 246 | 219 | 139 | 94 | 61 | 34 | 20 | 14 | 8 | 142 | 26 |
| 4 PERSONS | 694 | 34 | 136 | 141 | 123 | 68 | 41 | 29 | 9 | 14 | 7 | 91 | 28 |
| 5 PERSONS | 305 | 5 | 44 | 65 | 51 | 22 | 39 | 14 | 5 | 20 | 3 | 38 | 34 |
| 6 PERSONS | 139 | 3 | 17 | 28 | 19 | 21 | 7 | 10 | 5 | 5 | 3 | 21 | 35 |
| 7 PERSONS OR MORE | 172 | 2 | 26 | 30 | 23 | 27 | 21 | 11 | 5 | 1 | 7 | 19 | 37 |
| MEDIAN | 2.0 | 1.5- | 1.9 | 2.2 | 2.5 | 2.9 | 3.1 | 2.5 | 3.0 | 3.8 | 3.3 | 1.5- | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 051 | 118 | 415 | 409 | 271 | 170 | 132 | 107 | 38 | 45 | 29 | 318 | 27 |
| ROOM UNITS | 1 058 | 85 | 281 | 221 | 155 | 93 | 43 | 16 | 16 | 8 | 10 | 132 | 24 |
| 1 | 957 | 83 | 264 | 207 | 132 | 79 | 36 | 3 | 13 | 6 | 7 | 128 | 23 |
| 2 | 82 | 2 | 12 | 12 | 18 | 12 | 5 | 9 | 3 | 3 | 3 | 4 | 37 |
| 3 | 15 | - | 2 | 2 | 5 | 2 | 2 | 3 | - | - | - | - | ... |
| 4 | 4 | - | 4 | - | - | - | - | - | - | - | - | - | ... |
| 5 OR MORE | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CENTRAL SYSTEM | 993 | 33 | 134 | 188 | 116 | 78 | 90 | 92 | 22 | 37 | 19 | 186 | 34 |
| WITH NO AIR CONDITIONING | 4 426 | 546 | 1 207 | 805 | 438 | 221 | 136 | 92 | 29 | 29 | 15 | 909 | 20 |

[1]RENTER HOUSEHOLDS WITH ELECTRICITY COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE E-9. MONTHLY COST PAID FOR GAS BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $10 | $10 TO $14 | $15 TO $19 | $20 TO $24 | $25 TO $29 | $30 TO $39 | $40 TO $49 | $50 TO $69 | $70 TO $99 | $100 OR MORE | NO GAS USED OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 7 881 | 415 | 763 | 891 | 1 005 | 728 | 1 108 | 615 | 549 | 165 | 74 | 1 569 | 25 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| GAS | 5 875 | 359 | 717 | 843 | 937 | 681 | 1 048 | 566 | 507 | 154 | 63 | - | 25 |
| UTILITY GAS | 5 753 | 356 | 717 | 827 | 922 | 662 | 1 034 | 545 | 483 | 147 | 60 | - | 25 |
| BOTTLED, TANK, OR LP GAS | 123 | 3 | - | 16 | 15 | 19 | 14 | 22 | 24 | 7 | 2 | - | 35 |
| OTHER THAN GAS | 1 882 | 52 | 37 | 46 | 65 | 45 | 57 | 44 | 40 | 9 | 10 | 1 479 | 25 |
| FUEL OIL | 371 | 4 | - | - | 10 | 5 | 4 | 8 | 2 | 2 | 7 | 330 | 34 |
| KEROSENE, ETC | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - |
| ELECTRICITY | 1 310 | 31 | 23 | 36 | 49 | 32 | 43 | 36 | 33 | 5 | 3 | 1 019 | 26 |
| COAL OR COKE | 5 | - | - | - | - | 1 | - | - | - | - | - | 3 | ... |
| WOOD | 186 | 17 | 14 | 8 | 5 | 7 | 9 | - | 3 | 2 | - | 120 | 16 |
| SOLAR HEAT | 7 | - | - | 2 | - | - | - | - | 2 | - | - | 3 | ... |
| OTHER FUEL | 2 | - | - | - | - | - | - | - | - | - | - | 2 | - |
| NONE | 123 | 4 | 9 | 2 | 3 | 2 | 4 | 4 | 2 | 2 | 2 | 90 | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 4 920 | 207 | 426 | 526 | 697 | 510 | 849 | 509 | 447 | 116 | 42 | 587 | 27 |
| HEAT PUMP | 207 | 10 | - | 6 | 5 | 3 | 10 | 2 | 4 | 2 | - | 164 | 24 |
| STEAM OR HOT WATER | 176 | 2 | 2 | 2 | 15 | 15 | 30 | 22 | 35 | 10 | 18 | 26 | 44 |
| BUILT-IN ELECTRIC UNITS | 457 | 5 | 5 | 6 | 6 | 4 | - | 1 | - | 1 | - | 429 | ... |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 322 | 121 | 270 | 283 | 225 | 142 | 154 | 49 | 36 | 23 | 7 | 10 | 19 |
| ROOM HEATERS WITH FLUE | 193 | 18 | 21 | 27 | 22 | 32 | 35 | 13 | 4 | 2 | 2 | 17 | 24 |
| ROOM HEATERS WITHOUT FLUE | 37 | 9 | 5 | 9 | 3 | - | 5 | 3 | 2 | - | - | - | 17 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 447 | 39 | 24 | 29 | 27 | 20 | 22 | 11 | 20 | 8 | 2 | 244 | 21 |
| NONE | 123 | 4 | 9 | 2 | 3 | 2 | 4 | 4 | 2 | 2 | 2 | 90 | ... |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 1 030 | 103 | 166 | 143 | 111 | 95 | 106 | 53 | 33 | 22 | 5 | 194 | 20 |
| 2 PERSONS | 2 638 | 159 | 237 | 339 | 346 | 255 | 359 | 157 | 164 | 45 | 25 | 551 | 24 |
| 3 PERSONS | 1 509 | 56 | 148 | 172 | 202 | 121 | 232 | 123 | 97 | 24 | 15 | 319 | 26 |
| 4 PERSONS | 1 573 | 70 | 120 | 130 | 216 | 163 | 238 | 156 | 132 | 41 | 11 | 295 | 28 |
| 5 PERSONS | 696 | 11 | 61 | 72 | 87 | 65 | 92 | 84 | 63 | 18 | 8 | 116 | 29 |
| 6 PERSONS | 260 | 11 | 15 | 20 | 29 | 19 | 45 | 33 | 28 | 7 | 8 | 45 | 33 |
| 7 PERSONS OR MORE | 176 | 5 | 16 | 15 | 14 | 11 | 36 | 9 | 12 | 8 | 2 | 49 | 31 |
| MEDIAN | 2.7 | 2.1 | 2.4 | 2.4 | 2.7 | 2.6 | 2.9 | 3.3 | 3.3 | 3.2 | 2.9 | 2.6 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 889 | 183 | 344 | 291 | 356 | 255 | 400 | 222 | 225 | 56 | 30 | 527 | 25 |
| ROOM UNITS | 963 | 68 | 145 | 105 | 136 | 85 | 113 | 67 | 68 | 15 | 5 | 157 | 23 |
| 1 | 747 | 49 | 105 | 86 | 91 | 67 | 99 | 47 | 59 | 13 | 5 | 127 | 23 |
| 2 | 177 | 15 | 34 | 9 | 39 | 15 | 11 | 17 | 9 | 2 | - | 26 | 22 |
| 3 | 30 | 4 | 4 | 8 | 5 | 4 | 2 | 2 | - | - | - | 2 | ... |
| 4 | 8 | - | 2 | 2 | - | - | - | 2 | - | - | - | 2 | ... |
| 5 OR MORE | 2 | - | - | - | - | - | 2 | - | - | - | - | - | ... |
| CENTRAL SYSTEM | 1 926 | 115 | 199 | 187 | 220 | 170 | 287 | 155 | 157 | 42 | 25 | 369 | 26 |
| WITH NO AIR CONDITIONING | 4 991 | 231 | 419 | 599 | 649 | 473 | 709 | 393 | 324 | 108 | 44 | 1 042 | 26 |
| SPECIFIED RENTER OCCUPIED[3] | 6 477 | 966 | 793 | 518 | 352 | 240 | 274 | 113 | 125 | 32 | 20 | 3 044 | 14 |
| HOUSE HEATING FUEL | | | | | | | | | | | | | |
| GAS | 4 063 | 847 | 705 | 480 | 320 | 222 | 247 | 96 | 112 | 29 | 20 | 985 | 14 |
| UTILITY GAS | 3 985 | 842 | 701 | 470 | 315 | 212 | 245 | 90 | 111 | 24 | 18 | 957 | 14 |
| BOTTLED, TANK, OR LP GAS | 78 | 6 | 4 | 10 | 5 | 10 | 2 | 5 | 1 | 5 | 2 | 28 | 25 |
| OTHER THAN GAS | 2 186 | 94 | 66 | 32 | 29 | 17 | 24 | 15 | 9 | 2 | - | 1 898 | 13 |
| FUEL OIL | 162 | 4 | - | 2 | 2 | - | - | - | 2 | - | - | 154 | ... |
| KEROSENE, ETC | 2 | 2 | - | - | - | - | - | - | - | - | - | - | ... |
| ELECTRICITY | 1 891 | 82 | 56 | 28 | 25 | 15 | 22 | 10 | 4 | 2 | - | 1 646 | 13 |
| COAL OR COKE | 8 | - | 2 | - | - | - | - | - | 2 | - | - | 5 | ... |
| WOOD | 92 | 3 | 7 | 3 | 3 | 1 | 2 | 5 | 2 | - | - | 67 | ... |
| SOLAR HEAT | 5 | - | - | - | - | - | - | - | - | - | - | 5 | - |
| OTHER FUEL | 26 | 3 | 2 | - | - | - | - | - | - | - | - | 21 | ... |
| NONE | 229 | 25 | 22 | 5 | 3 | 2 | 4 | 2 | 3 | 2 | - | 162 | 12 |
| HEATING EQUIPMENT | | | | | | | | | | | | | |
| WARM-AIR FURNACE | 1 943 | 229 | 207 | 186 | 135 | 137 | 134 | 71 | 76 | 22 | 13 | 732 | 19 |
| HEAT PUMP | 48 | - | 3 | 2 | - | - | 1 | - | - | - | - | 42 | ... |
| STEAM OR HOT WATER | 348 | 31 | 3 | 4 | 7 | 2 | 7 | - | 2 | - | 2 | 292 | 10- |
| BUILT-IN ELECTRIC UNITS | 1 283 | 40 | 25 | 17 | 10 | 5 | 10 | 3 | 3 | 2 | - | 1 166 | 13 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 039 | 567 | 443 | 252 | 159 | 73 | 93 | 17 | 29 | 7 | 5 | 394 | 12 |
| ROOM HEATERS WITH FLUE | 293 | 48 | 56 | 42 | 12 | 15 | 18 | 9 | 4 | - | - | 88 | 14 |
| ROOM HEATERS WITHOUT FLUE | 64 | 16 | 5 | 4 | 8 | - | 2 | 5 | 3 | - | - | 21 | 15 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 230 | 10 | 28 | 6 | 17 | 6 | 5 | 6 | 3 | - | 1 | 147 | 17 |
| NONE | 229 | 25 | 22 | 5 | 3 | 2 | 4 | 2 | 3 | 2 | - | 162 | 12 |
| PERSONS | | | | | | | | | | | | | |
| 1 PERSON | 2 264 | 404 | 243 | 84 | 93 | 34 | 46 | 14 | 9 | 5 | 3 | 1 330 | 11 |
| 2 PERSONS | 1 862 | 301 | 246 | 175 | 84 | 57 | 58 | 17 | 22 | 5 | 4 | 893 | 13 |
| 3 PERSONS | 1 041 | 150 | 140 | 111 | 73 | 45 | 57 | 25 | 26 | 10 | 2 | 404 | 16 |
| 4 PERSONS | 694 | 69 | 96 | 82 | 46 | 49 | 57 | 21 | 21 | 7 | 4 | 240 | 18 |
| 5 PERSONS | 305 | 29 | 31 | 36 | 23 | 19 | 20 | 13 | 22 | 4 | 4 | 106 | 21 |
| 6 PERSONS | 139 | 8 | 14 | 17 | 10 | 14 | 18 | 14 | 12 | 2 | 2 | 30 | 27 |
| 7 PERSONS OR MORE | 172 | 7 | 23 | 14 | 22 | 22 | 18 | 9 | 12 | - | 2 | 43 | 24 |
| MEDIAN | 2.0 | 1.8 | 2.1 | 2.5 | 2.5 | 3.1 | 3.1 | 3.5 | 3.7 | ... | ... | 1.7 | ... |
| AIR CONDITIONING | | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 051 | 342 | 219 | 144 | 116 | 73 | 85 | 38 | 31 | 7 | 9 | 988 | 13 |
| ROOM UNITS | 1 058 | 213 | 127 | 86 | 57 | 24 | 43 | 19 | 14 | 5 | 5 | 465 | 13 |
| 1 | 957 | 206 | 113 | 73 | 48 | 22 | 38 | 15 | 9 | 5 | 4 | 424 | 12 |
| 2 | 82 | 7 | 11 | 10 | 7 | 2 | 5 | 3 | 3 | - | 2 | 34 | 18 |
| 3 | 15 | - | 2 | 2 | 2 | - | - | 2 | 2 | - | - | 7 | ... |
| 4 | 4 | - | 2 | 2 | - | - | - | - | - | - | - | - | ... |
| 5 OR MORE | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CENTRAL SYSTEM | 993 | 129 | 91 | 58 | 59 | 49 | 42 | 19 | 17 | 2 | 4 | 523 | 16 |
| WITH NO AIR CONDITIONING | 4 426 | 624 | 574 | 374 | 237 | 167 | 189 | 75 | 94 | 25 | 11 | 2 056 | 14 |

[1]RENTER HOUSEHOLDS WITH ELECTRICITY COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE E-10. YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC., BY FUEL USE, HEATING, PERSONS, AND AIR CONDITIONING CHARACTERISTICS: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | MONTHLY COST PAID FOR ELECTRICITY | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LESS THAN $100 | $100 TO $199 | $200 TO $299 | $300 TO $399 | $400 TO $499 | $500 TO $599 | $600 TO $699 | $700 TO $799 | $800 OR MORE | FUELS NOT USED, FREE, OR NOT REPORTED[1] | MEDIAN (DOLLARS) |
| SPECIFIED OWNER OCCUPIED[2] | 7 881 | 337 | 350 | 151 | 83 | 76 | 61 | 49 | 25 | 91 | 6 658 | 178 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OIL, COAL, KEROSENE, WOOD, ETC. | 564 | 30 | 37 | 34 | 37 | 49 | 53 | 42 | 24 | 80 | 178 | 510 |
| FUEL OIL | 371 | 18 | 12 | 21 | 27 | 46 | 51 | 39 | 24 | 80 | 53 | 566 |
| COAL OR COKE | 5 | 1 | - | - | 2 | - | - | - | - | - | 2 | ... |
| KEROSENE, ETC | 1 | - | - | - | - | - | - | - | - | - | 1 | - |
| WOOD | 186 | 11 | 25 | 13 | 8 | 3 | 2 | 3 | - | - | 122 | 186 |
| OTHER THAN OIL, COAL, KEROSENE, WOOD, ETC | 7 194 | 307 | 313 | 117 | 46 | 26 | 9 | 6 | 1 | 11 | 6 357 | 135 |
| UTILITY GAS | 5 753 | 228 | 242 | 74 | 30 | 14 | 2 | 3 | - | 3 | 5 157 | 129 |
| BOTTLED, TANK, OR LP GAS | 123 | - | 4 | 9 | 9 | 5 | 3 | 2 | 1 | 6 | 83 | 379 |
| ELECTRICITY | 1 310 | 79 | 62 | 34 | 8 | 7 | 4 | 1 | - | 2 | 1 114 | 131 |
| SOLAR HEAT | 7 | - | 5 | - | - | - | - | - | - | - | 2 | ... |
| OTHER FUEL | 2 | - | - | - | - | - | - | - | - | - | 2 | - |
| NONE | 123 | - | - | - | - | - | - | - | - | - | 123 | - |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 4 920 | 236 | 236 | 88 | 47 | 51 | 48 | 34 | 25 | 65 | 4 089 | 175 |
| HEAT PUMP | 207 | 7 | 6 | 3 | 2 | - | 2 | - | - | - | 188 | ... |
| STEAM OR HOT WATER | 176 | 9 | 17 | 2 | 3 | 2 | 5 | 2 | - | 17 | 120 | 332 |
| BUILT-IN ELECTRIC UNITS | 457 | 38 | 19 | 21 | - | 2 | - | - | - | 2 | 375 | 115 |
| FLOOR, WALL, OR PIPELESS FURNACE | 1 322 | 17 | 17 | 9 | 5 | 9 | - | 4 | - | - | 1 261 | 177 |
| ROOM HEATERS WITH FLUE | 193 | 4 | 4 | 5 | 7 | 5 | - | - | - | 3 | 165 | ... |
| ROOM HEATERS WITHOUT FLUE | 37 | - | 5 | - | - | - | - | - | - | - | 32 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 447 | 27 | 47 | 24 | 18 | 8 | 6 | 9 | - | 3 | 305 | 195 |
| NONE | 123 | - | - | - | - | - | - | - | - | - | 123 | - |
| PERSONS | | | | | | | | | | | | |
| 1 PERSON | 1 030 | 39 | 32 | 24 | 12 | 18 | 9 | 5 | 5 | 20 | 867 | 246 |
| 2 PERSONS | 2 638 | 106 | 100 | 65 | 35 | 29 | 22 | 21 | 13 | 31 | 2 216 | 207 |
| 3 PERSONS | 1 509 | 67 | 61 | 24 | 21 | 15 | 10 | 6 | 2 | 20 | 1 263 | 168 |
| 4 PERSONS | 1 573 | 68 | 74 | 28 | 13 | 10 | 11 | 9 | 5 | 8 | 1 348 | 159 |
| 5 PERSONS | 696 | 29 | 49 | 9 | 2 | - | 6 | 5 | - | 4 | 591 | 147 |
| 6 PERSONS | 260 | 9 | 8 | 2 | - | 4 | 2 | 2 | - | 7 | 227 | ... |
| 7 PERSONS OR MORE | 176 | 19 | 6 | - | - | - | 2 | 1 | - | 2 | 147 | ... |
| MEDIAN | 2.7 | 2.8 | 3.0 | 2.3 | 2.3 | 2.2 | 2.5 | 2.4 | ... | 2.3 | 2.7 | ... |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 889 | 116 | 137 | 48 | 23 | 15 | 11 | 12 | 5 | 17 | 2 505 | 155 |
| ROOM UNITS | 963 | 34 | 40 | 17 | 12 | 9 | 4 | 7 | 4 | 12 | 825 | 187 |
| 1 | 747 | 25 | 29 | 13 | 8 | 7 | 4 | 7 | 2 | 9 | 643 | 189 |
| 2 | 177 | 7 | 10 | 4 | 3 | 2 | - | - | 2 | 4 | 144 | ... |
| 3 | 30 | 2 | - | - | - | - | - | - | - | - | 28 | ... |
| 4 | 8 | - | - | - | - | - | - | - | - | - | 8 | - |
| 5 OR MORE | 2 | - | - | - | - | - | - | - | - | - | 2 | - |
| CENTRAL SYSTEM | 1 926 | 82 | 97 | 31 | 12 | 6 | 7 | 5 | 2 | 5 | 1 680 | 142 |
| WITH NO AIR CONDITIONING | 4 991 | 220 | 213 | 104 | 60 | 60 | 51 | 37 | 20 | 73 | 4 153 | 192 |
| SPECIFIED RENTER OCCUPIED[3] | 6 477 | 84 | 82 | 26 | 27 | 24 | 3 | 10 | - | 26 | 6 196 | 169 |
| HOUSE HEATING FUEL | | | | | | | | | | | | |
| OIL, COAL, KEROSENE, WOOD, ETC. | 264 | 10 | 12 | 8 | 10 | 13 | 3 | 6 | - | 11 | 192 | 370 |
| FUEL OIL | 162 | - | 3 | 5 | 7 | 10 | 3 | 5 | - | 11 | 119 | 471 |
| COAL OR COKE | 8 | - | 2 | 2 | 2 | 1 | - | - | - | - | 2 | ... |
| KEROSENE, ETC | 2 | - | 2 | - | - | - | - | - | - | - | - | ... |
| WOOD | 92 | 10 | 5 | 1 | 2 | 2 | - | 2 | - | - | 71 | ... |
| OTHER THAN OIL, COAL, KEROSENE, WOOD, ETC | 5 984 | 74 | 69 | 18 | 16 | 12 | - | 3 | - | 15 | 5 777 | 142 |
| UTILITY GAS | 3 985 | 37 | 36 | 5 | 7 | 6 | - | 2 | - | 4 | 3 887 | 131 |
| BOTTLED, TANK, OR LP GAS | 78 | 2 | 5 | 2 | 4 | 1 | - | 1 | - | 2 | 61 | ... |
| ELECTRICITY | 1 891 | 35 | 28 | 11 | 5 | 5 | - | - | - | 9 | 1 799 | 140 |
| SOLAR HEAT | 5 | - | - | - | - | - | - | - | - | - | 5 | - |
| OTHER FUEL | 26 | - | - | - | - | - | - | - | - | - | 26 | - |
| NONE | 229 | - | 1 | - | 1 | - | - | - | - | - | 227 | ... |
| HEATING EQUIPMENT | | | | | | | | | | | | |
| WARM-AIR FURNACE | 1 943 | 35 | 38 | 15 | 11 | 8 | 3 | 7 | - | 9 | 1 817 | 173 |
| HEAT PUMP | 48 | - | - | - | - | - | - | - | - | - | 48 | - |
| STEAM OR HOT WATER | 348 | - | 2 | - | 2 | - | - | - | - | 3 | 342 | ... |
| BUILT-IN ELECTRIC UNITS | 1 283 | 28 | 19 | 8 | 3 | 3 | - | - | - | - | 1 222 | 112 |
| FLOOR, WALL, OR PIPELESS FURNACE | 2 039 | 4 | 6 | 2 | 6 | 3 | - | 1 | - | - | 2 016 | ... |
| ROOM HEATERS WITH FLUE | 293 | 3 | 7 | - | 2 | 1 | - | - | - | 2 | 279 | ... |
| ROOM HEATERS WITHOUT FLUE | 64 | - | - | - | - | 2 | - | - | - | 3 | 59 | ... |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 230 | 13 | 9 | 1 | 2 | 7 | - | 2 | - | 9 | 186 | 188 |
| NONE | 229 | - | 1 | - | 1 | - | - | - | - | - | 227 | ... |
| PERSONS | | | | | | | | | | | | |
| 1 PERSON | 2 264 | 20 | 15 | 4 | 9 | - | - | - | - | 1 | 2 216 | 128 |
| 2 PERSONS | 1 862 | 18 | 17 | 2 | 11 | 12 | 2 | 2 | - | 9 | 1 789 | 238 |
| 3 PERSONS | 1 041 | 20 | 24 | 10 | 1 | 5 | 2 | 6 | - | 4 | 970 | 163 |
| 4 PERSONS | 694 | 17 | 11 | 9 | 5 | 6 | - | - | - | 7 | 638 | 192 |
| 5 PERSONS | 305 | 3 | 10 | 2 | 1 | 2 | - | 2 | - | 4 | 283 | ... |
| 6 PERSONS | 139 | 2 | 3 | - | - | - | - | - | - | - | 134 | ... |
| 7 PERSONS OR MORE | 172 | 3 | 1 | - | - | - | - | - | - | 2 | 166 | ... |
| MEDIAN | 2.0 | 2.7 | 2.9 | ... | ... | ... | ... | ... | - | ... | 2.0 | ... |
| AIR CONDITIONING | | | | | | | | | | | | |
| WITH AIR CONDITIONING | 2 051 | 17 | 9 | 8 | 7 | 3 | - | - | - | 3 | 2 004 | 169 |
| ROOM UNITS | 1 058 | 4 | 3 | 4 | 5 | 2 | - | - | - | 3 | 1 037 | ... |
| 1 | 957 | 3 | 3 | 4 | 4 | 2 | - | - | - | 1 | 940 | ... |
| 2 | 82 | 2 | - | - | 1 | - | - | - | - | - | 80 | ... |
| 3 | 15 | - | - | - | - | - | - | - | - | 2 | 14 | ... |
| 4 | 4 | - | - | - | - | - | - | - | - | - | 4 | - |
| 5 OR MORE | - | - | - | - | - | - | - | - | - | - | - | - |
| CENTRAL SYSTEM | 993 | 13 | 6 | 3 | 2 | 1 | - | - | - | - | 967 | ... |
| WITH NO AIR CONDITIONING | 4 426 | 66 | 73 | 18 | 19 | 21 | 3 | 10 | - | 23 | 4 192 | 169 |

[1]RENTER HOUSEHOLDS WITH THESE FUEL COSTS INCLUDED IN THEIR RENT ARE INCLUDED IN THIS CATEGORY.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY. [3]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE E-11. HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK, BY DISTANCE AND TRAVEL TIME TO WORK: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| WEST REGION | TOTAL | HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | DRIVES SELF | CARPOOL | MASS TRANS-PORTATION | BICYCLE, MOTOR-CYCLE, OR MOPED | TAXICAB | WALKS ONLY | OTHER MEANS | WORKS AT HOME |
| HOUSING UNITS WITH EMPLOYED HOUSEHOLDERS[1] | 11 102 | 7 973 | 1 665 | 552 | 246 | - | 361 | 28 | 277 |
| DISTANCE FROM HOME TO WORK | | | | | | | | | |
| OWNER OCCUPIED | 6 674 | 5 114 | 961 | 187 | 117 | - | 98 | 16 | 180 |
| LESS THAN 1 MILE | 337 | 224 | 15 | 2 | 13 | - | 85 | - | - |
| 1 TO 4 MILES | 1 278 | 1 093 | 106 | 26 | 41 | - | 11 | 1 | - |
| 5 TO 9 MILES | 1 344 | 1 070 | 183 | 50 | 38 | - | - | 3 | - |
| 10 TO 19 MILES | 1 470 | 1 129 | 265 | 65 | 12 | - | - | - | - |
| 20 TO 29 MILES | 563 | 400 | 128 | 26 | 8 | - | - | - | - |
| 30 TO 49 MILES | 379 | 245 | 124 | 6 | 4 | - | - | - | - |
| 50 MILES OR MORE | 128 | 65 | 61 | 2 | - | - | - | - | - |
| WORKS AT HOME | 180 | - | - | - | - | - | - | - | 180 |
| NO FIXED PLACE OF WORK | 995 | 888 | 79 | 11 | 1 | - | 3 | 12 | - |
| MEDIAN | 9.2 | 8.7 | 15.2 | 11.6 | 5.5 | - | 1.0- | ... | - |
| RENTER OCCUPIED | 4 428 | 2 860 | 704 | 365 | 128 | - | 263 | 12 | 96 |
| LESS THAN 1 MILE | 413 | 133 | 24 | 3 | 22 | - | 229 | 2 | - |
| 1 TO 4 MILES | 1 149 | 743 | 177 | 141 | 59 | - | 27 | 2 | - |
| 5 TO 9 MILES | 933 | 672 | 148 | 95 | 16 | - | - | 2 | - |
| 10 TO 19 MILES | 903 | 638 | 165 | 82 | 18 | - | - | - | - |
| 20 TO 29 MILES | 274 | 182 | 70 | 19 | 3 | - | - | - | - |
| 30 TO 49 MILES | 161 | 101 | 51 | 5 | 5 | - | - | - | - |
| 50 MILES OR MORE | 47 | 34 | 9 | 2 | 2 | - | - | - | - |
| WORKS AT HOME | 96 | - | - | - | - | - | - | - | 96 |
| NO FIXED PLACE OF WORK | 451 | 357 | 60 | 17 | 3 | - | 7 | 7 | - |
| MEDIAN | 7.0 | 7.8 | 9.1 | 6.5 | 3.7 | - | 1.0- | ... | - |
| TRAVEL TIME FROM HOME TO WORK | | | | | | | | | |
| OWNER OCCUPIED | 6 674 | 5 114 | 961 | 187 | 117 | - | 98 | 16 | 180 |
| LESS THAN 15 MINUTES | 1 919 | 1 649 | 151 | 7 | 39 | - | 73 | - | - |
| 15 TO 29 MINUTES | 2 033 | 1 605 | 326 | 31 | 49 | - | 22 | - | - |
| 30 TO 44 MINUTES | 927 | 632 | 221 | 57 | 17 | - | - | - | - |
| 45 TO 59 MINUTES | 343 | 204 | 94 | 31 | 11 | - | - | 3 | - |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 212 | 104 | 67 | 42 | - | - | - | - | - |
| 1 HOUR AND 30 MINUTES OR MORE | 64 | 32 | 24 | 7 | - | - | - | 1 | - |
| WORKS AT HOME | 180 | - | - | - | - | - | - | - | 180 |
| NO FIXED PLACE OF WORK | 995 | 888 | 79 | 11 | 1 | - | 3 | 12 | - |
| MEDIAN | 21.1 | 19.3 | 28.3 | 43.0 | 20.8 | - | 15.0- | ... | - |
| RENTER OCCUPIED | 4 428 | 2 860 | 704 | 365 | 128 | - | 263 | 12 | 96 |
| LESS THAN 15 MINUTES | 1 484 | 978 | 205 | 30 | 64 | - | 203 | 3 | - |
| 15 TO 29 MINUTES | 1 526 | 1 053 | 268 | 116 | 44 | - | 45 | - | - |
| 30 TO 44 MINUTES | 526 | 319 | 103 | 91 | 8 | - | 5 | - | - |
| 45 TO 59 MINUTES | 187 | 89 | 42 | 45 | 6 | - | 3 | 2 | - |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 119 | 48 | 20 | 51 | - | - | - | - | - |
| 1 HOUR AND 30 MINUTES OR MORE | 39 | 16 | 6 | 15 | 2 | - | - | - | - |
| WORKS AT HOME | 96 | - | - | - | - | - | - | - | 96 |
| NO FIXED PLACE OF WORK | 451 | 357 | 60 | 17 | 3 | - | 7 | 7 | - |
| MEDIAN | 19.5 | 18.9 | 21.5 | 34.5 | 15.0- | - | 15.0- | ... | - |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE F-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS FOR HOUSING UNITS WITH BLACK HOUSEHOLDER: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 9 010 | 7 060 | 5 275 | 1 785 | 1 950 |
| HOUSE HEATING FUEL | | | | | |
| OWNER OCCUPIED | 3 911 | 2 787 | 1 924 | 863 | 1 124 |
| UTILITY GAS | 2 459 | 1 995 | 1 473 | 522 | 464 |
| BOTTLED, TANK, OR LP GAS | 329 | 55 | 11 | 45 | 274 |
| FUEL OIL | 585 | 450 | 295 | 155 | 135 |
| KEROSENE, ETC | 53 | 14 | 8 | 5 | 39 |
| ELECTRICITY | 399 | 247 | 126 | 122 | 152 |
| COAL OR COKE | 20 | 11 | 9 | 2 | 10 |
| WOOD | 55 | 11 | 2 | 9 | 44 |
| SOLAR HEAT | - | - | - | - | - |
| OTHER FUEL | 2 | - | - | - | 2 |
| NONE | 8 | 4 | - | 4 | 4 |
| RENTER OCCUPIED | 5 099 | 4 273 | 3 351 | 922 | 826 |
| UTILITY GAS | 2 867 | 2 451 | 1 972 | 480 | 416 |
| BOTTLED, TANK, OR LP GAS | 134 | 41 | 19 | 23 | 92 |
| FUEL OIL | 1 055 | 982 | 814 | 168 | 72 |
| KEROSENE, ETC | 24 | 6 | 2 | 5 | 18 |
| ELECTRICITY | 803 | 687 | 476 | 211 | 116 |
| COAL OR COKE | 18 | 9 | 7 | 2 | 8 |
| WOOD | 110 | 16 | 11 | 5 | 94 |
| SOLAR HEAT | 2 | 2 | 2 | - | - |
| OTHER FUEL | 18 | 18 | 18 | - | - |
| NONE | 69 | 60 | 31 | 29 | 8 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 3 302 | 2 409 | 1 636 | 774 | 892 |
| ELECTRICITY PAID FOR | 3 300 | 2 409 | 1 636 | 774 | 890 |
| LESS THAN $10 | 18 | 12 | 10 | 2 | 6 |
| $10 TO $19 | 183 | 102 | 76 | 26 | 81 |
| $20 TO $29 | 490 | 352 | 252 | 99 | 138 |
| $30 TO $39 | 629 | 458 | 322 | 136 | 171 |
| $40 TO $49 | 489 | 375 | 262 | 113 | 113 |
| $50 TO $59 | 430 | 304 | 218 | 86 | 126 |
| $60 TO $79 | 488 | 379 | 247 | 132 | 109 |
| $80 TO $99 | 207 | 149 | 83 | 66 | 58 |
| $100 TO $149 | 254 | 182 | 112 | 70 | 73 |
| $150 OR MORE | 112 | 96 | 53 | 44 | 16 |
| MEDIAN | 46 | 47 | 45 | 51 | 44 |
| NO ELECTRICITY USED | 2 | - | - | - | 2 |
| SPECIFIED RENTER OCCUPIED[2] | 5 045 | 4 264 | 3 351 | 913 | 781 |
| ELECTRICITY PAID FOR | 4 006 | 3 289 | 2 536 | 753 | 716 |
| LESS THAN $10 | 149 | 131 | 102 | 28 | 18 |
| $10 TO $19 | 760 | 616 | 500 | 116 | 144 |
| $20 TO $29 | 1 086 | 893 | 702 | 191 | 194 |
| $30 TO $39 | 738 | 614 | 460 | 155 | 124 |
| $40 TO $49 | 431 | 344 | 269 | 74 | 87 |
| $50 TO $59 | 332 | 268 | 189 | 79 | 64 |
| $60 TO $79 | 304 | 250 | 184 | 66 | 54 |
| $80 TO $99 | 77 | 70 | 53 | 17 | 7 |
| $100 TO $149 | 85 | 70 | 50 | 20 | 15 |
| $150 OR MORE | 44 | 34 | 27 | 7 | 10 |
| MEDIAN | 30 | 30 | 29 | 32 | 30 |
| INCLUDED IN RENT | 1 018 | 955 | 798 | 158 | 63 |
| NO ELECTRICITY USED | 21 | 19 | 17 | 2 | 2 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 3 302 | 2 409 | 1 636 | 774 | 892 |
| GAS PAID FOR | 2 829 | 2 141 | 1 521 | 620 | 688 |
| LESS THAN $10 | 96 | 65 | 38 | 27 | 31 |
| $10 TO $14 | 151 | 101 | 69 | 32 | 50 |
| $15 TO $19 | 172 | 133 | 92 | 41 | 40 |
| $20 TO $24 | 250 | 167 | 95 | 72 | 83 |
| $25 TO $29 | 217 | 164 | 114 | 50 | 53 |
| $30 TO $39 | 423 | 292 | 178 | 114 | 131 |
| $40 TO $49 | 410 | 316 | 241 | 75 | 94 |
| $50 TO $69 | 530 | 411 | 316 | 95 | 119 |
| $70 TO $99 | 394 | 345 | 264 | 81 | 50 |
| $100 OR MORE | 186 | 149 | 115 | 34 | 37 |
| MEDIAN | 42 | 44 | 47 | 37 | 36 |
| NO GAS USED | 473 | 268 | 114 | 153 | 205 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE F-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS FOR HOUSING UNITS WITH BLACK HOUSEHOLDER: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 5 045 | 4 264 | 3 351 | 913 | 781 |
| GAS PAID FOR | 2 791 | 2 299 | 1 871 | 428 | 492 |
| LESS THAN $10 | 380 | 330 | 280 | 50 | 51 |
| $10 TO $14 | 404 | 332 | 275 | 56 | 72 |
| $15 TO $19 | 336 | 285 | 231 | 54 | 51 |
| $20 TO $24 | 266 | 211 | 176 | 35 | 54 |
| $25 TO $29 | 223 | 153 | 129 | 24 | 69 |
| $30 TO $39 | 396 | 327 | 237 | 89 | 69 |
| $40 TO $49 | 254 | 207 | 168 | 39 | 47 |
| $50 TO $69 | 275 | 234 | 189 | 45 | 41 |
| $70 TO $99 | 162 | 138 | 122 | 16 | 24 |
| $100 OR MORE | 95 | 83 | 65 | 18 | 13 |
| MEDIAN | 25 | 24 | 23 | 28 | 26 |
| INCLUDED IN RENT | 1 527 | 1 401 | 1 112 | 289 | 126 |
| NO GAS USED | 727 | 563 | 368 | 195 | 164 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 3 302 | 2 409 | 1 636 | 774 | 892 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 670 | 438 | 244 | 194 | 231 |
| LESS THAN $100 | 81 | 48 | 23 | 26 | 32 |
| $100 TO $199 | 85 | 37 | 25 | 12 | 47 |
| $200 TO $299 | 55 | 37 | 21 | 15 | 18 |
| $300 TO $399 | 63 | 33 | 21 | 12 | 30 |
| $400 TO $499 | 58 | 32 | 18 | 15 | 26 |
| $500 TO $599 | 45 | 29 | 23 | 5 | 16 |
| $600 TO $699 | 32 | 23 | 13 | 10 | 9 |
| $700 TO $799 | 50 | 37 | 21 | 15 | 14 |
| $800 OR MORE | 201 | 163 | 80 | 83 | 39 |
| MEDIAN | 488 | 614 | 563 | 711 | 358 |
| FUELS NOT USED OR FREE | 2 632 | 1 971 | 1 391 | 580 | 661 |
| SPECIFIED RENTER OCCUPIED[1] | 5 045 | 4 264 | 3 351 | 913 | 781 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 356 | 192 | 139 | 53 | 163 |
| LESS THAN $100 | 66 | 37 | 27 | 10 | 29 |
| $100 TO $199 | 44 | 10 | 6 | 5 | 34 |
| $200 TO $299 | 53 | 14 | 13 | 2 | 38 |
| $300 TO $399 | 26 | 12 | 9 | 3 | 14 |
| $400 TO $499 | 40 | 31 | 19 | 12 | 9 |
| $500 TO $599 | 27 | 23 | 17 | 7 | 4 |
| $600 TO $699 | 40 | 22 | 17 | 5 | 17 |
| $700 TO $799 | 10 | 2 | 2 | - | 8 |
| $800 OR MORE | 50 | 40 | 29 | 10 | 10 |
| MEDIAN | 357 | 471 | 477 | 463 | 249 |
| INCLUDED IN RENT | 1 151 | 1 087 | 916 | 171 | 64 |
| FUELS NOT USED OR FREE | 3 538 | 2 985 | 2 296 | 688 | 554 |
| ALL OCCUPIED HOUSING UNITS | 9 010 | 7 060 | 5 275 | 1 785 | 1 950 |
| HEATING EQUIPMENT | | | | | |
| OWNER OCCUPIED | 3 911 | 2 787 | 1 924 | 863 | 1 124 |
| WARM-AIR FURNACE | 1 852 | 1 502 | 1 042 | 460 | 350 |
| HEAT PUMP | 34 | 30 | 7 | 23 | 4 |
| STEAM OR HOT WATER | 504 | 486 | 380 | 106 | 18 |
| BUILT-IN ELECTRIC UNITS | 149 | 69 | 33 | 36 | 80 |
| FLOOR, WALL, OR PIPELESS FURNACE | 373 | 302 | 212 | 90 | 71 |
| ROOM HEATERS WITH FLUE | 290 | 162 | 106 | 55 | 128 |
| ROOM HEATERS WITHOUT FLUE | 488 | 177 | 121 | 56 | 311 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 215 | 55 | 23 | 33 | 160 |
| NONE | 8 | 4 | - | 4 | 4 |
| RENTER OCCUPIED | 5 099 | 4 273 | 3 351 | 922 | 826 |
| WARM-AIR FURNACE | 1 587 | 1 423 | 1 060 | 363 | 164 |
| HEAT PUMP | 39 | 39 | 21 | 18 | - |
| STEAM OR HOT WATER | 1 447 | 1 411 | 1 213 | 198 | 37 |
| BUILT-IN ELECTRIC UNITS | 357 | 318 | 222 | 96 | 39 |
| FLOOR, WALL, OR PIPELESS FURNACE | 468 | 401 | 314 | 87 | 67 |
| ROOM HEATERS WITH FLUE | 393 | 278 | 216 | 62 | 115 |
| ROOM HEATERS WITHOUT FLUE | 493 | 277 | 229 | 48 | 216 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 246 | 66 | 44 | 21 | 180 |
| NONE | 69 | 60 | 31 | 29 | 8 |

[1]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE F-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS FOR HOUSING UNITS WITH BLACK HOUSEHOLDER: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 9 010 | 7 060 | 5 275 | 1 785 | 1 950 |
| UNITS OCCUPIED LAST WINTER | 7 560 | 5 851 | 4 382 | 1 469 | 1 709 |
| INSUFFICIENT HEAT | | | | | |
| CLOSURE OF ROOMS: | | | | | |
| OWNER OCCUPIED | 3 756 | 2 669 | 1 852 | 816 | 1 088 |
| WITH HEATING EQUIPMENT | 3 751 | 2 665 | 1 852 | 813 | 1 086 |
| NO ROOMS CLOSED | 3 513 | 2 532 | 1 770 | 762 | 981 |
| CLOSED CERTAIN ROOMS | 212 | 113 | 63 | 50 | 99 |
| LIVING ROOM ONLY | 4 | 4 | 2 | 2 | - |
| DINING ROOM ONLY | 4 | - | - | - | 4 |
| 1 OR MORE BEDROOMS ONLY | 136 | 70 | 38 | 32 | 65 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 67 | 39 | 24 | 15 | 28 |
| NOT REPORTED | 2 | - | - | - | 2 |
| NOT REPORTED | 26 | 20 | 19 | 1 | 6 |
| NO HEATING EQUIPMENT | 5 | 4 | - | 4 | 2 |
| RENTER OCCUPIED | 3 804 | 3 182 | 2 530 | 653 | 622 |
| WITH HEATING EQUIPMENT | 3 760 | 3 138 | 2 508 | 630 | 622 |
| NO ROOMS CLOSED | 3 299 | 2 784 | 2 224 | 560 | 516 |
| CLOSED CERTAIN ROOMS | 413 | 312 | 253 | 59 | 101 |
| LIVING ROOM ONLY | 44 | 37 | 31 | 6 | 6 |
| DINING ROOM ONLY | 5 | 5 | 5 | - | - |
| 1 OR MORE BEDROOMS ONLY | 242 | 185 | 151 | 33 | 57 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 121 | 83 | 65 | 18 | 38 |
| NOT REPORTED | 2 | 2 | - | 2 | - |
| NOT REPORTED | 47 | 42 | 31 | 11 | 5 |
| NO HEATING EQUIPMENT | 44 | 44 | 22 | 22 | - |
| ADDITIONAL HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 3 756 | 2 669 | 1 852 | 816 | 1 088 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 064 | 2 438 | 1 715 | 724 | 625 |
| NO ADDITIONAL HEAT SOURCE USED | 2 666 | 2 137 | 1 500 | 637 | 529 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 337 | 264 | 188 | 75 | 74 |
| NOT REPORTED | 60 | 38 | 26 | 11 | 23 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 692 | 230 | 138 | 93 | 462 |
| RENTER OCCUPIED | 3 804 | 3 182 | 2 530 | 653 | 622 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 132 | 2 844 | 2 273 | 571 | 287 |
| NO ADDITIONAL HEAT SOURCE USED | 2 283 | 2 059 | 1 620 | 439 | 224 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 735 | 689 | 579 | 109 | 47 |
| NOT REPORTED | 113 | 97 | 74 | 23 | 16 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 673 | 338 | 256 | 81 | 335 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 3 756 | 2 669 | 1 852 | 816 | 1 088 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 064 | 2 438 | 1 715 | 724 | 625 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 283 | 1 882 | 1 338 | 544 | 401 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 716 | 519 | 355 | 164 | 197 |
| 1 ROOM | 147 | 123 | 84 | 38 | 24 |
| 2 ROOMS | 172 | 121 | 98 | 24 | 51 |
| 3 ROOMS OR MORE | 397 | 275 | 173 | 102 | 122 |
| NOT REPORTED | 64 | 37 | 21 | 16 | 27 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 692 | 230 | 138 | 93 | 462 |
| RENTER OCCUPIED | 3 804 | 3 182 | 2 530 | 653 | 622 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 132 | 2 844 | 2 273 | 571 | 287 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 2 355 | 2 187 | 1 750 | 438 | 168 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 671 | 566 | 453 | 113 | 105 |
| 1 ROOM | 214 | 191 | 165 | 26 | 23 |
| 2 ROOMS | 217 | 187 | 147 | 41 | 29 |
| 3 ROOMS OR MORE | 240 | 187 | 141 | 46 | 53 |
| NOT REPORTED | 106 | 91 | 70 | 21 | 15 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 673 | 338 | 256 | 81 | 335 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | |
| OWNER OCCUPIED | 3 756 | 2 669 | 1 852 | 816 | 1 088 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 064 | 2 438 | 1 715 | 724 | 625 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 692 | 230 | 138 | 93 | 462 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 531 | 176 | 111 | 65 | 355 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 103 | 24 | 12 | 11 | 80 |
| NOT REPORTED | 57 | 30 | 14 | 16 | 27 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE F-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS FOR HOUSING UNITS WITH BLACK HOUSEHOLDER: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD--CONTINUED | | | | | |
| RENTER OCCUPIED | 3 804 | 3 182 | 2 530 | 653 | 622 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 3 132 | 2 844 | 2 273 | 571 | 287 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 673 | 338 | 256 | 61 | 335 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 452 | 225 | 179 | 46 | 227 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 167 | 84 | 59 | 25 | 83 |
| NOT REPORTED | 54 | 29 | 19 | 10 | 25 |
| ALL OCCUPIED HOUSING UNITS | 9 010 | 7 060 | 5 275 | 1 785 | 1 950 |
| AIR CONDITIONING | | | | | |
| OWNER OCCUPIED | 3 911 | 2 787 | 1 924 | 863 | 1 124 |
| WITH AIR CONDITIONING | 2 151 | 1 624 | 1 104 | 520 | 527 |
| ROOM UNITS | 1 435 | 1 032 | 758 | 274 | 403 |
| 1 | 882 | 565 | 410 | 155 | 317 |
| 2 | 391 | 315 | 231 | 84 | 75 |
| 3 | 127 | 118 | 90 | 28 | 9 |
| 4 | 24 | 22 | 17 | 5 | 1 |
| 5 OR MORE | 11 | 11 | 9 | 2 | - |
| CENTRAL SYSTEM | 716 | 592 | 346 | 246 | 124 |
| WITH NO AIR CONDITIONING | 1 760 | 1 163 | 820 | 343 | 597 |
| RENTER OCCUPIED | 5 099 | 4 273 | 3 351 | 922 | 826 |
| WITH AIR CONDITIONING | 1 788 | 1 544 | 1 074 | 470 | 244 |
| ROOM UNITS | 1 091 | 946 | 714 | 232 | 145 |
| 1 | 867 | 745 | 577 | 168 | 122 |
| 2 | 200 | 178 | 117 | 62 | 21 |
| 3 | 18 | 15 | 13 | 2 | 2 |
| 4 | 7 | 7 | 7 | - | - |
| 5 OR MORE | - | - | - | - | - |
| CENTRAL SYSTEM | 696 | 598 | 360 | 238 | 98 |
| WITH NO AIR CONDITIONING | 3 312 | 2 729 | 2 277 | 452 | 582 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | |
| OWNER OCCUPIED | 2 480 | 1 843 | 1 225 | 618 | 637 |
| DRIVES SELF | 1 651 | 1 282 | 811 | 471 | 369 |
| CARPOOL | 533 | 314 | 213 | 101 | 219 |
| MASS TRANSPORTATION | 189 | 183 | 155 | 27 | 6 |
| BICYCLE, MOTORCYCLE, OR MOPED | 9 | 9 | 4 | 5 | - |
| TAXICAB | 5 | 2 | 2 | - | 3 |
| WALKS ONLY | 56 | 31 | 30 | 2 | 24 |
| OTHER MEANS | 12 | 3 | - | 3 | 9 |
| WORKS AT HOME | 26 | 20 | 10 | 9 | 6 |
| RENTER OCCUPIED | 2 905 | 2 453 | 1 806 | 647 | 452 |
| DRIVES SELF | 1 355 | 1 131 | 757 | 374 | 225 |
| CARPOOL | 593 | 449 | 301 | 147 | 145 |
| MASS TRANSPORTATION | 677 | 671 | 590 | 81 | 6 |
| BICYCLE, MOTORCYCLE, OR MOPED | 21 | 16 | 6 | 9 | 6 |
| TAXICAB | 22 | 20 | 16 | 4 | 2 |
| WALKS ONLY | 199 | 139 | 116 | 23 | 61 |
| OTHER MEANS | 10 | 4 | 2 | 2 | 6 |
| WORKS AT HOME | 27 | 25 | 19 | 7 | 2 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[2] | | | | | |
| OWNER OCCUPIED | 2 480 | 1 843 | 1 225 | 618 | 637 |
| HOUSEHOLDER DRIVES ALONE | 1 651 | 1 282 | 811 | 471 | 369 |
| IRREGULAR OR UNUSUAL WORK HOURS | 437 | 359 | 217 | 141 | 78 |
| IRREGULAR WORK LOCATION | 93 | 65 | 48 | 18 | 27 |
| CAR NEEDED FOR WORK OR ERRANDS | 138 | 106 | 66 | 40 | 32 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 516 | 376 | 223 | 153 | 140 |
| LIKES PRIVACY | 175 | 139 | 97 | 42 | 37 |
| OUT OF THE WAY TO PICK UP OTHERS | 80 | 61 | 46 | 15 | 19 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 26 | 22 | 11 | 11 | 4 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 51 | 44 | 26 | 17 | 7 |
| DOESN'T TRUST OTHERS DRIVING | 3 | 3 | 2 | 2 | - |
| SOME OTHER REASON | 127 | 105 | 76 | 29 | 22 |
| NOT REPORTED | 5 | 3 | - | 3 | 2 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 829 | 562 | 414 | 148 | 268 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE F-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS FOR HOUSING UNITS WITH BLACK HOUSEHOLDER: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1]--CON. | | | | | |
| RENTER OCCUPIED | 2 905 | 2 453 | 1 806 | 647 | 452 |
| HOUSEHOLDER DRIVES ALONE | 1 355 | 1 131 | 757 | 374 | 225 |
| IRREGULAR OR UNUSUAL WORK HOURS | 331 | 278 | 169 | 108 | 53 |
| IRREGULAR WORK LOCATION | 60 | 55 | 42 | 12 | 6 |
| CAR NEEDED FOR WORK OR ERRANDS | 136 | 119 | 82 | 36 | 17 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 452 | 345 | 235 | 110 | 107 |
| LIKES PRIVACY | 154 | 144 | 100 | 44 | 10 |
| OUT OF THE WAY TO PICK UP OTHERS | 73 | 65 | 49 | 15 | 8 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 26 | 21 | 14 | 8 | 5 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 35 | 30 | 16 | 14 | 6 |
| DOESN'T TRUST OTHERS DRIVING | 15 | 13 | 8 | 5 | 2 |
| SOME OTHER REASON | 65 | 58 | 39 | 19 | 7 |
| NOT REPORTED | 8 | 4 | 2 | 2 | 4 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 1 550 | 1 322 | 1 050 | 273 | 227 |
| DISTANCE FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 2 480 | 1 843 | 1 225 | 618 | 637 |
| LESS THAN 1 MILE | 166 | 95 | 64 | 31 | 71 |
| 1 TO 4 MILES | 487 | 327 | 253 | 74 | 159 |
| 5 TO 9 MILES | 541 | 462 | 330 | 132 | 79 |
| 10 TO 19 MILES | 611 | 491 | 318 | 173 | 120 |
| 20 TO 29 MILES | 250 | 199 | 103 | 96 | 51 |
| 30 TO 49 MILES | 100 | 60 | 36 | 23 | 40 |
| 50 MILES OR MORE | 56 | 14 | 4 | 10 | 42 |
| WORKS AT HOME | 26 | 20 | 10 | 9 | 6 |
| NO FIXED PLACE OF WORK | 245 | 176 | 106 | 69 | 69 |
| MEDIAN | 9.2 | 9.3 | 8.6 | 11.9 | 8.2 |
| RENTER OCCUPIED | 2 905 | 2 453 | 1 806 | 647 | 452 |
| LESS THAN 1 MILE | 296 | 202 | 160 | 42 | 94 |
| 1 TO 4 MILES | 793 | 662 | 552 | 110 | 131 |
| 5 TO 9 MILES | 642 | 577 | 398 | 179 | 65 |
| 10 TO 19 MILES | 627 | 554 | 366 | 188 | 72 |
| 20 TO 29 MILES | 207 | 183 | 131 | 52 | 24 |
| 30 TO 49 MILES | 76 | 58 | 39 | 18 | 18 |
| 50 MILES OR MORE | 34 | 21 | 16 | 6 | 13 |
| WORKS AT HOME | 27 | 25 | 19 | 7 | 2 |
| NO FIXED PLACE OF WORK | 203 | 170 | 125 | 45 | 33 |
| MEDIAN | 6.9 | 7.3 | 6.5 | 9.1 | 4.5 |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 2 480 | 1 843 | 1 225 | 618 | 637 |
| LESS THAN 15 MINUTES | 524 | 329 | 223 | 106 | 194 |
| 15 TO 29 MINUTES | 887 | 697 | 482 | 215 | 190 |
| 30 TO 44 MINUTES | 446 | 361 | 235 | 126 | 85 |
| 45 TO 59 MINUTES | 172 | 137 | 85 | 52 | 35 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 117 | 92 | 60 | 32 | 25 |
| 1 HOUR AND 30 MINUTES OR MORE | 65 | 32 | 23 | 9 | 33 |
| WORKS AT HOME | 26 | 20 | 10 | 9 | 6 |
| NO FIXED PLACE OF WORK | 245 | 176 | 106 | 69 | 69 |
| MEDIAN | 24.8 | 25.6 | 25.3 | 26.4 | 21.8 |
| RENTER OCCUPIED | 2 905 | 2 453 | 1 806 | 647 | 452 |
| LESS THAN 15 MINUTES | 764 | 572 | 418 | 154 | 192 |
| 15 TO 29 MINUTES | 971 | 828 | 605 | 223 | 143 |
| 30 TO 44 MINUTES | 493 | 446 | 323 | 122 | 47 |
| 45 TO 59 MINUTES | 192 | 177 | 122 | 55 | 15 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 190 | 176 | 141 | 35 | 14 |
| 1 HOUR AND 30 MINUTES OR MORE | 65 | 59 | 54 | 6 | 5 |
| WORKS AT HOME | 27 | 25 | 19 | 7 | 2 |
| NO FIXED PLACE OF WORK | 203 | 170 | 125 | 45 | 33 |
| MEDIAN | 23.8 | 25.1 | 25.3 | 24.6 | 16.7 |

[1]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE G-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS FOR HOUSING UNITS WITH HOUSEHOLDER OF SPANISH ORIGIN: 1981

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 4 328 | 3 610 | 2 132 | 1 478 | 718 |
| HOUSE HEATING FUEL | | | | | |
| OWNER OCCUPIED | 1 814 | 1 419 | 731 | 688 | 395 |
| UTILITY GAS | 1 288 | 1 033 | 584 | 449 | 255 |
| BOTTLED, TANK, OR LP GAS | 74 | 31 | 2 | 29 | 42 |
| FUEL OIL | 92 | 69 | 31 | 38 | 23 |
| KEROSENE, ETC | 2 | 2 | - | 2 | - |
| ELECTRICITY | 299 | 243 | 96 | 146 | 56 |
| COAL OR COKE | - | - | - | - | - |
| WOOD | 23 | 9 | 2 | 7 | 14 |
| SOLAR HEAT | - | - | - | - | - |
| OTHER FUEL | - | - | - | - | - |
| NONE | 37 | 32 | 15 | 16 | 5 |
| RENTER OCCUPIED | 2 514 | 2 191 | 1 401 | 790 | 323 |
| UTILITY GAS | 1 427 | 1 232 | 777 | 455 | 195 |
| BOTTLED, TANK, OR LP GAS | 49 | 19 | 2 | 18 | 30 |
| FUEL OIL | 455 | 444 | 375 | 69 | 10 |
| KEROSENE, ETC | 1 | 1 | - | 1 | - |
| ELECTRICITY | 436 | 370 | 187 | 183 | 65 |
| COAL OR COKE | 3 | 2 | 2 | - | 2 |
| WOOD | 17 | 13 | 7 | 6 | 4 |
| SOLAR HEAT | - | - | - | - | - |
| OTHER FUEL | 2 | 2 | - | 2 | - |
| NONE | 124 | 108 | 52 | 56 | 16 |
| MONTHLY COST PAID FOR ELECTRICITY | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 1 573 | 1 246 | 641 | 605 | 327 |
| ELECTRICITY PAID FOR | 1 568 | 1 246 | 641 | 605 | 322 |
| LESS THAN $10 | 17 | 15 | 10 | 6 | 2 |
| $10 TO $19 | 166 | 109 | 37 | 71 | 57 |
| $20 TO $29 | 262 | 194 | 97 | 97 | 69 |
| $30 TO $39 | 267 | 221 | 125 | 96 | 46 |
| $40 TO $49 | 170 | 143 | 71 | 73 | 27 |
| $50 TO $59 | 170 | 147 | 87 | 61 | 23 |
| $60 TO $79 | 200 | 152 | 87 | 65 | 47 |
| $80 TO $99 | 123 | 103 | 58 | 45 | 21 |
| $100 TO $149 | 147 | 121 | 55 | 66 | 26 |
| $150 OR MORE | 46 | 41 | 15 | 25 | 5 |
| MEDIAN | 44 | 45 | 47 | 44 | 37 |
| NO ELECTRICITY USED | 5 | - | - | - | 5 |
| SPECIFIED RENTER OCCUPIED[2] | 2 475 | 2 180 | 1 401 | 779 | 295 |
| ELECTRICITY PAID FOR | 1 944 | 1 711 | 1 075 | 637 | 233 |
| LESS THAN $10 | 120 | 108 | 58 | 51 | 12 |
| $10 TO $19 | 504 | 458 | 273 | 185 | 46 |
| $20 TO $29 | 450 | 402 | 285 | 117 | 48 |
| $30 TO $39 | 306 | 275 | 193 | 82 | 31 |
| $40 TO $49 | 173 | 140 | 86 | 54 | 32 |
| $50 TO $59 | 124 | 98 | 65 | 33 | 27 |
| $60 TO $79 | 117 | 105 | 52 | 54 | 12 |
| $80 TO $99 | 62 | 52 | 30 | 22 | 10 |
| $100 TO $149 | 47 | 39 | 19 | 19 | 9 |
| $150 OR MORE | 41 | 34 | 15 | 19 | 6 |
| MEDIAN | 27 | 26 | 27 | 26 | 33 |
| INCLUDED IN RENT | 521 | 462 | 324 | 138 | 60 |
| NO ELECTRICITY USED | 9 | 8 | 3 | 4 | 2 |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS | | | | | |
| SPECIFIED OWNER OCCUPIED[1] | 1 573 | 1 246 | 641 | 605 | 327 |
| GAS PAID FOR | 1 350 | 1 074 | 590 | 484 | 277 |
| LESS THAN $10 | 97 | 79 | 39 | 40 | 17 |
| $10 TO $14 | 170 | 144 | 66 | 79 | 25 |
| $15 TO $19 | 173 | 136 | 58 | 77 | 37 |
| $20 TO $24 | 187 | 159 | 89 | 71 | 28 |
| $25 TO $29 | 124 | 98 | 56 | 43 | 25 |
| $30 TO $39 | 249 | 180 | 115 | 66 | 68 |
| $40 TO $49 | 134 | 95 | 56 | 39 | 39 |
| $50 TO $69 | 121 | 105 | 68 | 38 | 16 |
| $70 TO $99 | 66 | 49 | 33 | 16 | 17 |
| $100 OR MORE | 30 | 27 | 11 | 16 | 3 |
| MEDIAN | 27 | 26 | 28 | 23 | 31 |
| NO GAS USED | 223 | 172 | 51 | 121 | 51 |

[1]LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.
[2]EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.

TABLE G-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS FOR HOUSING UNITS WITH HOUSEHOLDER OF SPANISH ORIGIN: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| MONTHLY COST PAID FOR UTILITY, BOTTLED, TANK, OR LP GAS--CONTINUED | | | | | |
| SPECIFIED RENTER OCCUPIED[1] | 2 475 | 2 180 | 1 401 | 779 | 295 |
| GAS PAID FOR | 1 479 | 1 307 | 848 | 460 | 172 |
| LESS THAN $10 | 361 | 332 | 214 | 118 | 28 |
| $10 TO $14 | 323 | 299 | 201 | 98 | 24 |
| $15 TO $19 | 215 | 197 | 118 | 79 | 18 |
| $20 TO $24 | 155 | 141 | 96 | 45 | 14 |
| $25 TO $29 | 103 | 85 | 61 | 24 | 18 |
| $30 TO $39 | 137 | 117 | 72 | 44 | 21 |
| $40 TO $49 | 57 | 38 | 22 | 16 | 20 |
| $50 TO $69 | 73 | 53 | 37 | 16 | 20 |
| $70 TO $99 | 38 | 30 | 17 | 13 | 8 |
| $100 OR MORE | 17 | 17 | 10 | 6 | - |
| MEDIAN | 16 | 15 | 15 | 16 | 25 |
| INCLUDED IN RENT | 664 | 589 | 411 | 178 | 75 |
| NO GAS USED | 332 | 284 | 143 | 141 | 48 |
| YEARLY COST PAID FOR FUEL OIL, KEROSENE, COAL, WOOD, ETC. | | | | | |
| SPECIFIED OWNER OCCUPIED[2] | 1 573 | 1 246 | 641 | 605 | 327 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 142 | 112 | 51 | 61 | 30 |
| LESS THAN $100 | 37 | 31 | 21 | 9 | 7 |
| $100 TO $199 | 27 | 20 | 13 | 7 | 7 |
| $200 TO $299 | 14 | 13 | 2 | 11 | 2 |
| $300 TO $399 | 9 | 6 | - | 6 | 4 |
| $400 TO $499 | 7 | 4 | 1 | 2 | 3 |
| $500 TO $599 | 2 | 2 | 2 | - | - |
| $600 TO $699 | 10 | 8 | 2 | 6 | 2 |
| $700 TO $799 | 4 | 4 | - | 4 | - |
| $800 OR MORE | 31 | 26 | 10 | 16 | 5 |
| MEDIAN | 243 | 242 | 132 | 361 | ... |
| FUELS NOT USED OR FREE | 1 431 | 1 134 | 590 | 544 | 297 |
| SPECIFIED RENTER OCCUPIED[1] | 2 475 | 2 180 | 1 401 | 779 | 295 |
| FUEL OIL, KEROSENE, COAL, WOOD, ETC., PAID FOR | 60 | 47 | 30 | 17 | 13 |
| LESS THAN $100 | 23 | 22 | 18 | 3 | 2 |
| $100 TO $199 | 12 | 7 | 2 | 6 | 5 |
| $200 TO $299 | - | - | - | - | - |
| $300 TO $399 | 8 | 6 | 3 | 3 | 2 |
| $400 TO $499 | 3 | 1 | - | 1 | 2 |
| $500 TO $599 | 3 | 3 | 2 | 1 | - |
| $600 TO $699 | - | - | - | - | - |
| $700 TO $799 | - | - | - | - | - |
| $800 OR MORE | 11 | 8 | 5 | 3 | 3 |
| MEDIAN | 153 | 123 | ... | ... | ... |
| INCLUDED IN RENT | 597 | 561 | 467 | 94 | 36 |
| FUELS NOT USED OR FREE | 1 818 | 1 573 | 905 | 668 | 246 |
| ALL OCCUPIED HOUSING UNITS | 4 328 | 3 610 | 2 132 | 1 478 | 718 |
| HEATING EQUIPMENT | | | | | |
| OWNER OCCUPIED | 1 614 | 1 419 | 731 | 688 | 395 |
| WARM-AIR FURNACE | 788 | 649 | 305 | 343 | 140 |
| HEAT PUMP | 61 | 57 | 14 | 43 | 4 |
| STEAM OR HOT WATER | 124 | 96 | 61 | 35 | 28 |
| BUILT-IN ELECTRIC UNITS | 73 | 59 | 27 | 33 | 14 |
| FLOOR, WALL, OR PIPELESS FURNACE | 345 | 287 | 146 | 141 | 58 |
| ROOM HEATERS WITH FLUE | 105 | 59 | 45 | 14 | 46 |
| ROOM HEATERS WITHOUT FLUE | 170 | 107 | 77 | 30 | 63 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 110 | 73 | 40 | 33 | 37 |
| NONE | 37 | 32 | 15 | 16 | 5 |
| RENTER OCCUPIED | 2 514 | 2 191 | 1 401 | 790 | 323 |
| WARM-AIR FURNACE | 551 | 455 | 260 | 195 | 96 |
| HEAT PUMP | 57 | 57 | 23 | 33 | - |
| STEAM OR HOT WATER | 670 | 651 | 563 | 88 | 19 |
| BUILT-IN ELECTRIC UNITS | 176 | 131 | 57 | 74 | 45 |
| FLOOR, WALL, OR PIPELESS FURNACE | 544 | 505 | 241 | 263 | 39 |
| ROOM HEATERS WITH FLUE | 143 | 109 | 70 | 39 | 34 |
| ROOM HEATERS WITHOUT FLUE | 147 | 87 | 66 | 21 | 60 |
| FIREPLACES, STOVES, OR PORTABLE HEATERS | 102 | 89 | 69 | 20 | 14 |
| NONE | 124 | 108 | 52 | 56 | 16 |

[1] EXCLUDES 1-UNIT STRUCTURES ON 10 ACRES OR MORE.
[2] LIMITED TO 1-UNIT STRUCTURES ON LESS THAN 10 ACRES AND NO BUSINESS ON PROPERTY.

TABLE G-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS FOR HOUSING UNITS WITH HOUSEHOLDER OF SPANISH ORIGIN: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS | 4 328 | 3 610 | 2 132 | 1 478 | 718 |
| UNITS OCCUPIED LAST WINTER | 3 364 | 2 802 | 1 650 | 1 152 | 562 |
| INSUFFICIENT HEAT | | | | | |
| CLOSURE OF ROOMS: | | | | | |
| OWNER OCCUPIED | 1 680 | 1 316 | 688 | 629 | 363 |
| WITH HEATING EQUIPMENT | 1 645 | 1 285 | 672 | 612 | 360 |
| NO ROOMS CLOSED | 1 573 | 1 227 | 645 | 582 | 346 |
| CLOSED CERTAIN ROOMS | 47 | 44 | 23 | 21 | 3 |
| LIVING ROOM ONLY | 2 | 2 | 2 | - | - |
| DINING ROOM ONLY | 4 | 4 | - | 4 | - |
| 1 OR MORE BEDROOMS ONLY | 35 | 31 | 17 | 14 | 3 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 7 | 7 | 4 | 3 | - |
| NOT REPORTED | - | - | - | - | - |
| NOT REPORTED | 24 | 13 | 4 | 9 | 11 |
| NO HEATING EQUIPMENT | 35 | 32 | 15 | 16 | 3 |
| RENTER OCCUPIED | 1 685 | 1 486 | 962 | 523 | 199 |
| WITH HEATING EQUIPMENT | 1 600 | 1 414 | 922 | 492 | 186 |
| NO ROOMS CLOSED | 1 431 | 1 270 | 815 | 455 | 161 |
| CLOSED CERTAIN ROOMS | 134 | 113 | 85 | 28 | 21 |
| LIVING ROOM ONLY | 18 | 15 | 12 | 3 | 3 |
| DINING ROOM ONLY | - | - | - | - | - |
| 1 OR MORE BEDROOMS ONLY | 84 | 71 | 55 | 17 | 13 |
| OTHER ROOMS OR COMBINATION OF ROOMS | 28 | 23 | 17 | 7 | 5 |
| NOT REPORTED | 3 | 3 | 2 | 2 | - |
| NOT REPORTED | 35 | 32 | 22 | 10 | 3 |
| NO HEATING EQUIPMENT | 84 | 71 | 40 | 31 | 13 |
| ADDITIONAL HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 1 680 | 1 316 | 688 | 629 | 363 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 1 379 | 1 112 | 562 | 550 | 267 |
| NO ADDITIONAL HEAT SOURCE USED | 1 259 | 1 013 | 513 | 500 | 246 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 93 | 79 | 42 | 38 | 14 |
| NOT REPORTED | 27 | 20 | 7 | 12 | 7 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 301 | 204 | 125 | 79 | 96 |
| RENTER OCCUPIED | 1 685 | 1 486 | 962 | 523 | 199 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 1 431 | 1 297 | 827 | 470 | 134 |
| NO ADDITIONAL HEAT SOURCE USED | 1 142 | 1 030 | 634 | 396 | 113 |
| USED KITCHEN STOVE, FIREPLACE, OR PORTABLE HEATER | 264 | 245 | 188 | 56 | 20 |
| NOT REPORTED | 25 | 23 | 5 | 18 | 2 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 253 | 189 | 135 | 53 | 65 |
| ROOMS LACKING SPECIFIED HEAT SOURCE: | | | | | |
| OWNER OCCUPIED | 1 680 | 1 316 | 688 | 629 | 363 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 1 379 | 1 112 | 562 | 550 | 267 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 901 | 726 | 356 | 370 | 175 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 445 | 358 | 193 | 165 | 87 |
| 1 ROOM | 86 | 65 | 39 | 26 | 21 |
| 2 ROOMS | 117 | 92 | 48 | 44 | 25 |
| 3 ROOMS OR MORE | 241 | 200 | 105 | 95 | 41 |
| NOT REPORTED | 33 | 28 | 14 | 14 | 5 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 301 | 204 | 125 | 79 | 96 |
| RENTER OCCUPIED | 1 685 | 1 486 | 962 | 523 | 199 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 1 431 | 1 297 | 827 | 470 | 134 |
| NO ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 972 | 669 | 622 | 248 | 102 |
| ROOMS LACKING AIR DUCTS, REGISTERS, RADIATORS, OR HEATERS | 433 | 403 | 200 | 203 | 30 |
| 1 ROOM | 139 | 134 | 85 | 48 | 5 |
| 2 ROOMS | 171 | 154 | 71 | 83 | 17 |
| 3 ROOMS OR MORE | 123 | 115 | 43 | 72 | 8 |
| NOT REPORTED | 26 | 24 | 5 | 19 | 2 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 253 | 189 | 135 | 53 | 65 |
| HOUSING UNIT UNCOMFORTABLY COLD: | | | | | |
| OWNER OCCUPIED | 1 680 | 1 316 | 688 | 629 | 363 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 1 379 | 1 112 | 562 | 550 | 267 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 301 | 204 | 125 | 79 | 96 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 250 | 170 | 103 | 67 | 80 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 31 | 24 | 15 | 9 | 7 |
| NOT REPORTED | 19 | 10 | 7 | 3 | 9 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.

TABLE G-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS FOR HOUSING UNITS WITH HOUSEHOLDER OF SPANISH ORIGIN: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| ALL OCCUPIED HOUSING UNITS--CONTINUED | | | | | |
| UNITS OCCUPIED LAST WINTER--CONTINUED | | | | | |
| INSUFFICIENT HEAT--CONTINUED | | | | | |
| HOUSING UNIT UNCOMFORTABLY COLD--CONTINUED | | | | | |
| RENTER OCCUPIED | 1 685 | 1 486 | 962 | 523 | 199 |
| WITH SPECIFIED HEATING EQUIPMENT[1] | 1 431 | 1 297 | 827 | 470 | 134 |
| LACKING SPECIFIED HEATING EQUIPMENT OR NONE | 253 | 189 | 135 | 53 | 65 |
| HOUSING UNIT NOT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 162 | 115 | 86 | 29 | 47 |
| HOUSING UNIT UNCOMFORTABLY COLD FOR 24 HOURS OR MORE | 70 | 57 | 37 | 20 | 13 |
| NOT REPORTED | 22 | 17 | 12 | 5 | 5 |
| ALL OCCUPIED HOUSING UNITS | 4 328 | 3 610 | 2 132 | 1 478 | 718 |
| AIR CONDITIONING | | | | | |
| OWNER OCCUPIED | 1 814 | 1 419 | 731 | 668 | 395 |
| WITH AIR CONDITIONING | 964 | 790 | 396 | 395 | 174 |
| ROOM UNITS | 466 | 374 | 222 | 152 | 92 |
| 1 | 275 | 219 | 120 | 99 | 56 |
| 2 | 140 | 109 | 75 | 34 | 31 |
| 3 | 37 | 35 | 19 | 16 | 2 |
| 4 | 14 | 11 | 8 | 3 | 4 |
| 5 OR MORE | - | - | - | - | - |
| CENTRAL SYSTEM | 497 | 416 | 173 | 243 | 81 |
| WITH NO AIR CONDITIONING | 850 | 629 | 335 | 294 | 222 |
| RENTER OCCUPIED | 2 514 | 2 191 | 1 401 | 790 | 323 |
| WITH AIR CONDITIONING | 912 | 792 | 462 | 331 | 120 |
| ROOM UNITS | 530 | 467 | 297 | 170 | 63 |
| 1 | 419 | 370 | 233 | 137 | 49 |
| 2 | 95 | 83 | 56 | 27 | 12 |
| 3 | 13 | 11 | 5 | 6 | 2 |
| 4 | 3 | 3 | 3 | - | - |
| 5 OR MORE | - | - | - | - | - |
| CENTRAL SYSTEM | 382 | 325 | 165 | 160 | 57 |
| WITH NO AIR CONDITIONING | 1 602 | 1 399 | 940 | 459 | 203 |
| HOUSEHOLDER'S PRINCIPAL MEANS OF TRANSPORTATION TO WORK[2] | | | | | |
| OWNER OCCUPIED | 1 399 | 1 117 | 564 | 554 | 282 |
| DRIVES SELF | 1 028 | 820 | 410 | 410 | 206 |
| CARPOOL | 289 | 224 | 104 | 120 | 65 |
| MASS TRANSPORTATION | 36 | 36 | 25 | 11 | - |
| BICYCLE, MOTORCYCLE, OR MOPED | 10 | 10 | 4 | 6 | - |
| TAXICAB | - | - | - | - | - |
| WALKS ONLY | 17 | 13 | 10 | 3 | 4 |
| OTHER MEANS | 4 | 2 | 2 | - | 2 |
| WORKS AT HOME | 16 | 12 | 9 | 4 | 3 |
| RENTER OCCUPIED | 1 659 | 1 423 | 875 | 547 | 236 |
| DRIVES SELF | 864 | 716 | 379 | 338 | 147 |
| CARPOOL | 347 | 279 | 159 | 119 | 68 |
| MASS TRANSPORTATION | 275 | 275 | 248 | 26 | - |
| BICYCLE, MOTORCYCLE, OR MOPED | 18 | 16 | 10 | 6 | 2 |
| TAXICAB | 2 | 2 | 2 | - | - |
| WALKS ONLY | 135 | 120 | 70 | 50 | 15 |
| OTHER MEANS | 2 | 2 | - | 2 | - |
| WORKS AT HOME | 17 | 13 | 7 | 6 | 5 |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[2] | | | | | |
| OWNER OCCUPIED | 1 399 | 1 117 | 564 | 554 | 282 |
| HOUSEHOLDER DRIVES ALONE | 1 028 | 820 | 410 | 410 | 206 |
| IRREGULAR OR UNUSUAL WORK HOURS | 312 | 255 | 137 | 118 | 57 |
| IRREGULAR WORK LOCATION | 63 | 48 | 23 | 25 | 15 |
| CAR NEEDED FOR WORK OR ERRANDS | 210 | 168 | 83 | 86 | 41 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 230 | 175 | 80 | 95 | 55 |
| LIKES PRIVACY | 61 | 52 | 25 | 27 | 9 |
| OUT OF THE WAY TO PICK UP OTHERS | 64 | 45 | 27 | 18 | 19 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 11 | 11 | 4 | 7 | - |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 20 | 20 | 13 | 7 | - |
| DOESN'T TRUST OTHERS DRIVING | 2 | 2 | - | 2 | - |
| SOME OTHER REASON | 52 | 43 | 19 | 24 | 9 |
| NOT REPORTED | 5 | 2 | - | 2 | 3 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 371 | 297 | 153 | 144 | 74 |

[1]EXCLUDES ROOM HEATERS WITHOUT FLUE OR VENT, FIREPLACES, STOVES, AND PORTABLE HEATERS.
[2]LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

TABLE G-1. FUEL, FUEL COST, HEATING, AIR CONDITIONING, AND TRANSPORTATION CHARACTERISTICS FOR HOUSING UNITS WITH HOUSEHOLDER OF SPANISH ORIGIN: 1981--CONTINUED

(NUMBERS IN THOUSANDS. DATA BASED ON SAMPLE, SEE TEXT. FOR MINIMUM BASE FOR DERIVED FIGURES (PERCENT, MEDIAN, ETC.) AND MEANING OF SYMBOLS, SEE TEXT)

| UNITED STATES TOTAL | TOTAL | INSIDE SMSA'S | | | OUTSIDE SMSA'S |
|---|---|---|---|---|---|
| | | TOTAL | IN CENTRAL CITIES | NOT IN CENTRAL CITIES | |
| MAIN REASON HOUSEHOLDER DRIVES ALONE TO WORK[1]--CON. | | | | | |
| RENTER OCCUPIED | 1 659 | 1 423 | 875 | 547 | 236 |
| HOUSEHOLDER DRIVES ALONE | 864 | 716 | 379 | 338 | 147 |
| IRREGULAR OR UNUSUAL WORK HOURS | 195 | 162 | 77 | 86 | 33 |
| IRREGULAR WORK LOCATION | 47 | 43 | 26 | 17 | 5 |
| CAR NEEDED FOR WORK OR ERRANDS | 125 | 100 | 54 | 47 | 25 |
| DOESN'T KNOW ANYONE TO RIDE WITH | 323 | 260 | 149 | 111 | 62 |
| LIKES PRIVACY | 61 | 58 | 27 | 31 | 3 |
| OUT OF THE WAY TO PICK UP OTHERS | 45 | 37 | 15 | 22 | 7 |
| RIDERS REQUIRE EXTRA WAITING OR ARE NOT DEPENDABLE | 10 | 8 | 5 | 3 | 2 |
| CAR WANTED FOR EMERGENCIES OR OCCASIONAL OVERTIME | 20 | 17 | 10 | 7 | 3 |
| DOESN'T TRUST OTHERS DRIVING | 2 | 2 | - | 2 | - |
| SOME OTHER REASON | 25 | 21 | 12 | 10 | 3 |
| NOT REPORTED | 11 | 8 | 5 | 3 | 3 |
| OTHER PRINCIPAL MEANS OF TRANSPORTATION OR WORKS AT HOME | 795 | 706 | 496 | 210 | 89 |
| DISTANCE FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 1 399 | 1 117 | 564 | 554 | 282 |
| LESS THAN 1 MILE | 90 | 47 | 33 | 14 | 44 |
| 1 TO 4 MILES | 319 | 237 | 146 | 91 | 82 |
| 5 TO 9 MILES | 288 | 258 | 145 | 113 | 29 |
| 10 TO 19 MILES | 315 | 275 | 117 | 158 | 40 |
| 20 TO 29 MILES | 88 | 64 | 21 | 43 | 25 |
| 30 TO 49 MILES | 75 | 57 | 18 | 39 | 18 |
| 50 MILES OR MORE | 37 | 35 | 16 | 19 | 2 |
| WORKS AT HOME | 16 | 12 | 9 | 4 | 3 |
| NO FIXED PLACE OF WORK | 172 | 133 | 59 | 74 | 39 |
| MEDIAN | 8.4 | 8.9 | 7.4 | 11.3 | 4.7 |
| RENTER OCCUPIED | 1 659 | 1 423 | 875 | 547 | 236 |
| LESS THAN 1 MILE | 198 | 157 | 87 | 70 | 42 |
| 1 TO 4 MILES | 430 | 354 | 225 | 129 | 76 |
| 5 TO 9 MILES | 360 | 337 | 221 | 116 | 23 |
| 10 TO 19 MILES | 343 | 305 | 195 | 110 | 38 |
| 20 TO 29 MILES | 93 | 86 | 56 | 31 | 6 |
| 30 TO 49 MILES | 51 | 38 | 15 | 22 | 13 |
| 50 MILES OR MORE | 14 | 10 | 3 | 7 | 3 |
| WORKS AT HOME | 17 | 13 | 7 | 6 | 5 |
| NO FIXED PLACE OF WORK | 152 | 123 | 66 | 56 | 29 |
| MEDIAN | 6.6 | 7.0 | 7.0 | 6.9 | 4.1 |
| TRAVEL TIME FROM HOME TO WORK[1] | | | | | |
| OWNER OCCUPIED | 1 399 | 1 117 | 564 | 554 | 282 |
| LESS THAN 15 MINUTES | 404 | 285 | 166 | 119 | 120 |
| 15 TO 29 MINUTES | 506 | 432 | 219 | 213 | 74 |
| 30 TO 44 MINUTES | 168 | 141 | 64 | 77 | 27 |
| 45 TO 59 MINUTES | 64 | 51 | 23 | 27 | 14 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 53 | 49 | 18 | 31 | 4 |
| 1 HOUR AND 30 MINUTES OR MORE | 16 | 15 | 6 | 9 | 2 |
| WORKS AT HOME | 16 | 12 | 9 | 4 | 3 |
| NO FIXED PLACE OF WORK | 172 | 133 | 59 | 74 | 39 |
| MEDIAN | 21.0 | 22.0 | 20.6 | 23.4 | 15.0 |
| RENTER OCCUPIED | 1 659 | 1 423 | 875 | 547 | 236 |
| LESS THAN 15 MINUTES | 501 | 390 | 202 | 188 | 111 |
| 15 TO 29 MINUTES | 535 | 477 | 294 | 183 | 58 |
| 30 TO 44 MINUTES | 249 | 229 | 167 | 62 | 20 |
| 45 TO 59 MINUTES | 100 | 90 | 64 | 27 | 10 |
| 1 HOUR TO 1 HOUR AND 29 MINUTES | 89 | 86 | 64 | 22 | 3 |
| 1 HOUR AND 30 MINUTES OR MORE | 16 | 16 | 12 | 4 | - |
| WORKS AT HOME | 17 | 13 | 7 | 6 | 5 |
| NO FIXED PLACE OF WORK | 152 | 123 | 66 | 56 | 29 |
| MEDIAN | 21.8 | 23.0 | 25.1 | 19.5 | 15.0- |

[1] LIMITED TO HOUSEHOLDERS WHO REPORTED HAVING A JOB THE WEEK PRIOR TO INTERVIEW.

# Appendix A

## Area Classifications and Definitions, Explanations of Subject Characteristics, and Facsimile of the Annual Housing Survey Questionnaire: 1981


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- Farm-nonfarm residence . . . . . App-2
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## AREA CLASSIFICATIONS

**Urban and rural residence**—Urban housing comprises all housing units in urbanized areas and in places of 2,500 inhabitants or more outside urbanized areas. More specifically, urban housing consists of all housing units in (a) places of 2,500 inhabitants or more incorporated as cities, villages, boroughs (except Alaska), and towns (except in the New England States, New York, and Wisconsin), but excluding those housing units in the rural portions of extended cities; (b) unincorporated places of 2,500 inhabitants or more; and (c) other territory, incorporated or unincorporated, included in urbanized areas. Housing units not classified as urban constitute rural housing. Information on the historical development or the urban-rural definition appears in the 1970 Population Census PC(1)-A reports.

In the Annual Housing Survey, the urban and rural residence classification of the housing units is the same as in the 1970 census.

**Farm-nonfarm residence**—In rural areas, occupied housing units are subdivided into rural-farm housing, which comprises all rural units on farms, and rural-nonfarm housing, which comprises the remaining rural units. Occupied housing units are classified as farm units if they are located on places of 10 or more acres from which sales of farm products amounted to $50 or more during the 12-month period prior to the interview or on places of less than 10 acres from which sales of farm products amounted to $250 or more during the 12-month period prior to the interview. Occupied units in rural territory which do not meet the definition for farm housing are classified as nonfarm. All vacant units in rural areas are also classified as nonfarm.

**Counties**—The primary divisions of most of the States are termed counties; in Louisiana, the corresponding areas are termed parishes. Alaska has no counties; in this State, areas designated as census divisions have been defined for general statistical purposes by the State in cooperation with the Census Bureau and are treated as county equivalents. Four States (Maryland, Missouri, Nevada, and Virginia) contain one or more cities that are independent of any county; for statistical purposes these independent cities are treated as county equivalents.

**Standard metropolitan statistical areas**—The definitions of standard metropolitan statistical areas (SMSA's) used in the Annual Housing Survey correspond to the 243 SMSA's used in the 1970 census. These include the 228 SMSA's defined and named in the Bureau of the Budget publication, *Standard Metropolitan Statistical Areas: 1967,* U.S. Government Printing Office, Washington, D.C. 20402. After 1967, 15 SMSA's were added, of which 2 were defined in January 1968, and an additional 13 were defined in February 1971 as a result of the 1970 census. Changes in SMSA definition criteria, boundaries, and titles made after February 1971 are not reflected in this series of reports. SMSA's are defined by the Office of Management and Budget (formerly Bureau of the Budget).

Except in the New England States, an SMSA is a county or group of contiguous counties which contains at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000. In addition to the county or counties containing such a city or cities, contiguous counties are included in an SMSA if, according to certain criteria, they are socially and economically integrated with the central city. In the New England States, SMSA's consist of towns and cities instead of counties. Each SMSA must include at least one central city, and the complete title of an SMSA identifies the central city or cities. For a detailed description of the criteria used in defining SMSA's, see the Bureau of the Budget publication cited in the preceding paragraph.

In this report, figures for "in central cities" refer to all housing units within the legal city boundaries. For a few central cities, the figures include some housing units in parts of the city classified as rural in the 1970 census.

## DEFINITIONS AND EXPLANATIONS OF SUBJECT CHARACTERISTICS

### General

As stated in the introduction, the 1981 Annual Housing Survey was conducted by interview. The survey interviewers were instructed to read the questions directly from the questionnaire. The definitions and explanations given for each subject are, to a considerable extent, drawn from various technical and procedural materials used in the collection of the data. This material helped the field interviewers to understand more fully the intent of each question and thus to resolve problems or unusual cases. Additional explanatory information has been added to this portion of the text to assist the user in understanding the statistics.

**Comparability with 1973 through 1980 Annual Housing Surveys**—Most of the concepts and definitions used in the 1973 through 1981 reports are essentially the same. However, there are significant differences in the measurement of housing losses between the 1973 report and the 1974 through 1981 reports. In the 1974 through 1981 reports, the data refer to losses of individual housing units. Also, in 1973, a housing unit was counted as a loss only when the whole structure in which the unit was located was lost from the inventory. In addition, the source of the 1970 data in the 1974 through 1981 reports is the 1970 census unpublished tabulations; however, the 1970 data in the 1973 report are from both published and unpublished tabulations.

A difference also exists between the weighting procedures used for the 1981 Annual Housing Survey and the 1973 through 1980 Annual Housing Surveys. The independent household estimate used in the 1981 Annual Housing Survey are Current Population Survey (CPS) estimates derived from the 1980 census. The CPS independent household estimates used in the weighting of data in the 1973 through 1980 Annual Housing Surveys were derived from the 1970 census. The 1970-based estimates are about 2 percent smaller than the 1980-based estimate. A detailed explanation appears in appendix B.

Additional differences, if any, are discussed under the particular subject later in the section. Because of the relatively small sample size, particular care should be taken in making year to year comparisons, especially where there are small differences between the figures (see appendix B).

**Comparability with 1970 Census of Housing data**—The concepts and definitions are essentially the same for items that appear in both the 1970 census and the 1981 survey.

There is a major difference, however, in the time period of the "recent mover" classification (see parts D and E of this series). In the Annual Housing Survey, "recent movers" are households that moved into their unit during the 12 months prior to the interview, a time period of 1 year or less. In the 1970 Census of Housing reports, different time periods were used. In Volume II, *Metropolitan Housing Characteristics,* the shortest time period for "year moved into unit," is 1969 to March 1970 (1 1/4 years); in Volume IV, *Components of Inventory Change,* the period is 1969 to December 1970 (approximately 2 years); and in Volume VII, No. 5, *Mover Households,* the time period is April 1965 to March 1970 (approximately 5 years).

Other definitional differences, if any, are discussed under the particular subject. Additional differences between the 1981 Annual Housing Survey data and the 1970 census data may be attributed to several factors. These include the extensive use of self-enumeration in the census in contrast to interviews in the Annual Housing Survey; differences in processing procedures; the estimation procedures and sample designs; the sampling variability of the estimates from the Annual Housing Survey; to a smaller extent, the sampling variability associated with the sample data from the census; the nonsampling errors associated with the Annual Housing Survey estimates; and the nonsampling errors associated with the census data.

Statistics on counts and characteristics of changes in the housing inventory between the 1960 and 1970 censuses are given for the United States and for 15 selected SMSA's in the 1970 Census of Housing, Volume IV, *Components of Inventory Change.* In volume IV, the data are based on information for a sample of housing units enumerated in late 1970 as part of the 1970 census. Data are provided for such components of change between 1960 and 1970 as new construction, conversions, other additions, demolitions, mergers, other losses, and housing units that were the same in 1960 and in 1970.

In parts A and E of this series, data for some of these components are shown; i.e., new construction, demolition (or disaster), and other losses (some other means). The 1981 data on new construction were obtained primarily from a sample of units selected from building permits. The 1970 *Components of Inventory Change* data were obtained from the 1970 census tabulations of the year-structure-built item; i.e., housing units built in 1960 or later were classified as added by new construction.

Data as of 1971 for mortgage status, real estate taxes last year, and selected monthly housing costs are presented in the 1970 Census of Housing, Volume V, *Residential Finance.* In volume V, the data are based on information collected for a sample of housing units in the Residential Finance Survey which was conducted in 1971 as part of the 1970 census. The 1971 report provided data on financing homeowner and rental properties, including characteristics of the mortgages, properties, and owners.

Differences in the concepts and definitions between the data in this report and volume V include the following. The basic unit of tabulation in this report is the housing unit; in volume V, it is the property. Data on mortgage in this report are based on the occupant's answer; in volume V, mortgage status was verified by the lender. In this report, real estate taxes and selected monthly housing costs reflect the total amount of real estate taxes and housing costs, excluding special assessments. In volume V, the tabulations for real estate taxes and selected monthly housing costs *include* special assessments.

**Comparability with 1980 Census of Housing data**—Most of the concepts and definitions are the same for items that appear in both the 1980 census and the 1981 Annual Housing Survey.

There are two significant differences, however, in the housing unit definition. First, in the 1981 survey, the housing unit definition requires a unit to be separate living quarters, having either direct access or complete kitchen facilities. For the 1980 census, the complete kitchen facilities alternative was dropped with direct access required of all units. Second, in the 1980 census, vacant mobile homes are included in the housing inventory provided they are intended for occupancy on the site where they stand. In the 1981 survey, all vacant mobile homes are excluded from the housing inventory.

There are several other major differences between the 1980 census and the 1981 survey. In the 1981 survey, living arrangements containing five or more persons, not related to the persons in charge, were classified as group quarters. In the 1980 census, the requirement was raised to nine or more persons not related to the person in charge.

Owner-occupied cooperatives were identified in the 1981 survey. These units were not identified separately in the 1980 census, but were included in the overall count of owner-occupied units. The 1980 census will provide data on vacant-for-rent and renter-occupied condominium units.

In addition, in the 1981 survey, complete plumbing facilities and telephone available needed only to be located in the structure in which the housing units is located. In the 1980 census, these items must be inside the specific-housing unit. Other definitional differences are discussed under the particular subject.

Additional differences between the 1981 survey data and the 1980 census data may be attributed to several factors. These include the extensive use of self-eunumeration in the census in contrast to direct interview in the Annual Housing Survey; differences in processing procedures; the estimation procedures and sample designs; the sampling variability of the estimates from the Annual Housing Survey; to a smaller extent, the sampling variability associated with the sample data from the census; the nonsampling errors associated with the Annual Housing Survey estimates; and the nonsampling errors associated with the census data.

**Comparability with 1970 and 1980 Censuses of Population data**—In the 1970 and 1980 censuses, data for years of school completed were based on responses to two questions: the highest grade or year of regular school each household member attended, and whether or not that grade or year was completed. In the 1981 survey, data for years of school completed were based on responses to a single question: the highest grade or year of regular school completed by the householder. Therefore, the 1981 survey may overstate the education level of the householder; that is, respondents may have reported the grade or year the householder was currently enrolled in or had last been enrolled in whether or not the grade or year was completed.

Other definitional differences, if any, are discussed under the particular subject.

**Comparability with other current reports**—This series of reports contains information similar to that contained in some of the other current Census Bureau reports, such as the Current Housing Report, *Housing Vacancies,* the Current Population Reports, and the Current Construction Reports, published by the Bureau of the Census. Because of procedural differences, care should be taken when comparing data from the Annual Housing Survey with data from other current surveys.

*Comparability with Housing Vacancy Survey*—Data on vacancy rates and characteristics of vacant units from the Housing Vacancy Survey are available for the United States by inside and outside standard metropolitan statistical areas. This nationwide survey, with a sample size of approximately 71,000 units (interviews obtained for approximately 60,000 occupied and vacant housing units), is conducted monthly by the Bureau of the Census in conjunction with its Current Population Survey. Data are published quarterly and annually in Current Housing Reports, Series H-111, *Housing Vacancies.*

The concepts and definitions used in the 1981 Annual Housing Survey and the Housing Vacancy Survey are the same. Differences may be attributed to factors such as sampling variability, nonsampling errors, survey techniques, and processing procedures.

*Current Population Reports from the Current Population Survey*—The Current Population Survey is a monthly sample survey of approximately 71,000 designated sample units. From the data collected in the Current Population Survey, the Bureau issues several publications under the general title Current Population Reports. Included are reports on household and family characteristics, mobility of the population, and income.

Although the concepts and definitions used in this report are essentially the same as those used in the Current Population Reports, and the intent of both the Annual Housing Survey and the Current Population Survey is the same, there is a major difference in the concept of "mover." In parts D and E, householders that moved into their units during the 12 months prior to the interview are classified as "recent movers." In the Current Population Survey, individuals whose current place of residence is different from that of March 1970 are classified as "movers."

There also may be significant differences in the data on income and years of school completed. The time period covering income data in this series of reports refers to the 12 months prior to the date of the interview, while the time period for income data in the Current Population Survey refers to the calendar year prior to the date of the interview. There are also significant differences in the way income questions are asked. For "years of school completed by householder," the difference cited in the section, "Comparability with 1970 and 1980 Censuses of Population data," also applies to the Current Population Survey.

Additional differences between the 1981 Annual Housing Survey and the Current Population Survey may be attributed to factors such as the sampling variability and nonsampling errors of the figures from the two surveys—survey procedures and techniques, and processing procedures.

*Current Population Reports from the Survey of Purchases and Ownership*—The 1974 Survey of Purchases and Ownership is a sample survey covering approximately 20,000 of the designated sample units in the 1974 Annual Housing Survey. Data were collected on ownership, availability, and recent purchases of automobiles and other vehicles, television sets, and selected major household appliances. Information on the price paid is obtained for recently purchased items. The data can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233.

Although the Survey of Purchases and Ownership was taken in conjunction with the Annual Housing Survey, there are differences in the concepts and definitions between the two. For example, the data on automobiles and other four-wheel vehicles, such as pickup trucks and passenger vans, collected in the Survey of Purchases and Ownership reflect the number of such vehicles that are owned or being bought by a member of the family. The data collected in the Annual Housing Survey

reflect the number of automobiles and trucks owned or regularly used by any member of the household, including nonrelatives. Additional differences may be attributed to such factors as estimation procedures, sampling variability, and nonsampling errors.

*Current Construction Reports from the Survey of Construction*—The Census Bureau issues several publications under the general title, "Current Construction Reports." The data for these reports are primarily from the Survey of Construction.

The Survey of Construction consists of approximately 16,000 permit-issuing places throughout the United States. The reports from the survey contain current data on housing starts and completions, construction authorized by building permits, housing units authorized for demolition in permit-issuing places, new one-unit structures sold and for sale, characteristics of new housing, and value of new construction put in place. The concepts and definitions used in this report differ from some of those used in the Survey of Construction. The major difference is that the Survey of Construction shows counts and characteristics of housing units in various stages of construction through completion. The Annual Housing Survey shows counts and characteristics of the existing housing inventory. Additional differences between the 1981 Annual Housing Survey and the Survey of Construction may be attributed to factors such as the sampling variability and nonsampling errors of the figures from the two surveys—survey procedures and techniques, and processing procedures.

## Living Quarters

Living quarters are classified as either housing units or group quarters. Usually, living quarters are in structures intended for residential use (e.g., a one-unit structure, apartment house, hotel or motel, boarding house, or mobile home or trailer). Living quarters may also be in structures intended for nonresidential use (e.g., the rooms in a warehouse where a watchman lives), as well as in places such as tents, caves, and old railroad cars.

**Housing units**—A housing unit is a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. Separate living quarters are those in which the occupants do not live and eat with any other persons in the structure and which have either (1) direct access from the outside of the building or through a common hall which is used or intended to be used by the occupants of another unit or by the general public or (2) complete kitchen facilities for the exclusive use of the occupants. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements (except as described in the section on group quarters). For vacant units, the criteria of separateness, direct access, and complete kitchen facilities for exclusive use are applied to the intended occupants whenever possible. If the information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are included in the housing inventory, except that mobile homes, trailers, tents, caves, boats, railroad cars, and the like, are included only if they are occupied.

**Group quarters**—Group quarters are living arrangements for institutional inmates or for other groups containing five or more persons not related to the person in change. Group quarters are located most frequently in institutions, boarding houses, military barracks, college dormitories, fraternity and sorority houses, hospitals, monasteries, convents, and ships. A house or apartment is considered group quarters if it is shared by the person in charge and five or more nonrelatives or, if there is no person in charge, by six or more unrelated persons. Information on the housing characteristics of group quarters was not collected.

**Mobile homes or trailers, hotels, rooming houses, etc.**—Mobile homes or trailers, tents, boats, or railroad cars are not considered housing units if vacant, used only for business, or used only for vacations.

Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; i.e., persons who consider the hotel as their usual place of residence or have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only if located in hotels, motels, and similar places in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from everyone else in the building and have either direct access or complete kitchen facilities for exclusive use, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain four or fewer roomers unrelated to the householder, they are classified as one housing unit; if the combined quarters contain five or more roomers unrelated to the householder or person in charge, they are classified as group quarters. In a dormitory, residence hall, or similar place, living quarters of the supervisory staff and other employees are separate housing units if they satisfy the housing unit criteria; other living quarters are considered group quarters.

**Institutions**—Living quarters of staff personnel are separate housing units if they satisfy the housing unit criteria. Other separate living quarters are considered group quarters.

**Year-round housing units**—Data on housing characteristics are limited to year-round housing units; i.e., all occupied units plus vacant units which are intended for year-round use. Vacant units intended for seasonal occupancy and vacant units held for migratory labor are excluded because it is difficult to obtain reliable information for them. However, this report does present counts of the total housing inventory which includes all vacant, seasonal, and migratory housing units.

The statistics in the 1974 through 1981 reports shown for "all year-round housing units" may not be comparable to the corresponding data shown in the 1973 reports, because the 1974 through 1981 tabulations included an estimation procedure

which adjusted the survey counts of "vacant year-round" and "vacant—seasonal and migratory" units separately to independent current estimates. (See section on "Estimation" in appendix B.) In 1973, "vacant—seasonal and migratory" units were combined with several categories of year-round vacancies (rented or sold, not occupied; held for occasional use; and other vacant) and adjusted to the combined total of the independent estimates for these categories. Thus, the 1974 through 1981 data for "vacant—seasonal and migratory" housing units and for "all year-round housing units" adhere more closely to the independently derived current estimates than they did in 1973. The 1974 through 1981 characteristics for "all occupied units," "owner occupied," and "renter occupied" are, however, comparable with the corresponding 1973 data.

## Changes in the Housing Inventory

**Housing units added by new construction**—A housing unit built in April 1970 or later is classified as a unit added by "new construction." Information was collected on vacant units under construction at the time of the interview only if construction had proceeded to the point that all exterior windows and doors were installed and final usable floors were on place. Housing units built during this period but removed from the housing inventory before the interview are not reflected in the new construction counts for the 1970 to 1981 period. In the Annual Housing Survey, data on new construction were obtained primarily from a sample of units selected from building permits; in the 1970 Census of Housing, Volume IV, *Components of Inventory Change,* new construction data were obtained from tabulations of the 1970 census sample records of units built 1960 or later.

**Housing units lost from the inventory**—Characteristics are presented for the total of all units removed from the 1973 housing inventory in 1973 or later through demolition or disaster and through other means. Separate counts of "demolition or disaster" losses and of "other losses" are shown in part A of this series. The 1974 through 1981 surveys cover all losses, including those in structures that were not completely lost.

**Housing units lost through demolition or disaster**—A housing unit which existed in October 1973 and was torn down on the initiative of a public agency or as a result of action on the part of the owner is classified as a unit lost through demolition. Units destroyed by fire, flood, or other natural causes are classified as units lost through disaster. In the 1973 survey, a housing unit was counted as a demolition or disaster loss when the whole structure in which it was located was lost from the inventory. In the 1974 through 1981 surveys and in the 1970 Census of Housing, Volume IV, *Components of Inventory Change,* the data on losses refer to all housing unit losses, including losses of units in structures which still contained one or more housing units. In addition, units lost through disaster were counted in 1970 as "units lost through other means."

**Housing units lost through other means**—Any housing unit which existed in October 1973 is counted as lost through other means when it was lost from the housing inventory through means other than demolition or disaster. This component includes the following types of losses:

1. Units lost by change to group quarters; for example, a housing unit that was occupied by a family in 1973 and by a family and five lodgers at the time of the 1981 survey.
2. Units lost from the inventory because they are vacant and either the roof, walls, doors, or windows no longer protect the interior from the elements or the unit is severely damaged by fire.
3. Vacant units lost from the inventory because there is positive evidence (sign, notice, mark on the house or block) that the units are scheduled for demolition or rehabilitation or that they are condemned for reasons of health or safety so that further occupancy is prohibited.
4. Units lost by change to entirely nonresidential use.
5. Units moved from site since October 1973. Such moves in the same area no not necessarily result in a net loss from the total inventory since they presumably represent units added in the place to which they were moved.

In the 1973 AHS, a housing unit was counted as lost through other means when the entire structure in which it was located was lost to the housing inventory through means other than demolition or disaster. In the 1974 through 1981 surveys, the data on losses refer to all housing unit losses including losses of units in structures which still contained one or more housing units.

**Unspecified housing units**—There are other components of change in the housing inventory for which the Annual Housing Survey provides no specific measures. The suvey procedures do not include a measure of conversions and mergers and units added from other sources such as nonresidential structures. The net effect of these omissions on the change in the total housing inventory is not known.

*Units changed by conversion*—Conversion refers to the creation of two or more housing units from fewer units through structural alteration or change in use. Structural alteration includes such changes as adding a room or installing partitions to form another housing unit. Change in use is a simple rearrangement in the use of space without structural alteration, such as locking a door which closes off one or more rooms to form a separate housing unit.

*Housing units changed by merger*—A merger is the result of combining two or more housing units into fewer units through structural alteration or change in use. Structural alteration includes such changes as the removal of partitions or dismantling of kitchen facilities. Change in use may result from a simple rearrangement of space without structural alteration, such as unlocking a door which formerly separated two housing units. A change in use also occurs, for example, when a family occupies both floors of a house which formerly contained a separate housing unit on each floor.

*Housing units added through other sources*—Any housing unit added to the inventory through sources other than new

construction or conversion is classified as a unit added through other sources. This component includes units created from living quarters previously classified as group quarters and units created from nonresidential space such as a store, garage, or barn. Also included are units moved from one site to another. Such units, if moved within the same area, do not necessarily result in a net addition to the total inventory since they presumably represent units lost in the place from which they were moved. A previously vacant mobile home or trailer, whether on a different site or the same site, is a net addition if currently occupied as a housing unit.

## Occupancy and Vacancy Characteristics

**Population in housing units**—Included are all persons living in housing units. Persons living in group quarters are excluded.

**Occupied housing units**—A housing unit is classified as occupied if a person or group of persons is living in it at the time of the interview or if the occupants are only temporarily absent; for example, on vacation. However, if the unit was occupied entirely by persons with a usual place of residence elsewhere, the unit is classified as vacant. By definition, the count of occupied housing units is the same as the count of households.

**Race**—The classification of "race" refers to the race of the householder occupying the housing unit. However, the concept of race as used by the Census Bureau does not denote clear-cut scientific definitions of biological stock. The interviewer was to report the race of the householder in three categories: White, Black (Negro), and other. The last category includes American Indian, Chinese, Eskimo, Japanese, Korean, and any other race except White and Black. Figures on tenure are given separately for White and Black householder; units with householders of other races are included in the total in table 1 of parts A and E and may be derived by subtracting the sum of White and Black from the total. More detailed characteristics of units with Black householder are presented in separate tables.

**Spanish origin**—The classification "Spanish origin" refers to the origin of the householder occupying the housing unit. Detailed characteristics of units with householder of Spanish origin are presented in separate tables. Spanish origin was determined on the basis of a question that asked for self-identification of a person's origin or descent. Respondents were asked to select their origins from a "flash card." Persons of Spanish origin were those who indicated that their origin was either Mexican American, Chicano, Mexican, Mexicano, Puerto Rican, Cuban, Central or South American, or other Spanish.

Care should be exercised in the interpretation of differences in the estimated counts of Spanish-origin households between the 1981 Annual Housing Survey, the 1970 census, 1980 census, and other current surveys. In the 1970 census and current surveys' reports, Spanish persons are identified according to various criteria: Birthplace, birthplace of parents, language, surname, and origin or descent. In addition, research indicates that 1970 estimates of Spanish-origin households may be significantly overstated in the South Region and North Central Region. In the 1980 census the categories are essentially the same as the 1981 survey, except the category "Central or South American" has been dropped.

**Tenure**—A housing unit is "owner occupied" if the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for. A cooperative or condominium unit is "owner occupied" only if the owner or co-owner lives in it. All other occupied units are classified as "renter occupied," including units rented for cash rent and those occupied without payment of cash rent.

**Site tenure**—Separate data are available on tenure of mobile home and trailer sites. Site tenure for owner-occupied mobile homes and trailers is restricted to mobile homes and trailers on less than 10 acres. The site is owned if the occupants own or are buying the site on which the mobile home is located. The site is considered rented if the occupants pay a rental fee for the use of the site, the site rent is paid by someone not living in the sample housing unit, or the occupants neither own nor pay cash rent for the site.

**Previous occupancy**—The classification of previous occupancy is divided into two categories, "previously occupied" and "not previously occupied." "Previously occupied" indicates that some person or persons *not* related to the householder by blood, marriage, or adoption occupied the sample housing unit prior to the householder's or other related household member's occupancy. "Not previously occupied" indicates that either the householder or some other current household member related to the householder by blood, marriage, or adoption was the *first* occupant of the sample unit.

**Cooperatives and condominiums**—A cooperative is a type of ownership whereby a group of housing units are owned by a corporation of member-owners. Each individual member is entitled to occupy an individual housing unit and is a shareholder in the corporation which owns the property.

A condominium is a type of ownership that enables a person to own an apartment or house in a project of similarly owned units. The owner has the deed and very likely the mortgage on the unit occupied. The owner may also hold common or joint ownership in some or all common areas such as grounds, hallways, entrances, elevators, etc.

Cooperative or condominium ownership may apply to various types of structures including single-family houses, rowhouses, townhouses, etc., as well as apartment buildings.

**Duration of occupancy**—Data on "duration of occupancy" are based on information for the householder; the data refer to the period when present occupancy began. Statistics are shown on whether the householder lived in the housing unit "less than 3 months" or "3 months or longer." A householder who "lived here last winter," must have moved into the unit prior to the previous February.

**Year householder moved into unit**—The data are based on the information reported for the householder and refer to the year

of latest move. Thus, if the householder moved back into a housing unit previously occupied, the year of the latest move was to be reported; if the householder moved from one apartment to another in the same building, the year the householder moved into the present housing unit was to be reported. The intent is to establish the year the present occupancy by the householder began. The year the householder moves is not necessarily the same year other members of the household move, although in the great majority of cases, the entire household moves at the same time.

Prior to 1980, data on year moved into unit was collected for the head of household. For an explanation, see the definition of householder on page App-18.

**Recent movers**—Households that moved into their present housing units within 12 months prior to the date of the interview are termed "recent movers." The household is classified by year moved into unit on the basis of information reported for the householder.

**Present and previous units of recent movers**—The present unit is the housing unit occupied by the recent mover householder at the time of the interview. The previous unit is the housing unit from which the householder moved. If the householder moved more than once during the 12 months prior to the date of the interview, the previous unit is the one from which the householder last moved.

**Same or different householder**—Characteristics of the present and previous units occupied by recent movers are largely restricted to households that were essentially the same in the two housing units. The definitions of the characteristics for the previous unit are generally the same as those for the present unit.

A household for which the householder in the present unit is the same person as the householder in the previous unit (identified in the tables as "same householder") is considered essentially the same even though there may have been some changes in the composition of the household. Conversely, a household in which there was no change except for a new householder was considered a household with "different householder."

Data for householders whose previous residence was outside the United States are tabulated in the category "different householder."

**Main reason for move from previous residence**—The statistics presented are restricted to housing units occupied by recent movers in which the present householder was also the householder at the previously occupied unit. The classification categories refer to the principal reason the householder moved into the present unit. The category "job related reasons" refers to reasons such as job transfer, to look for work, to take a new job, entered or left U.S. Armed Forces, retirement, commuting reasons, school attendance, and other job related reasons.

The category "family status" refers to reasons such as needed larger house or apartment, divorced or separated, widowed, to be closer to relatives, newly married, family increased in size, family decreased in size, to establish own household, schools, wanted neighborhood with children, wanted neighborhood without children and other family related reasons.

The category "housing needs" refers to reasons such as wanted to own residence, neighborhood overcrowded, change in racial or ethnic composition of neighborhood, wanted better neighborhood, wanted more expensive place or better investment, lower rent or less expensive house, wanted better house, displaced by urban renewal, highway construction, or other public activity, displaced by private action, wanted to rent residence, wanted residence with more conveniences, and occurrence of natural disaster.

The category "other reasons" includes crime, wanted change of climate and other reasons for moving which do not fall into any of the above classifications.

**Main reason for move into present residence or neighborhood**—The statistics presented are restricted to housing units occupied by recent movers in which the present householder was also the householder at the previously occupied unit. The classification categories refer to the principal reason the householder moved into the present unit. The category "job related reasons" refers to job transfer, to look for work, to take a new job, entered U.S. Armed Forces, retirement, commuting reasons, school attendance, and other job related reasons.

The category "family status" refets to reasons such as needed larger house or apartment, to be closer to relatives, wanted neighborhood with children, wanted neighborhood without children, and schools.

The category "housing needs" refers to reasons such as neighborhood less crowded, racial or ethnic composition of neighborhood, wanted better neighborhood, wanted more expensive place or better investment, residence with more conveniences, lower rent or less expensive house, and other housing needs.

The category "other reasons" includes low crime, change of climate, and other reasons for move into present neighborhood which do not fall into any of the above classifications.

**Home ownership**—Data are shown for householders who, during the 12 months prior to their interview, moved into the sample housing unit. These data are restricted to owner-occupied housing units and show the number of previously owned units which the householder occupied as his/her usual place of residence. Excluded from the count of previously owned units are vacation homes purchased for rental or commercial purposes.

**Vacant housing units**—A housing unit is vacant if no one is living in it at the time of the interview, unless its occupants are only temporarily absent. In addition, a vacant housing unit may be one which is occupied entirely by persons who have a usual residence elsewhere.

New housing units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if the roof, walls, windows, or doors no longer protect the interior from the

elements, if the unit is severly damaged by fire, or if there is positive evidence (such as a sign on the house or block) that the unit is to be demolished or is condemned. Also excluded are quarters being used entirely for nonresidential purposes, such as a store or an office; or quarters used for storing business supplies or inventory, machinery, or agricultural products.

The concepts and definitions of vacant housing units used in this report are the same as those used in the 1970 Census of Housing reports.

**Vacancy status**—Vacant housing units are classified as either "seasonal and migratory" or "year-round." "Seasonal" housing units are intended for occupancy during only certain seasons of the year. Included are housing units intended for recreational use, such as beach cottages and hunting cabins, and vacant units held for herders and loggers. "Migratory" units are vacant units held for occupancy by migratory labor employed in farm work during the crop season.

"Year-round" vacant housing units are available or intended for occupancy at any time of the year. A housing unit in a resort area which is usually occupied on a year-round basis is considered year-round. A housing unit used only occasionally throughout the year is also considered year-round. "Year-round" vacant units are subdivided as follows:

*For sale only*—Vacant year-round units "for sale only" also include vacant units in a cooperative or condominium building if the individual units are offered for sale only.

*For rent*—Vacant year-round units "for rent" also include vacant units offered either for rent or for sale.

*Rented or sold, not occupied*—If any money rent has been paid or agreed upon but the new renter has not moved in as of the date of the interview, or if the unit has recently been sold but the new owner has not yet moved in, the year-round vacant unit is classified as "rented or sold, not occupied."

*Held off market*—A housing unit which is neither for sale nor for rent, or rented or sold not occupied, is classified as held off market. Included are units held for occasional use, units temporarily occupied by persons with a usual residence elsewhere, and other vacants.

*Held for occasional use*—This category consists of vacant year-round units which are held for weekend or other occasional use throughout the year. The intent of this question is to identify homes reserved by their owners as second homes. Because of the difficulty of distinguishing between this category and seasonal vacancies, it is possible that some second homes are classified as "seasonal" and vice versa.

*Temporarily occupied by persons with usual residence elsewhere (URE)*—If all the persons in a housing unit usually live elsewhere, that unit is classified as vacant, provided the usual place of residence is held for the household and is not offered for rent or for sale. For example, a beach cottage occupied at the time of the interview by a family who has a usual place of residence in the city is included in the count of vacant units. If the house in the city was in the survey sample, the house would be reported "occupied" and would be included in the count of occupied units since the occupants are only temporarily absent.

*Other vacant*—If a vacant year-round unit does not fall into any of the classifications specified, it is classified as "other vacant." For example, this category includes units held for settlement of an estate, units held for occupancy by a caretaker or janitor, and units held for personal reasons of the owner. If separate distributions are not presented for "held for occasional use" or "temporarily occupied by URE" housing units, these categories are also included.

Characteristics of vacant housing are limited to year-round vacant units. Vacant units intended for seasonal occupancy and vacant units held for migratory labor are excluded because it is difficult to obtain reliable information for them. However, counts of seasonal units are given in parts A and E of this report series.

The 1974 through 1981 counts for "seasonal and migratory," "year-round, rented or sold not occupied," "year-round, held for occasional use," and "year-round, other vacant" may not be comparable to the corresponding counts shown in the 1973 reports, because a more detailed estimation procedure was used in the 1974 through 1981 tabulations. For 1974 through 1981, the estimation procedure adjusted the survey counts of "vacant year-round" and "vacant—seasonal and migratory" units separately to independent current estimates. (See section on "Estimation" in appendix B.) In 1973, "vacant—seasonal and migratory" units were combined with several categories of year-round vacancies (rented or sold not occupied; held for occasional use; and other vacant) and were adjusted to the combined total of the independent estimates for these categories. Thus, the 1974 through 1981 data for vacant units adhere more closely to the independent estimates than the 1973 data.

**Homeowner vacancy rate**—The 1981 homeowner vacancy rate is the number of year-round vacant units for sale as a percent of the total homeowner inventory; i.e., all owner-occupied housing units and year-round vacant housing units for sale or sold, not occupied. The homeowner vacancy rate for 1970 excludes vacant units sold but not occupied.

**Rental vacancy rate**—The 1981 rental vacancy rate is the number of year-round vacant units for rent as a percent of the total rental inventory; i.e., all renter-occupied housing units and all year-round vacant housing units for rent or rented, not occupied. The rental vacancy rate for 1970 excludes vacant units rented but not occupied.

**Duration of vacancy**—The statistics on duration of vacancy refer to the length of time (in months) from the date the last occupants moved from the housing unit to the date of the interview. The data, therefore, do not provide a direct measure of the total length of time units remain vacant. For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For

recently converted or merged units, the time is reported from the date conversion of merger was completed. Units occupied entirely by persons with usual place of residence elsewhere are excluded from the data.

**Housing unit boarded up**—Statistics for this item are only provided for vacant housing units. "Boarded up" refers to the covering of windows and doors by wood, metal, or similar materials to prevent entry into the housing unit. A one-unit structure or a given housing unit in a multiunit structure may be boarded up. This item was collected by interview observation.

## Utilization Characteristics

**Persons**—All persons occupying the housing unit are counted. These persons include not only occupants related to the householder but also any lodgers, roomers, boarders, partners, wards, foster children, and resident employees who share the living quarters of the householder. (Prior to 1980, head of household was used, see definition of householder on page App-18). The data on "persons" show categories of the number of one-person through seven-or-more-person households by the number of housing units.

A person is counted at the usual place of residence for that person. This refers to the place where the person lives and sleeps most of the time. This place is not necessarily the same as a legal residence, voting residence, or domicile.

**Rooms**—The statistics on "rooms" are for the number of housing units with specified number of rooms. Rooms counted include whole rooms used for living purposes, such as living rooms, dining rooms, bedrooms, kitchens, finished attic or basement rooms, recreation rooms, permanently enclosed porches that are suitable for year-round use, and lodger's rooms. Also included are rooms used for offices by a person living in the unit.

A partially divided room, such as a dinette next to a kitchen or living room, is a separate room only if there is a partition from floor to ceiling, but not if the partition consists only of shelves or cabinets.

Not included in the count of rooms are bathrooms, halls, foyers or vestibules, balconies, closets, alcoves, pantries, strip or pullman kitchens, laundry or furnace rooms, unfinished attics or basements, other unfinished space used for storage, open porches, trailers used only as bedrooms, and offices used only by persons not living in the unit.

If a room is used by occupants of more than one unit, the room is included with the unit from which it is most easily reached.

**Persons per room**—"Persons per room" is computed for each occupied housing unit by dividing the number of persons in the unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of housing units having the specified ratio of persons per room.

**Bedrooms**—The number of bedrooms in a housing unit is the count of rooms used mainly for sleeping, even if also used for other purposes. Rooms reserved for sleeping, such as guest rooms, even though used infrequently, are counted as bedrooms. On the other hand, rooms used mainly for other purposes, even though used also for sleeping, such as a living room with a hideaway bed, are not considered bedrooms. A housing unit consisting of only one room, such as a one-room efficiency apartment, is classified by definition as having no bedroom.

Data on bedrooms lacking privacy are shown for housing units with two or more bedrooms. Housing units have bedrooms lacking privacy when it is necessary to pass through a bedroom to get to another room, such as a den, and/or to get to the bathroom. The bathroom access criterion is applied only to units with one complete bathroom or one bathroom plus a half bath in which the half bath lacks a flush toilet.

## Structural Characteristics

**Conventional housing units**—Housing units not defined as mobile homes or trailers by this survey are classified as conventional.

**Complete kitchen facilities**—A unit has complete kitchen facilities when it has all three of the following for the exclusive use of the occupants of the unit: (1) An installed sink with piped water, (2) a range or cookstove, and (3) a mechanical refrigerator. All kitchen facilities must be located in the structure. They need not be in the same room. Quarters with only portable cooking equipment are not considered as having a range or cookstove. An icebox is not included as a mechanical refrigerator.

The kitchen facilities are for the exclusive use of the occupants when they are used only by the occupants of one housing unit, including lodgers or other unrelated persons living in the unit. When a structure consists of only one housing unit, all equipment located inside the structure is classified, by definition, for exclusive use.

For vacant units from which one or all of the kitchen facilities had been removed, the kitchen facilities used by the last occupant were to be reported.

**Basement**—Statistics on basements are based on the number of housing units located in structures with a basement. A structure has a basement if there is enclosed space in which persons can walk upright under all or part of the building.

**Year structure built**—"Year structure built" refers to when the building was first constructed, not when it was remodeled, added to, or converted. The figures refer to the number of housing units in structures built during the specified periods and in existence at the time of the interview. For mobile homes and trailers, the manufacturer's model year was assumed to be the year built. Statistics are based on the respondent's estimate and are, therefore, subject to the respondent's ability to properly classify the year built for the building.

**Units in structure**—In determining the number of housing units in a structure, all units, both occupied and vacant, were counted.

The statistics are presented for the number of housing units in structures of specified type and size, not by the number of residential structures.

A structure is a separate building if it has either open space on all sides or is separated from other structures by dividing walls that extend from ground to roof. Structures containing only one housing unit are further classified as detached or attached.

A one-unit structure is detached if it has open space on all four sides even though it has an adjoining shed or garage. A one-unit structure is attached if it has one or more walls extending from ground to roof which divide it from other adjoining structures, such as in rowhouses, townhouses, etc.

Mobile homes or trailers are shown as a separate category. When one or more rooms have been added to a mobile home or trailer, it is classified as a one-unit structure. If, however, only a porch or shed has been added, it is still counted as a mobile home or trailer.

**Elevator in structure**—Statistics on "elevator in structure" refer to the number of housing units in structures with four floors or more which have a passenger elevator. Housing units are "without elevator" in a structure of four floors or more if the structure has no passenger elevator or if the only elevator service is for freight.

**In group of 6 or more mobile homes**—Mobile homes or trailers that are gathered close together are considered to be in a "group." This may be a large mobile home park containing many units or it may be a small number grouped together on a single site or adjacent sites.

**Roof**—Housing units "with signs of water leakage" are those in which the roof shows signs of water having leaked in from the outside or where the roof leaks when it rains. "No signs of water leakage" means that the roof shows no signs of water having leaked in from the outside, or that the roof shows signs of water leakage but the problem causing the leakage has been corrected. If the signs of water leakage are caused by a problem inside the structure such as faulty plumbing, the unit was classified as having no signs of water leakage.

**Interior walls and ceilings**—Statistics are presented on whether or not there are open cracks or holes, broken plaster, or peeling paint on the interior ceilings or walls of a housing unit. Included are cracks or holes that do not go all the way through to the next room or to the outdoors. Hairline cracks or cracks that appear in the walls or ceilings but are not large enough for a fingernail file to be inserted and very small holes caused by nails or other similar objects are not considered to be open cracks or holes.

Broken plaster or peeling paint must be on the inside walls or ceilings, and at least one area of the broken plaster or peeling paint must be approximately one square foot or larger.

**Interior floors**—Data are shown on whether there are holes in the interior floors of a housing unit. The holes do not have to go through the floor. Excluded are very small holes caused by nails or other similar objects.

**Boarded-up buildings on same street**—Statistics on boarded-up buildings on the same street are based on the interviewer's observation from the main entrance of the building in which the sample unit is located. Buildings are classified as boarded up if they are abandoned, permanently vacant, and show severe signs of neglect; have most of their visible windows broken or missing; or have their windows and doors covered by wood, metal, or some other similar material to prevent entry.

**Overall opinion of structure**—The data presented are based on the respondent's overall opinion of the house or building as a place to live. The respondent was asked to rate the structure as excellent, good, fair, or poor.

**Common stairways**—The statistics on common stairways are presented for housing units in two-or-more-unit structures with common stairways. The figures for "loose steps" and "loose railings" reflect the physical condition of the stairway; i.e., whether there are loose, broken, or missing steps or stair railings. Common stairways are stairways which are usually used by the occupants of more than one housing unit or by the general public. They may be either inside the structure or attached to the outside of the building.

**Light fixtures in public halls**—These statistics are presented for housing units in structures of two-or-more-units with public halls which have light fixtures. Data include whether the light fixtures are in working order. Light fixtures include wall lights, ceiling lights, or table lamps in the public halls of the building. Public halls are used by the occupants of more than one housing unit or by the general public.

**Electric wiring**—A housing unit is classified as having exposed electric wiring if the unit has any wiring that is not enclosed, either in the walls or in metal coverings, or if the wiring is outside the walls but enclosed in some material other than metal. Extension cords and other types of wiring that extend from a wall outlet to an appliance or lamp are not considered as exposed wiring.

**Electric wall outlets**—A housing unit is classified as having electric wall outlets in each room if there is at least one working electric wall outlet or wall plug in each room of the unit. A working electric wall outlet or wall plug is one that is in operating condition; i.e., can be used when needed. If a room does not have an electric wall outlet, an extension cord used in place of a wall outlet is not considered to be an electric wall outlet.

**Electric fuses and circuit breakers**—These statistics are presented for occupied housing units which have had an electric circuit fuse blown or breaker switch tripped during the 3 months prior to the interview. The data are restricted to households whose householder has been at the present address for at least 90 days prior to the date of the interview. A blown fuse or tripped breaker switch results in the temporary loss of electricity until the fuse is replaced or the breaker switch reset. Blown fuses

inside certain appliances or equipment (such as some large air conditioners) are counted as "blown fuses or tripped breaker switches."

## Plumbing Characteristics

**Plumbing facilities**—The category "with all plumbing facilities" consists of housing units which have hot and cold piped water inside the structure as well as a flush toilet and a bathtub or shower inside the structure for the exclusive use of the occupants of the housing unit. All plumbing facilities must be located in the structure but they need not be in the same room. "Lacking some or all plumbing facilities" means that the housing unit does not have all three specified plumbing facilities (hot and cold piped water, flush toilet, and bathtub or shower) inside the structure, or that the toilet or bathing facilities are also for the use of the occupants of other housing units.

**Complete bathrooms**—A housing unit is classified as having a complete bathroom if it has a room with a flush toilet and bathtub or shower and a washbasin, as well as piped hot water in the structure for the exclusive use of the occupants of the unit. A half bathroom has either a flush toilet or a bathtub or shower for exclusive use, but does not have all the facilities for a complete bathroom.

The category "also used by another household" consists of housing units with bathroom facilities which are also for the use of the occupants of other housing units.

The category "none" consists of units with no bathroom facilities, units with only a half bathroom, and units with all bathroom facilities but not in one room.

**Source of water or water supply**—"A public system or private company" refers to a common source supplying running water to six or more housing units. The water may be supplied by a city, county, water district, or private water company, or it may be obtained from a well which supplies six or more housing units. If a well provides water for five or fewer housing units, it is classified as an "individual well." Water sources such as springs, creeks, rivers, cisterns, ponds, or lakes are included in the "other" category.

For housing units that had piped water inside the structure, respondents were asked to provide information on breakdowns or failures in the water supply.

The water may be available from sources such as a sink, washbasin, bathtub, or shower. A housing unit is classified as having "no piped water inside structure" if the unit has no piped water or if the only piped water available is outside the structure; for example, on an open porch or in another building. Data on breakdowns or failures of water supply are shown if the housing unit was occupied by the householder at least 90 days prior to interview and if the breakdown or failure lasted 6 consecutive hours or longer during the 90 days prior to the interview.

Breakdowns or failures in the water supply mean that the housing unit was completely without running water from its regular source. A housing unit was considered to be completely without running water if (1) the water system serving the unit supplied no water at all, (2) no water was available in the unit due to a breakdown or failure in the water supply inside the structure, or (3) the equipment and facilities (i.e., faucets in the kitchen and the bathroom sinks, faucet and shower in the bathtub, flush toilet, etc.) were all inoperable. If the faucet in the kitchen was broken, but the one in the bathtub was working, the unit was not classified as being completely without water.

Housing units with a breakdown or failure in the water supply are also classified according to the number of breakdowns or failures and to the most common source of the problem. "Problems inside the building" refer to such problems as broken pipes in the housing unit (or building) or turning the water off in the housing unit (or building) for maintenance and repairs.

"Problems outside the building" refer to such problems as power failures, breaks in the main water line, or shutdowns by the water company for maintenance and repairs.

**Sewage disposal**—A public sewer is connected to a city, county, sanitary district, neighborhood, or subdivision sewer system. It may be operated by a governmental body or private organization. A septic tank or cesspool is an underground tank or pit used for disposal of sewage. Small sewage treatment plants, which in some localities are called neighborhood septic tanks, are classified as public sewers. A chemical toilet uses chemicals to breakdown or dissolve sewage; a privy refers to an outhouse or other small shelter outside the unit which contains a toilet. Housing units for which sewage is disposed of in some other way are included in the "other" category.

The data on breakdowns or failures in the means of sewage disposal are limited to units in which the means of sewage disposal are a public sewer, septic tank, or cesspool. The breakdown or failure may have been the result of an overloaded sewage disposal system, lack of running water, a broken or cracked tank, etc. Data on breakdowns are shown if the housing unit was occupied by the householders at least 90 days prior to the interview and if the breakdown or failure lasted 6 consecutive hours or longer during the 90 days prior to the interview.

**Flush toilet**—The statistics on breakdowns or failures of flush toilet are limited to housing units that had all plumbing facilities with only one flush toilet; that is, one complete bathroom or one complete bathroom plus a half bath without flush toilet. The flush toilet may be completely unusable because of broken pipes, stopped up soil pipe, lack of water supplied to the flush toilet, or some other reason.

Housing units with breakdown or failure in flush toilet are classified by the number of breakdowns or failures and to the most common source of the problem. "Problems inside the building" refer to such breakdowns or failures as broken pipes in the unit (or building), a cracked or broken bowl, or faulty flushing mechanism. "Problems outside the building" refer to such breakdowns or failures as breaks in the main water or sewer line or shutdowns by the water company for maintenance or repairs.

Data on breakdowns or failures of flush toilet are shown if the housing unit was occupied by the householder at least 90

days prior to the interview, and if the breakdown or failure lasted 6 consecutive hours or more during the 90 days prior to the interview.

## Equipment, Fuels, and Services

**Telephone available**—A housing unit is classified as having a telephone if there is one available to the occupants of the unit for receiving calls. The telephone may be located outside or inside the housing unit, and one telephone may serve the occupants of several units. The number of housing units with a telephone available, therefore, does not indicate the number of telephones installed in homes.

**Heating equipment**—"Warm-air furnace" refers to a central system which provides warm air through ducts leading to various rooms. A "heat pump" refers to an electric heating-cooling system which utilizes indoor and outdoor coils, a refrigerant, and a compressor to provide heating in the winter and cooling in the summer. Only heat pumps that are centrally installed with ducts to the rooms are included in this category. "Steam or hot water" refers to a central heating system in which heat from steam or hot water is delivered through radiators or other outlets. "Built-in electric units" are permanently installed in floors, walls, ceilings, or baseboards. A "floor, wall, or pipeless furnace" delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed.

"Room heaters with flue" include circulating heaters, convectors, radiant gas heaters, and other nonportable heaters that burn gas, oil, kerosene, or other liquid fuels, and which are connected to a flue, vent, or chimney to remove smoke and fumes. "Room heaters without flue" include any room heater (not portable) that burns gas, oil, or kerosene and does not connect to a flue, vent, or chimney. "Fireplaces, stoves, or portable heaters" include room heaters that burn coal, coke, charcoal, wood, or other solids. It also includes portable room heaters that burn kerosene, gasoline, fuel oil, or other liquid fuel, as well as portable electric heaters that get current from an electrical wall outlet.

For vacant units from which the heating equipment had been removed, the equipment used by the last occupants was to be reported.

For breakdowns or failures of heating equipment, data are shown for housing units occupied by the householder during the winter prior to the interview if the equipment was unusable for 6 consecutive hours or longer during that time. To qualify as having lived here "last winter," the householder must have moved into the unit prior to February 1981.

Heating equipment is considered unusable if it cannot be used for the purposes intended; the breakdown or failure may be caused by broken pipes, electrical or gas parts out of order, or downed power lines.

**Insufficient heat**—The statistics presented refer to housing units in which the householder occupied the unit during the winter prior to the date of the interview. To qualify as having lived here "last winter," the householder must have moved into the unit prior to February 1981.

Separate data are shown for units with additional heat source, rooms which lacked specified heat source, and housing units with closed rooms. The term "specified heating equipment" includes warm-air furnace; steam or hot water system; built-in electric units; floor, wall, or pipeless furnace; and room heaters with flue. Excluded are room heaters without flue or vent, fireplaces, stoves, and portable heaters.

The data on additional heat source refer to units with "specified heating equipment" which *had* to use additional sources of heat to supplement the regular heating system because the regular system did not provide enough heat. Additional sources of heat such as kitchen stoves, fireplaces, or portable heaters, may have been used only in the mornings or on very cold evenings. Electric blankets, heating pads, or hot water bottles are not considered additional sources of heat.

"Rooms lacking specified heat source" include rooms lacking hot air ducts, registers, radiators, and room heaters. The intent of this item was to identify rooms in housing units with "specified heating equipment" which did not contain the means of conveying the heat to the room. The kitchen was not considered to be a room for this item.

In addition, data are shown for rooms which were closed because they could not be kept warm. The rooms must have been closed for 7 consecutive days or longer during the previous winter, and the unit must have "heating equipment." For this item also, the kitchen was not considered a room.

Separate data are also shown for housing units with rooms which were so cold for 24 hours or more that it caused discomfort to the occupants. Housing units with specified heating equipment were excluded from this item. The purpose of this item was to determine if the absence of the more sophisticated types of heating equipment caused discomfort to the occupants of the unit.

**Air conditioning**—Air conditioning is defined as the cooling of air by a refrigeration unit; excluded are evaporative coolers, fans, or blowers which are not connected to a refrigeration unit. A room unit is an individual air conditioner which is installed in a window or an outside wall and is generally intended to cool one room, although it may sometimes be used to cool several rooms. A central system is a central installation which air-conditions the entire housing unit. In an apartment building, a central system may cool all apartments in the building; each apartment may have its own central system; or there may be several systems, each providing central air conditioning for a group of apartments. A central installation with individual room controls is a central air-conditioning system.

**Cars and trucks available**—Statistics on "cars and trucks available" represent the number of passenger cars, station wagons, vans, pickups, and small panel trucks of one-ton capacity or less, which are owned or regularly used by any member of the household and which are ordinarily kept at home. The figures include leased automobiles, taxicabs, and company-owned automobiles kept at home. Police cars or larger trucks

were not to be counted. In the 1973 Annual Housing Survey, taxicabs kept at home were not included in the count of "automobiles available." Trucks used for business purposes were included only if also used for personal activities of household members.

The statistics do not reflect the number of privately owned cars and trucks or the number of households owning such vehicles.

**House heating fuel**—"Utility gas" is gas piped through underground pipes from a central system to serve the neighborhood. "Bottled, tank, or LP gas" is pressurized gas stored in tanks or bottles which are refilled or exchanged when empty. "Fuel oil" is heating oil normally supplied by truck to a storage tank for use by the heating system. "Kerosene, etc." includes kerosene, gasoline, alcohol, and other similar combustible liquids. "Electricity" is generally supplied by means of above or underground electric power lines. "Coal or coke" refers to coal or any coal derivative usually delivered by means of truck. "Wood" refers to the use of wood or wood charcoal, etc., as a fuel. "Solar heat" refers to the use of energy available from sunlight as a heating fuel source.

## Services and Neighborhood Conditions

**Extermination service**—The statistics on extermination service refer to households that have been at their present address for at least 3 months prior to the date of the interview and who reported that they had seen mice or rats or signs or traces of their presence *inside* the house or building during the last 3 months. Signs of mice and rats or traces of their presence include droppings, holes in the wall, or ripped or torn food containers. "Regular extermination service" refers to periodic visits by a licensed company or individual who uses chemicals and sprays to control or kill pests and rodents. The regular service interval may be once a month, four times a year, or any other such interval. "Irregular extermination service" includes visits by an exterminator who is called ony when needed by the household or building manager, or where it is known that a building is serviced but it is not known whether the service is regular or irregular. "No extermination service" includes units in a house or building that has not been serviced during the 12 months prior to the interview and where it is not known if there is any extermination service.

**Overall opinion of neighborhood**—The data presented are based on the respondent's overall opinion of the neighborhood. The respondent was asked to rate the street or neighborhood as excellent, good, fair, or poor.

**Neighborhood conditions and neighborhood services**—The statistics presented are based on the respondent's opinion and attitude toward the neighborhood in which he lives. Thus, the respondent's answer may or may not reflect the actual description of the neighborhood. Furthermore, the respondent may not have the same opinion as his neighbor about the neighborhood services; for example, the respondent may feel that the street lighting or neighborhood shopping facilities are inadequate while his neighbor may not.

*Neighborhood conditions, and neighborhood conditions and wish to move*—Data on neighborhood conditions are based on the respondent's answers to a three-part question concerning specific neighborhood conditions. The respondent was asked (1) if the condition was present, (2) if the condition was bothersome, and (3) if the condition was so objectionable that he would like to move from the neighborhood.

1. Street noise—Street noise refers to noise made by children playing outdoors, noise from a factory or business, or any other sounds that the respondent considers street noise.

2. Streets need repair—The data are based on the respondent's opinion that the streets, either paved or unpaved, are continually in need of repair or are bordered by open ditches used for water or sewage drainage.

3. Neighborhood crime—This category refers to all forms of street and neighborhood crime such as petty theft, assaults against the person, burglary, etc., or any related activities that the respondent judges to be a crime.

4. Trash, litter—Included are all types of trash, debris, or junk such as paper, cans, or abandoned cars in the street, on empty lots, or on properties on the street which the respondent considers as litter.

5. Boarded-up or abandoned buildings—This category refers to both single and multiunit buildings which the respondent reported to be abandoned or boarded up. Included in this category are remains of previous buildings.

6. Commercial or industrial—This category refers to commercial, industrial, or other activities, including both large and small industries as well as businesses and stores, that the respondent considers to be nonresidential.

7. Odors—This category refers to the respondent's opinion concerning fumes, smoke, or gas coming from cars, trucks, nearby industries, factories, businesses, etc.

*Neighborhood services*—Data on neighborhood services are based on the respondent's answer to a series of questions concerning neighborhood services. Police protection, outdoor recreation facilities, and hospitals or health clinics were covered by a two-part question in which the respondent was asked (1) if a particular neighborhood service was satisfactory and (2) if the condition was so unsatisfactory that the respondent would like to move from the neighborhood.

1. Police protection—This category refers to the respondent's opinion about the presence, quality, quantity, and response time of services that should be provided by the police.

2. Outdoor recreation facilities, such as parks, playgrounds, or swiming pools—This category refers to the respondent's assessment of neighborhood outdoor recreation facilities.

3. Hospitals and health clinics—This category refers to the quality and proximity of health facilities, etc., serving the local community in the opinion of the respondent.

The respondent was also asked a three-part question on public transportation: (1) if service is available, (2) if service is satisfactory, and (3) if any member of the household used the service at least once a week.

Data were also collected on satisfaction with neighborhood shopping such as grocery stores and drug stores, and whether or not these stores are located within 1 mile of the neighborhood.

Respondents were asked a three-part question on public elementary schools: (1) if children within the household attended public elementary school or private elementary school, (2) if the public elementary school is satisfactory, and (3) if the public elementary school is within 1 mile of the neighborhood.

*Overall opinion of neighborhood*—The data presented are based on the respondent's overall opinion of the neighborhood according to conditions and neighborhood services available (described in preceding paragraphs). The respondent was asked to rate the neighborhood as excellent, good, fair, or poor.

## Financial Characteristics

**Value**—Value is the respondent's estimate of how much the property (house and lot) would sell for if it were for sale. The statistics on value are shown only for one-unit structures on less than 10 acres having no commercial establishment or medical or dental office on the property. Owner-occupied cooperatives, condominiums, mobile homes, and trailers are excluded from the value tabulations.

**Value-income ratio**—The value-income ratio is computed by dividing the value of the housing unit by the total money income of the family or primary individual. The data are presented for the same owner-occupied units for which "value" was tabulated (see "Value" for exclusions). The ratio was computed separately for each unit and was rounded to the nearest tenth. In reporting value, respondents were asked to select an appropriate class interval. The midpoints of the value intervals were used in the computation of the value-income ratio, except that a mean of $3,500 was assigned for values less than $5,000 and a mean of $325,000 was assigned for values of $300,000 or more. For income, the dollar amounts were used. Housing units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

The 1981 income statistics are for the 12 months prior to the date of the interview. For 1970, the income statistics cover the calendar year 1969.

**Sales price asked**—For vacant housing units, the sales price is the amount asked for the property at the time of the interview and may differ from the price at which the property is sold. The statistics on sales price asked are shown only for vacant for sale one-unit structures on less than 10 acres having no commercial establishment or medical or dental office on the property.

**Garage or carport on property**—The garage or carport must be currently available for use by the occupants of the housing unit, i.e., members of the household can use it for parking even if it is currently used as a storage area for items such as lawn equipment or furniture. It may be attached to the house or it may be completely unattached, but is must be on the property. Excluded are garages or carports that have been converted to other uses such as living quarters, an area used for business purposes, rented to someone else, or for some reason cannot be used for parking.

**Mortgage**—The data are restricted to owner-occupied, one-unit structures on less than 10 acres having no commercial establishment or medical or dental office on the property. The data exclude owner-occupied cooperative and condominium units. A mortgage refers to all forms of debt where the property is pledged as security for payment of the debt. It includes such debt instruments as deeds of trust, trust deeds, mortgage bonds, and vendor liens. In the first three arrangements, usually a third party known as the trustee, holds the title to the property until the debt is paid. In the vendor lien arrangement, the title is kept by the buyer but the seller (vendor) reserves, in deed to the buyer, a lien on the property to secure payment of the balance of the purchase price. Also included as a mortgage are contracts to purchase, land contract, and lease-purchase agreements where the title to the property remains with the seller until the agreed upon payments have been made by the buyer.

Housing units which are owned free and clear comprise the category "units with no mortgage." Also included in this category are housing units in which the owner has no mortgage but pays a "ground rent"; that is, the occupant owns the unit but leases, rents, or pays a fee for the use of the land.

**Major source of downpayment**—This item refers to the source of the capital used to purchase the property (house or lot) or condominium unit. It includes capital used for outright purchases. The categories include sale of previous home, savings, borrowing other than mortgage on property, gift, land on which structure was built, and other sources.

**Installment loan or contract**—The data are limited to owner-occupied mobile homes and trailers on less than 10 acres. Mobile homes and trailers where payments are being made towards their purchase comprise the category, "with installment loan or contract."

**Mortgage insurance**—The data are restricted to owner-occupied housing units with a mortgage. In addition, the units must be one-unit structures on less than 10 acres without a commercial establishment or medical or dental office on the property. Owner-occupied cooperatives, condominiums, mobile homes and trailers are excluded from the tabulations on mortgage insurance.

Mortgage insurance is financial protection provided to the lender in case the borrower fails to keep up the required mortgage payments and defaults on the loan. Such insurance protection is offered by both the Government, acting as an insurance agent, and by private mortgage insurance companies. The Federal government agencies that currently insure or guarantee mortgages include the Federal Housing Administration (FHA), the Veterans' Administration (VA), and the Farmers Home Administration. Mortgages or loans that are not insured or guaranteed by FHA, VA, or the Farmers Home Administration are referred to as "conventional" mortgages. Mortgage debts insured or guaranteed by State or local government agencies are not included in the category "insured by FHS, VA, or Farmers Home Administration."

The Federal Housing Administration insures loans on homes. The Veterans' Administration guarantees or insures loans under the Serviceman's Readjustment Act (G. I. Bill). The Farmers Home Administration provides much the same service as FHA, but confines its assistance to rural areas.

Private mortgage insurance companies provide insurance protection to lenders so that borrowers may obtain conventional loans with higher loan-to-value ratios than noninsured loans. Downpayment and monthly payments are often less than for noninsured loans but terms are generally longer and the borrower pays an insurance premium as part of the monthly mortgage payment. The data on private mortgage insurance is not separable from data on other conventional loans and is therefore included in the category "not insured or insured by private mortgage insurance."

**Monthly mortgage payment**—The data are limited to owner-occupied, one-unit structures on less than 10 acres having no commercial establishment or medical or dental office on the property. The data present the monthly dollar amount paid for the mortgage, principal and interest only. Real estate taxes and fire and hazard insurance costs are excluded from the data even if they are included in the regular payment to the lender.

**Real estate taxes last year**—The data are restricted to owner-occupied, one-unit structures on less than 10 acres having no commercial establishment or medical or dental office on the property. The data exclude owner-occupied cooperatives, condominiums, mobile homes, and trailers. "Real estate taxes last year" refers to the yearly total amout of all real estate taxes payable on the entire property during the last billing period. It includes State and local real estate taxes. Not included are payments on delinquent taxes due from prior years or payments for special assessments, facilities, or services. When the real estate taxes are included with the mortgage, a separate amount for the taxes is obtained.

In part C, the mean real estate taxes for last year per $1,000 value of the property (house and lot) are presented. Housing units for which no taxes are paid are excluded from the computation of the mean.

**Property insurance**—This refers to fire and hazard insurance; that is, policies which protect the unit and its contents against loss due to damage by fire, lightning, wind, hail, explosion, etc. Homeowners' policies are also included since this type of insurance has fire and hazard insurance together with other types of homeowner protection such as liability. If the cost of the insurance was included as part of the mortgage payments, a separate amount for the insurance was obtained. The amount of the insurance premium reported was the amount paid for an entire 12-month period even if made in two or more installments. Property insurance is shown only as a component of "selected monthly housing costs" and "selected monthly housing costs as percentage of income." The data are presented separately for owner-occupied, one-unit structures on less than 10 acres with no commercial establishment or medical or dental office on the property and for owner-occupied mobile homes or trailers on less than 10 acres. The data exclude owner-occupied cooperative and condominium units.

**Selected monthly housing costs**—The data are presented separately for owner-occupied, one-unit structures on less than 10 acres having no commercial establishment or medical or dental offices on the property and for owner-occupied mobile homes or trailers on less than 10 acres. The data exclude owner-occupied cooperatives and condominium units. Separate distributions are shown by whether or not there is a mortgage or, for mobile homes or trailers, by whether or not there is an installment loan or contract. Selected monthly housing costs is the monthly sum of payments for the mortgage, or installment loan contract, real estate taxes (including taxes on mobile home or trailer site if the site is owned), property insurance, utilities (electricity, gas, water, and sewage disposal), fuels, (oil, coal, kerosene, wood, etc.), and garbage collection.

Households with a mortgage or similar debt that failed to report the amount of their payment and/or those households that did not report their real estate taxes are included in the "not reported" category. Likewise, for mobile homes or trailers, households that had an installment loan or contract but did not report their loan payment and/or their taxes are also included in the "not reported" category.

**Selected monthly housing costs as percentage of income**—The yearly housing costs (selected monthly housing costs multiplied by 12) are expressed as a percentage of the total income of the family or primary individual. This percentage is presented for the same owner-occupied units for which "selected monthly housing costs" were tabulated (for exclusions, see "Selected monthly housing costs"). The percentage was computed separately for each unit and was rounded to the nearest tenth of a percent. For income and "selected monthly housing costs," the dollar amounts were used. Housing units occupied by families or primary individuals who reported no income or a net loss comprise the category "not computed."

Households that did not report the amount of, or did not pay mortgage or similar debt and/or real estate taxes were included in the "not reported" category.

**Purchase price of mobile home**—This item refers to owner-occupied mobile homes and trailers on less than 10 acres. The

purchase price is the total cost of the mobile home or trailer at the time of purchase including the downpayment but excluding site costs or closing costs. The "not purchased" category refers to mobile homes or trailers that were not purchased by any occupant of the unit; e.g., if the unit was acquired as a gift.

**Year mobile home acquired**—This item pertains to owner-occupied mobile homes or trailers on less than 10 acres. "Year acquired" is the calendar year that the current owner took possession of the mobile home or trailer, not the year the mobile home or trailer was manufactured. "Acquired" includes purchase as well as other forms of taking possession such as inheritance, gift, trade, and foreclosure.

**Mobile home acquired new**—The data pertain to owner-occupied mobile homes or trailers on less than 10 acres. "Acquired new" means that no other person or family lived in the mobile home or used it for a business, etc., before the present owner acquired it.

**Contract rent**—Contract rent is the monthly rent agreed to, or contracted for, even if the furnishing, utilities, or services are included. The statistics on rent exclude one-unit structures on 10 acres or more. Rent data for mobile homes and trailers are not restricted by acreage. Rented units occupied without payment of cash rent are shown separately as "no cash rent" in the rent tabulations.

**Gross rent**—The computed rent, termed "gross rent," is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, water) and fuels (oil, coal, kerosene, wood, etc.) If these items are paid for by the renter (or paid by someone else, such as relative, welfare agency, or friend) in addition to rent. Contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishing, utilities, or services that may be included. Thus, gross rent is intended to eliminate differentials which result from varying methods of including utilities and fuels as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis, but they are converted to monthly figures in the computation process.

The statistics on rent exclude one-unit structures on 10 acres or more. Rent data for mobile homes or trailers are not restricted by acreage. Rental housing units occupied without payment of cash rent are shown separately as "no cash rent" in the rent tabulations.

**Gross rent in nonsubsidized housing**—The gross rent for nonsubsidized housing units excludes units reported in public housing projects, units with Federal, State, or local government rent subsidies, as well as one-unit structures on 10 acres or more. In this report, data on nonsubsidized units are not based on government or local records; the data are, therefore, subject to the ability of a respondent to properly classify the unit as subsidized or nonsubsidized housing.

**Gross rent as percentage of income**—The yearly gross rent (monthly gross rent multiplied by 12) is expressed as a percentage of the total income of the family or primary individual. The percentage is presented for the same renter-occupied units for which gross rent is tabulated; thus, the statistics on gross rent as percentage of income reflect the exclusion of certain renter-occupied housing units. The percentage is computed separately for each unit and is rounded to the nearest whole number. For gross rent and income, the dollar amounts are used in the computation. Housing units for which no cash rent is paid and units occupied by families or primary individuals who report no income or a net loss comprise the category "not computed."

The 1981 income statistics are for the 12 months prior to the date of the interview. For 1970, the income statistics cover the calendar year 1969.

**Gross rent in nonsubsidized housing as percentage of income**—This item is computed in the same manner as "gross rent as percentage of income" except that rents and incomes for public and subsidized housing units are excluded. Data on nonsubsidized units in this report are not based on government or local records; they are, therefore, subject to the ability of a respondent to properly classify the unit as subsidized or nonsubsidized housing.

**Inclusion in rent (garbage collection)**—Counts are shown separately for housing units in which garbage collection is included in the rent. The data are restricted to renter-occupied units for which cash rent is paid and exclude one-unit structures on 10 acres or more.

Included are housing units which have garbage collection service available in connection with the building. The service may be public or private and must be available without additional cost to the renter. If the garbage (food waste) is collected by one company and the trash (paper, cans, etc.) by another, the data refer to the garbage collection service.

**Rent asked**—For vacant housing units, the rent is the amount asked for the housing unit at the time of the interview and may differ from the rent contracted for when the unit was occupied. The data are for vacant, year-round housing units for rent, excluding one-unit structures on 10 acres or more. The median rent asked is shown separately for units in which the rent includes payment for utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.). Median rent asked is also shown for housing units in which the rent includes payment for utilities and fuels, as well as garbage collection service.

**Public, private, or subsidized housing**—A housing unit is classified as being in a "public housing project" if the structure in which the unit is located is owned by a local housing authority or other public agency, such as a housing and redevelopment authority or a housing development agency, and operated as public housing. These organizations may receive subsidies from the Federal or State government but the local agency owns the property. All other housing units are classified as "private housing."

Private housing units are further classified by whether the unit is subsidized; that is, the respondent pays a lower rent because a Federal, State, or local government program pays part

of the cost of construction, building mortgage, or operating expenses. These programs include (1) the interest subsidy programs of the Department of Housing and Urban Development (HUD) for rental and cooperative housing for moderate-income families, (2) the rent supplement program where part of the rent for low-income families occupying certain types of rental housing projects is paid by HUD, and (3) the direct loan program of HUD for housing the elderly.

The statistics on public or subsidized housing exclude one-unit structures on 10 acres or more. In addition, the data are not based on government or local records; the figures are, therefore, subject to the ability of a respondent to properly classify the unit as public or private and, if private, as subsidized or nonsubsidized housing.

## Household Characteristics

**Household**—A household consists of all the persons who occupy a housing unit. By definition, the count of households is the same as the count of occupied housing units.

**Householder**—The householder is the first household member 18 years old or over who is the owner or renter of the sample unit. If no household member occupying the sample unit owns or rents the unit, the householder is the first household member listed who is 18 years old or older. In all the previous AHS reports (1973 to 1979) the concept "head" of household was used. One person in each household was designated as the head, that is the person who was regarded as the head by the respondent. However, if a married woman living with her husband was reported as the head, her husband was considered the head for the purpose of simplifying the tabulations.

**Household composition by age of householder**—Statistics by age of householder are presented separately for two-or-more-person households and for one-person households. Households having two or more persons are further subdivided as follows:

*Married couple families, no nonrelatives*—Each household in this group consists of the householder and spouse, and other persons, if any, all of whom are related to the householder.

*Other male householder*—This category includes households with male householders who are married, but with wife absent because of separation or other reason where husband and wife maintain separate residences; and male householders who are widowed, divorced, or single. Also included are households with male householder, wife present and nonrelatives living with them.

*Other female householder*—This category includes households with female householders who are married, but with husband absent because of separation or other reason where husband and wife maintain separate residences; and female householders who are widowed, divorced, or single. Also included are households with female householder, husband present and nonrelative living with them.

Households consisting of only one person are shown separately for male householder and female householder under the category "one-person households."

**Family or primary individual**—Housing units are occupied by either "families" or "primary individuals." The term "family" refers to the householder and all (one or more) other persons living in the same household who are related to the householder by blood, marriage, or adoption. If the householder lives alone or with nonrelatives only, then the householder is considered a "primary individual."

Married couples related to the householder of a family are included in the family and are not considered as separate families. A lodger, servant, or other person unrelated to the householder is considered a member of the household but not of the family.

In the statistics on household composition, families are always included in one of the three major groups of two-or-more-person households. Primary individuals with nonrelatives living with them are tabulated as other male or female householder. Primary individuals living alone are always tabulated as one-person households.

**Subfamily**—A subfamily is a married couple with or without children, or one parent with one or more own single (never married) children under 18 years old, living in a household and related to, but not including the householder or spouse. The most common example of a subfamily is a young married couple sharing the home of the husband's or wife's parents.

**Age of householder**—The age classification refers to the age reported for the householder as of that person's last birthday.

**Persons 65 years old and over**—All persons, including the householder, who are members of the household and are 65 years old and over, are included in the count of persons 65 years old and over.

**Own children under 18 years old**—Statistics on presence of "own" children of householder, are shown in this report. A child under 18 years old is defined as an "own" child if he or she is a single (never married) son, daughter, stepchild, or adopted child of a householder. Own children of subfamilies are excluded from the total count of own children.

**Other relative of householder**—This category includes all persons related to the householder by blood, marriage, or adoption except wife, husband, or child of householder and members of subfamilies.

**Nonrelative**—A nonrelative of the householder is any person in the household who is not related to the householder by blood, marriage, or adoption. Roomers, boarders, lodgers, partners, resident employees, wards, and foster children are included in this category.

**Years of school completed by householder**—The statistics refer to the highest grade of regular school completed and not to the highest grade attended. For persons still attending school, the highest grade completed is one less than the one in which they are currently enrolled. Regular school refers to formal education obtained in graded public, private, or parochial schools, colleges,

universities, or professional schools, whether day or night school, and whether attendance was full or part time. That is, "regular schooling" is formal education which may advance a person toward an elementary or high school diploma, college, university, or professional school degree. Schooling or tutoring in other than regular schools is counted only if the credits obtained are regarded as transferable to a school in the regular school system. Householders whose highest grade completed in a foreign school system or in an ungraded school, were instructed to report the approximate equivalent grade (or years) in the regular United States school system. They were not reported as having completed a given grade if they dropped out or failed to pass the last grade attended. Education received in vocational schools, trade schools, business schools, and noncredit adult education classes is not counted as regular schooling.

**Means of transportation and distance and travel time to work**—The statistics are restricted to householders who had a job the week prior to the interview.. A job is defined as a definite arrangement for regular part-time or full-time work for pay every week or every month. Householders who do not report to the same place of work every day comprise the "no fixed place of work" category.

*Householder's principal means of transportation to work*—If different means of tranportation are used on different days, the means used most often is recorded. If more than one means of transportation is used each day, the means covering the greatest distance is recorded. A "carpool" is where one or more persons regularly ride in the car with the householder; the householder may share driving, drive others, or ride with someone else. The category "mass transportation" includes railroad, subway, elevated transportation system, bus, and streetcar.

*Distance from home to work*—The statistics refer to the one-way distance the householder travels from home to work.

*Travel time from home to work*—The data refer to the average time it takes the householder to travel one-way from home to work.

**Income**—The statistics on income in the Annual Housing Survey are based on the respondent's reply to questions on income for the 12 months prior to the interview and are the sum of the amounts reported for wage and salary income, net self-employment income, Social Security or railroad retirement income, public assistance or welfare payments, and all other money income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, union dues, bond purchases, health insurance premiums, Medicare deductions, etc.

In this report, the statistics related to the money income of the family or primary individual occupying the housing unit; i.e., the sum of the income of the householder and all other members of the family 15 years old and over, or the income of the primary individual. Incomes of persons living in the unit but not related to the householder are not included in this sum.

Wage or salary income is defined as the total money earnings received for work performed as an employee at any time during the 12-month period prior to the interview. It includes wages, salaries, piece-rate payments, commissions, tips, cash bonuses, and Armed Forces pay. Net self-employment income is defined as net money income (gross receipts minus operating expenses) received from a business, professional practice, partnership, or farm in which the person was self-employed.

Social Security or railroad retirement income includes cash receipts of Social Security pensions; survivors' benefits; disability insurance programs for retired persons, dependents of deceased insured workers, or disabled workers; and deductions for Medicare and health insurance premiums. Cash receipt of retirement, disability, and survivors' benefit payments made by the U.S. Government under the Railroad Retirement Act are also included. Separate payments received for hospital or other medical care are not included.

Income from all other sources includes money income received from sources such as periodic payments from estates and trust funds; dividends; interest; net rental income (or loss) from property rentals; net receipts from roomers or boarders; net royalties; public assitance or welfare payments which include cash receipts received from public assistance programs, such as old age assistance, aid to families with dependent children, and aid to the blind or totally disabled, unemployment insurance benefits; money received for transportation and/or subsistence by persons participating in special governmental training programs, such as the Area Redevelopment Act and the Manpower Development and Training Act; workmen's compensation cash benefits; periodic payments by the Veterans' Administration to disabled members of the Armed Forces or to survivors of deceased veterans; public or private pensions; periodic receipts from insurance policies or annuities; alimony or child support from persons who are not members of the household; net gambling gains; and nonservice scholarships and fellowships.

Receipts from the following sources were not included as income: Value of income "in kind," such as free living quarters, housing subsidies, food stamps, or food produced and consumed in the home; money received from the sale of property (unless the recipient was engaged in the business of selling such property); money borrowed; tax refund; withdrawal of bank deposits; accrued interest on "uncashed" savings bonds; exchange of money between relatives living in the same household; and gifts and lump-sum insurance payments, inheritances, and other types of lump-sum receipts.

The income statistics and the characteristics of the household refer to different periods in time. For 1981, the income data refer to the 12 months prior to the interview, and the household characteristics refer to the date of the interview. For 1970, income data refer to the calendar year 1969, whereas the household characteristics refer to April 1, 1970. Thus, family income does not include amounts received by persons who were members of the family during all or part of the income period if these persons no longer resided with the family at the time of the interview. On the other hand, family income includes amounts reported by related persons who did not reside with

the family during the entire income period but who were members of the family at the time of interview. For most families, however, the income reported was received by persons who were members of the family throughout the income period.

There may be significant differences in the income data between the Annual Housing Survey and other Bureau of the Census' surveys and censuses. For example, the time period for income data in the Annual Housing Survey refers to the 12 months prior to the interview while other income data generally refer to the calendar year prior to the date of the interview. Additional differences in the income data may be attributed to the various ways income questions are asked, the sampling variability and nonsampling errors between the Annual Housing Survey and other Bureau surveys and censuses, survey procedures and techniques, and processing procedures.

# Facsimile of the Annual Housing Survey Questionnaire: 1981

O.M.B. No. 2528-0017; Approval Expires March 31, 1983

1. Control number (cc 1) — PSU | Segment | Serial

2. Sample (cc 4) (Circle one) — F 1 or F 2

Office use only (Ck. Dg.)

NOTICE – All information which would permit identification of the individual will be held in strict confidence by law, under U.S. Code, title 13, section 9a. It may be seen only by sworn Census employees and may be used only for statistical purposes.

FORM AHS-2 (2-8-81)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
ACTING AS COLLECTING AGENT FOR
DEPARTMENT OF HOUSING AND
URBAN DEVELOPMENT

## ANNUAL HOUSING SURVEY

NATIONAL SAMPLE – 1981

3. Household No. (cc 2)

4. Type of segment (cc 3)
1 ☐ Area
2 ☐ Address
3 ☐ Permit
4 ☐ Special place
5 ☐ Cen-Sup

5a. Interviewer name

b. Code

c. Date of first visit — Month | Day | Year

d. Date interview completed — Month | Day | Year

e. Line No. of HH respondent (cc 10)

6. LAND USE

RURAL

(001) 1 ☐ Reg. units OR Sp. Pl. units coded 85–88 in Control Card item 5c

2 ☐ Sp. Pl. units not coded 85–88 in Control Card item 5c

URBAN

3 ☐ All Reg. and Sp. Pl. units

7a. Status of control number

(002) 1 ☐ Control number in sample last enumeration period – *Skip to item 8*

☐ Control number in sample for first time this enumeration period – *Fill item 7b*

b. Reason for adding control number

(002) 2 ☐ New construction
3 ☐ Mobile home moved in
4 ☐ House moved in
5 ☐ Unit resulted from structural conversion
6 ☐ Conversion of nonresidential unit
7 ☐ Other – *Specify*

8. Type of interview

Interview

(003) 1 ☐ Regular – *(One or more "Y's" in cc 11c)*
2 ☐ URE – *(All "N's" in cc 11c)*
3 ☐ Vacant
} *Skip to Section II, page 3*

4 ☐ Noninterview – *Skip to Check Item AA, page 47*

### Section I (TRANSCRIBE FROM CONTROL CARD)

9. Reason for noninterview (cc 40d)

a. Type A

(004) 1 ☐ No one home
2 ☐ Temporarily absent
3 ☐ Refused
4 ☐ Unable to locate
5 ☐ Other occupied – *Specify*

b. Type B

(004) 10 ☐ Unit for nonresidential use (e.g., business, school, or commercial storage)
11 ☐ OTHER unit, except unoccupied site for mobile home or tent
} *Fill item 9e*

12 ☐ Unoccupied site for mobile home or tent
13 ☐ Under construction – not ready
14 ☐ Scheduled to be demolished
15 ☐ Condemned or occupancy prohibited by law
16 ☐ Interior exposed to the elements
17 ☐ Unit severely damaged by fire
18 ☐ Other – *Specify*
} *Fill items 9d and e*

19 ☐ Permit granted – construction not started

9. Reason for noninterview (cc 40d) – Continued

c. Type C

(004) 30 ☐ Unit eliminated in structural conversion
31 ☐ Demolished
32 ☐ Disaster loss (flood, tornado, etc.)
33 ☐ Disaster loss – fire
34 ☐ House or mobile home moved
35 ☐ Merged – not in current sample
36 ☐ Built after April 1, 1970
37 ☐ Other – *Specify*

38 ☐ Unused permit – abandoned

*(Fill for applicable Type B's only)*

d. Unit boarded-up (cc 40e)

(005) 1 ☐ Yes
2 ☐ No

*(Fill for applicable Type B's only)*

e. Status of structure (Item 6, Form AHS-397)

(006) 1 ☐ Structure currently has no housing units
2 ☐ Structure currently has one or more housing units

### Section I – Continued (TRANSCRIBE FROM CONTROL CARD)

10. Structure originally built (cc 6)

☐ April 1, 1970 or later

(007) Month (01–12) / Year

OR

(007) 1 ☐ 1969 to March 31, 1970
2 ☐ 1965–1968
3 ☐ 1960–1964
4 ☐ 1950–1959
5 ☐ 1940–1949
6 ☐ 1939 or earlier
x ☐

11. Access (cc 9a)

(008) 1 ☐ Direct
2 ☐ Through another unit

12. Type of living quarters (cc 9b and c)

HOUSING UNIT

(009) 1 ☐ House, apartment, flat
2 ☐ HU in nontransient hotel, motel, etc.
3 ☐ HU permanent in transient hotel, motel, etc.
4 ☐ HU in rooming house
5 ☐ Mobile home or trailer with NO permanent room added
6 ☐ Mobile home or trailer WITH one or more permanent rooms added
7 ☐ HU not specified above – *Specify*

OTHER UNIT (*Treat as Type B Noninterview*)

8 ☐ Quarters not HU in rooming or boarding house
9 ☐ Unit not permanent in transient hotel, motel, etc.
10 ☐ Unoccupied tent site or trailer site
11 ☐ OTHER unit not specified above – *Specify*

13. Occupancy status (cc 40c)

(010) 1 ☐ Occupied (Regular interview) – *Skip to section IVA, page 10*
2 ☐ Vacant – *Skip to section XIII, page 48*
3 ☐ URE – *Skip to section IVA, page 10*

NOTES

### QUESTIONNAIRE ITEMS TO BE FILLED FOR NONINTERVIEWS AND VACANT INTERVIEWS

| NONINTERVIEWS | | | VACANT INTERVIEWS |
|---|---|---|---|
| TYPE A | TYPE B | TYPE C | |
| I.D. Items<br>1 and 2*<br>3–5e**<br>6–8 | I.D. Items<br>1 and 2*<br>3–5e**<br>6–8 | I.D. Items<br>1 and 2*<br>3–5e**<br>6–8 | I.D. Items<br>1 and 2*<br>3–8** |
| Section I items<br>9a<br>11<br>12<br>13 | Section I items<br>9b<br>9d and e *(Where appropriate)*<br>11<br>12 | Section I items<br>9c | Section I items<br>10–13 |
| Section XII, page 47<br>Section XIII, page 48 | Section XII, page 47<br>Section XIII, page 48 | Section XII, page 47<br>Section XIII, page 48 | Section II, pages 3–4<br>Section III, pages 5–9<br>Section XII, page 47<br>Section XIII, page 48 |

*NOTE – Fill items 1 and 2 only if AHS-2 is not labeled or if control number on label is incorrect.

**NOTE – In item 5e enter the relationship of the person providing the information for the noninterview or vacant; e.g., manager, agent, or neighbor. If no one was consulted, leave item 5e blank.

FORM AHS-2 (2-8-81)

Page 2

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

## Section II – CHECKLIST FOR REGULAR, URE, AND VACANT INTERVIEWS

**CHECK ITEM A**

(See item 8, page 1)

**REGULAR OR URE AND:**

(See Control Card item 14)
- ☐ Same household interviewed last enumeration period (at least one entry in "80" year column of item 14 on the current Control Card) – *Ask questions in Column A*
- ☐ All others – *Ask questions in Column B*

**VACANT AND:**

(See Control Card item 40c)
- ☐ Vacant last enumeration period – *Ask questions in Column A*
- ☐ All others – *Ask questions in Column B*

| Column A | | Column B | |
|---|---|---|---|
| 1a. Since (*last year's interview date*), has there been a change in the number of rooms in this house (apartment)? | (021) 1 ☐ Yes – *Ask b*<br>2 ☐ No<br>3 ☐ Don't know – *Ask b* | 1b. How many rooms are (now) in this house (apartment)? Do not count bathrooms, porches, balconies, foyers, halls, or half-rooms. | (022) _____ Number of rooms<br>x ☐ |
| 2a. Since (*last year's interview date*), has there been a change in the number of bedrooms in this house (apartment)? | (023) 1 ☐ Yes – *Ask b*<br>2 ☐ No<br>3 ☐ Don't know – *Ask b* | 2b. How many bedrooms are (now) in this house (apartment)? Count rooms used mainly for sleeping even if used for other purposes. | (024) _____ Number of bedrooms<br>OR<br>0 ☐ None |
| 3a. Since (*last year's interview date*), have any kitchen facilities been added or eliminated in this house (building)? | (025) 1 ☐ Yes – *Ask b*<br>2 ☐ No<br>3 ☐ Don't know – *Ask b* | 3b. Does this house (building) (now) have complete kitchen facilities; that is, a kitchen sink with piped water, a refrigerator and a range or a cookstove which are available for your use (the use of the intended occupants)? | (026) 1 ☐ Yes – For this household only<br>2 ☐ Yes – Also used by another household<br>3 ☐ No |
| 4a. Since (*last year's interview date*), has there been a change in the source of water for this house (building)? | (027) 1 ☐ Yes – *Ask b*<br>2 ☐ No<br>3 ☐ Don't know – *Ask b* | 4b. Does the water for this house (apartment) (now) come from a public or private system; an individual well; or some other source such as a spring, creek, river, cistern, etc.? | (028) 1 ☐ A public system or private company<br>2 ☐ An individual well<br>3 ☐ Some other source – Specify below<br>_____<br>_____ |



## Section II – CHECKLIST FOR REGULAR, URE, AND VACANT INTERVIEWS – Continued

| Column A | | Column B | |
|---|---|---|---|
| 5a. Since (*last year's interview date*), has there been a change in the means of sewage disposal for this house (building)? | (029) 1 ☐ Yes – *Ask b*<br>2 ☐ No<br>3 ☐ Don't know – *Ask b* | 5b. What means of sewage disposal does this house (building) (now) have? | (030) 1 ☐ Public sewer<br>2 ☐ Septic tank or cesspool<br>3 ☐ Chemical toilet<br>4 ☐ Privy<br>5 ☐ Use facilities in another structure<br>6 ☐ Other – Specify<br>_____ |
| ☐ Vacant unit – *Skip to 7a*<br>6a. Since (*last year's interview date*), has there been a change in the type of fuel used to heat this house (apartment)? | (031) 1 ☐ Yes – *Ask b*<br>2 ☐ No<br>3 ☐ Don't know – *Ask b* | ☐ Vacant unit – *Skip to 7b*<br>6b. How is this house (apartment) (now) heated – by gas, oil, electricity or with some other fuel? | Gas<br>(032) 1 ☐ From underground pipes serving the neighborhood<br>2 ☐ Bottled, tank, or LP<br>3 ☐ Fuel oil<br>4 ☐ Kerosene, etc.<br>5 ☐ Electricity<br>6 ☐ Coal or coke<br>7 ☐ Wood<br>8 ☐ Solar heat<br>9 ☐ Other fuel<br>0 ☐ No fuel used |
| 7a. Since (*last year's interview date*), has a garage or carport been added or eliminated on this property? | (033) 1 ☐ Yes – *Ask b*<br>2 ☐ No<br>3 ☐ Don't know – *Ask b* | 7b. Is there (now) a garage or carport on this property which is currently available for your use (the use of the intended occupants)? | (034) 1 ☐ Yes<br>2 ☐ No |

**CHECK ITEM B**

(See item 8, page 1)

☐ Regular or URE Interview – *Skip to Section IVB, page 12*

☐ Vacant interview – *Go to Section III, page 5*

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

~ PGM 3 ↓

## Section III – VACANT INTERVIEWS

**1a. How many living quarters, both occupied and vacant, are there in this house (building)?** (101)

1 ☐ Mobile home or trailer (no permanent room attached) – *Skip to Check Item A*
2 ☐ One, detached from any other building
3 ☐ One, attached to one or more buildings
4 ☐ 2
5 ☐ 3 or 4
6 ☐ 5 to 9
7 ☐ 10 to 19
8 ☐ 20 to 49
9 ☐ 50 or more
} *Skip to Check Item A*
x ☐

*OBSERVATION*
**b. Is any part of this property used as a commercial establishment?** (103)

1 ☐ Yes
2 ☐ No

*OBSERVATION*
**c. Is any part of this property used as a medical or dental office?** (104)

1 ☐ Yes
2 ☐ No

**CHECK ITEM A**

Part 1 *(See cc item 40d)*
☐ Control number was Type A or B noninterview last enumeration period – *Ask 2a*
☐ All others – *Go to part 2 below*
Part 2 *(See item 7a, page 1)*
☐ Control number in sample last enumeration period (first box marked in 7a) – *Skip to item 5, page 6*
☐ Control number in sample for first time this enumeration period (second box marked in item 7a) – *Ask 2a*

**2a. How many stories (floors) are there in this house (building)? Do not count the basement.**

*(MARK mobile homes by observation)* (105)

1 ☐ 1 to 3 – *Skip to 3*
2 ☐ 4 to 6
3 ☐ 7 to 12
4 ☐ 13 or more

*OBSERVATION*
**b. Is there a passenger elevator in this building?** (106)

1 ☐ Yes
2 ☐ No

**3. Does this house (building) have complete plumbing facilities; that is, hot and cold piped water, a flush toilet and a bathtub or shower, which are available for the use of the intended occupants of this house (apartment)?** (107)

☐ Yes → **Are these facilities ONLY for the use of the intended occupants?**
1 ☐ Yes – Used for this household only – *Ask 4*
2 ☐ No – Also used by another household – *Skip to 5*
3 ☐ No – *Skip to 5*

**4. A complete bathroom is a room with a flush toilet, bathtub or shower, and a washbasin with piped water.**
**A half bathroom has at least a flush toilet or a bathtub or shower, but does not have all the facilities for a complete bathroom.**

**How many complete bathrooms and half bathrooms does this house (apartment) have?** (108)

*(Mark only one box)*
1 ☐ Complete plumbing facilities but not in one room
2 ☐ 1 complete bathroom
3 ☐ 1 complete bathroom plus a half bath with no flush toilet
4 ☐ 1 complete bathroom plus a half bath with flush toilet
5 ☐ 2 complete bathrooms
6 ☐ More than 2 complete bathrooms

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## Section III – VACANT INTERVIEWS – Continued

**5. What type of heating equipment does this house (apartment) have?**

*(MARK heating equipment to be used most)*

*SHOW FLASHCARD B* (109)

1 ☐ Central warm-air furnace with ducts in individual rooms
2 ☐ Heat pump
3 ☐ Steam or hot water system
4 ☐ Built-in electric units (permanently installed in wall, ceiling, or baseboard)
5 ☐ Floor, wall, or pipeless furnace
6 ☐ Room heater(s) WITH flue or vent burning gas, oil, or kerosene
7 ☐ Room heater(s) WITHOUT flue or vent burning gas, oil, or kerosene
8 ☐ Fireplaces, stoves, or portable room heaters
9 ☐ Unit has no heating equipment

**6a. Is this unit intended for year-round use, for occupancy only on a seasonal basis, or for use by migrant workers?** (117)

☐ YEAR ROUND – *Ask b*
Seasonal
10 ☐ Summers only . . . . . .
11 ☐ Winters only . . . . . .
12 ☐ Other seasonal – *Specify in Notes on page 7* . . . . .
} *Skip to 7*
9 ☐ Migratory – *Skip to 7*
x ☐

**b. Is this house (apartment) for rent, for sale only, rented not occupied, sold not occupied, held for occasional use, or something else?** (117)

*(Probe to be asked only for cooperatives)*
**To the Census Bureau, a cooperative is property which is owned by a corporation. Each shareholder is entitled to occupy an individual unit. Is this what you mean when you say this is a cooperative?**

1 ☐ Vacant – Either for rent OR (for sale or for rent)
Vacant – for sale ONLY
2 ☐ Regular ownership
3 ☐ Condominium ownership
4 ☐ Cooperative ownership – *Ask probe*
5 ☐ Rented, not occupied
6 ☐ Sold, not occupied
7 ☐ Held for occasional use
8 ☐ Other vacant – *Specify* _____
*In addition, enclose INTERCOMM describing the situation in detail.*
x ☐

**7. How many months has this house (apartment) been vacant?** (119)

1 ☐ Less than 1 month
2 ☐ 1 month up to 2 months
3 ☐ 2 months up to 6 months
4 ☐ 6 months up to 12 months
5 ☐ 1 year up to 2 years
6 ☐ 2 years or more

*OBSERVATION*
**8a. Is the unit boarded-up?** (120)

1 ☐ Yes
2 ☐ No

*OBSERVATION*
**b. Are there any buildings (other than this building) with windows broken or boarded-up on this street?** (121)

1 ☐ Yes
2 ☐ No

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# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section III – VACANT INTERVIEWS – Continued**

9. Does this place have 10 acres or more?

(122) 1 ☐ Yes, 10 acres or more
2 ☐ No, less than 10 acres

**CHECK ITEM B**

**VACANCY STATUS** (See item 6b, page 6)

- **FOR RENT OR (FOR RENT OR FOR SALE)**

(See item 1a, page 5, and item 9 above)
- ☐ One-unit structure on less than 10 acres – *Skip to item 11, page 8*
- ☐ One-unit structure on 10 acres or more – *Skip to item 13, page 9*
- ☐ Two-or-more unit structure or a mobile home or trailer – *Skip to item 11, page 8*

- **FOR SALE ONLY**

**REGULAR OWNERSHIP**

(See items 1a, 1b, 1c on page 5, and item 9 above)
- ☐ One-unit structure on less than 10 acres and there is no commercial establishment or medical or dental office on the property – *Ask item 10*
- ☐ All others – *Skip to item 14, page 9*

☐ **A CONDOMINIUM** – *Ask item 10*

☐ **A COOPERATIVE** – *Skip to item 14, page 9*

- **ALL OTHERS** (See items 6a and 6b)

☐ Other vacants, units rented or sold, units held for occasional use, seasonal, and similar units – *Skip to item 13, page 9*

NOTES

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**Section III – VACANT INTERVIEWS – Continued**

10. What is the sale price asked for this property (condominium unit)?

*SHOW FLASHCARD D*

(126)
1 ☐ Less than $5,000
2 ☐ $ 5,000 – $ 7,499
3 ☐ 7,500 – 9,999
4 ☐ 10,000 – 12,499
5 ☐ 12,500 – 14,999
6 ☐ 15,000 – 17,499
7 ☐ 17,500 – 19,999
8 ☐ 20,000 – 22,499
9 ☐ 22,500 – 24,999
10 ☐ 25,000 – 27,499
11 ☐ 27,500 – 29,999
12 ☐ 30,000 – 34,999
13 ☐ 35,000 – 39,999
14 ☐ 40,000 – 44,999
15 ☐ 45,000 – 49,999
16 ☐ 50,000 – 54,999
17 ☐ 55,000 – 59,999
18 ☐ 60,000 – 64,999
19 ☐ 65,000 – 69,999
20 ☐ 70,000 – 74,999
21 ☐ 75,000 – 79,999
22 ☐ 80,000 – 89,999
23 ☐ 90,000 – 99,999
24 ☐ 100,000 – 124,999
25 ☐ 125,000 – 149,999
26 ☐ 150,000 – 199,999
27 ☐ 200,000 – 249,999
28 ☐ 250,000 – 299,999
29 ☐ 300,000 or more

} *Skip to item 14, page 9*

11. What is the MONTHLY rent?

*(Mark the frequency of payment box and enter the MONTHLY rent. If rent is not to be paid by the month, compute the MONTHLY rent in the "Notes" space, and enter the MONTHLY rent on the line provided.)*

*(Include site rent for mobile homes if it is to be paid separately.)*

(151) $_____ .00 Per month

(152) 1 ☐ More frequently than once a month
2 ☐ Less frequently than once a month
3 ☐ Once a month

Notes

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# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section III – VACANT INTERVIEWS – Continued**

| | | |
|---|---|---|
| 12a. In addition to rent, does the renter also pay for electricity? | 156 | 1 ☐ Yes<br>2 ☐ No, included in rent<br>3 ☐ No, electricity not used |
| b. In addition to rent, does the renter also pay for gas? | 158 | 1 ☐ Yes<br>2 ☐ No, included in rent<br>3 ☐ No, gas not used |
| c. In addition to rent, does the renter also pay for water? | 160 | 1 ☐ Yes<br>2 ☐ No, included in rent or no charge |
| d. In addition to rent, does the renter also pay for oil, coal, kerosene, wood, or any other fuel? | 162 | 1 ☐ Yes<br>2 ☐ No, included in rent<br>3 ☐ No, these fuels not used or obtained free |
| e. In addition to rent, does the renter also pay for garbage (food waste) collection? | 164 | 1 ☐ Yes<br>2 ☐ No |
| 13. Is this house (apartment) part of a condominium? | 527 | 1 ☐ Yes, part of a condominium<br>2 ☐ No |
| 14. How many rooms in this house (apartment) do NOT have hot air ducts or registers, radiators, or room heaters? Do not count the kitchen or bathroom(s). | 720 | 1 ☐ None<br>2 ☐ 1 room<br>3 ☐ 2 rooms<br>4 ☐ 3 or more rooms |
| 15. Does each room in this house (apartment) have a working electric wall outlet (wall plug)? | 721 | 1 ☐ Yes<br>2 ☐ No |
| 16. Is all the wiring in this house (apartment) concealed in the walls or in metal coverings? Do not count appliance cords, extension cords, or chandelier cords. | 722 | 1 ☐ Yes<br>2 ☐ No |
| 17a. Is it necessary to go through any bedroom to get to any bathroom? | 723 | 1 ☐ Yes<br>2 ☐ No |
| b. Is it necessary to go through any bedroom to get to any other room? | 724 | 1 ☐ Yes<br>2 ☐ No |
| CHECK ITEM C | (See item 1a, page 5)<br>☐ One-unit structure, or a mobile home or trailer – Skip to 20<br>☐ Two-or-more-unit structure – Continue with item 18a | |
| OBSERVATION<br>18a. Do the public halls in this building have light fixtures? | 725 | 1 ☐ Yes<br>2 ☐ No . . . . . } Skip to 19a<br>3 ☐ No public halls |
| b. Are the light fixtures in working order? | 726 | 1 ☐ All in working order<br>2 ☐ Some in working order<br>3 ☐ None in working order |
| 19a. Are there loose, broken, or missing steps on any common stairways inside this building or attached to this building? | 727 | 1 ☐ Yes<br>2 ☐ No<br>3 ☐ No common stairways – Skip to 20 |
| b. Are all stair railings firmly attached? | 728 | 1 ☐ Yes<br>2 ☐ No<br>3 ☐ No stair railings |
| 20. Is there a basement in this house (building)? (A basement is an enclosed space in which persons can walk upright under all or part of the building.) | 733 | 1 ☐ Yes } Go to Check Item AA, page 47<br>2 ☐ No |

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**Section IVA – REGULAR (OR URE) INTERVIEWS**

*TRANSCRIBE*

PGM 4 → 1. Line number of household respondent (See item 5e, page 1)

990 ☐☐

**HOUSEHOLD CHARACTERISTICS**

| 2a. Line number (cc 10) | 2b. Relationship to reference person (cc 11b)<br>*Transcribe information for all persons listed in control card item 11a whose line number is not deleted.*<br>*INCLUDE REFERENCE PERSON.* | OFFICE USE ONLY | 2c. Household member (cc 11c) CIRCLE ONE: Yes | No | 2d. Age (cc 14) | 2e. Marital status (For persons 14+) (cc 15)<br>1 – Married<br>2 – Widowed<br>3 – Divorced<br>4 – Separated<br>5 – Never married<br>ENTER CODE | 2f. Race (cc 16)<br>ENTER CODE from the white cc<br>OR<br>Convert the written entry on the green cc using the following codes:<br>1 – White<br>2 – Negro<br>3 – Other<br>ENTER CODE | 2g. Sex (cc 17) CIRCLE ONE: Male | Female |
|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | | | | 1 | 2 |
| | | | 1 | 2 | | | | 1 | 2 |
| | | | 1 | 2 | | | | 1 | 2 |
| | | | 1 | 2 | | | | 1 | 2 |
| | | | 1 | 2 | | | | 1 | 2 |
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| | | | 1 | 2 | | | | 1 | 2 |
| | | | 1 | 2 | | | | 1 | 2 |
| | | | 1 | 2 | | | | 1 | 2 |
| | | | 1 | 2 | | | | 1 | 2 |
| | | | 1 | 2 | | | | 1 | 2 |

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# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

PGM 5

**Section IVA – REGULAR (OR URE) INTERVIEWS – Continued**

*TRANSCRIBE FROM CONTROL CARD*

**3. Highest grade completed by reference person** *(cc 19)*

(091)
- 0 ☐ Never attended school
- 1 ☐ Kindergarten
- 2 ☐ First
- 3 ☐ Second
- 4 ☐ Third
- 5 ☐ Fourth
- 6 ☐ Fifth
- 7 ☐ Sixth
- 8 ☐ Seventh
- 9 ☐ Eighth
- 10 ☐ Ninth
- 11 ☐ Tenth
- 12 ☐ Eleventh
- 13 ☐ Twelfth

College (Academic years)

- 14 ☐ C1
- 15 ☐ C2
- 16 ☐ C3
- 17 ☐ C4
- 18 ☐ C5
- 19 ☐ C6 or more

**4. Ethnic origin** *(cc 20)*

(092)
- 1 ☐ Mexican-American
- 2 ☐ Chicano
- 3 ☐ Mexican
- 4 ☐ Mexicano
- 5 ☐ Puerto Rican
- 6 ☐ Cuban
- 7 ☐ Central or South American
- 8 ☐ Other Spanish – *Specify* _____
- 9 ☐ Other – *Specify* _____

**5. When reference person moved in** *(cc 21)*

After April 1, 1970

(093) Month (01–12) / Year

OR

(093)
- 1 ☐ 1965 to April 1, 1970
- 2 ☐ 1960 to 1964
- 3 ☐ 1950 to 1959
- 4 ☐ 1949 or earlier
- x ☐

**6. Use of telephone** *(cc 38a)*

(095)
- 1 ☐ Yes
- 2 ☐ No

INTERVIEWER INSTRUCTION ➧ *Go to section XIII, page 48*

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**Section IVB – REGULAR (OR URE) INTERVIEWS**

**7a. Are your living quarters owned or being bought by you or by someone else in your household?**

*(Probe to be asked only for cooperatives)*
**To the Census Bureau, a cooperative is property which is owned by a corporation. Each shareholder is entitled to occupy an individual unit. Is this what you mean when you say this is a cooperative?**

☐ Yes
**Are they owned as a cooperative or condominium?**

(100)
- 1 ☐ No, regular ownership
- 2 ☐ Yes, a cooperative – *Ask probe*
- 3 ☐ Yes, a condominium

} *Skip to 8a*

- ☐ No – *Ask 7b*
- x ☐

**b. Are your living quarters rented for cash by you or by someone else or occupied without payment of cash rent?**

(100)
- 4 ☐ Rented for cash
- 5 ☐ Occupied without payment of cash rent

**8a. How many living quarters, both occupied and vacant, are there in this house (building)?**

(101)
- 1 ☐ Mobile home or trailer (no permanent room attached) – *Go to b*
- 2 ☐ One, detached from any other building
- 3 ☐ One, attached to one or more buildings
- 4 ☐ 2 . . . . . .
- 5 ☐ 3 or 4 . . . . . .

} *Skip to 8c*

- 6 ☐ 5 to 9
- 7 ☐ 10 to 19
- 8 ☐ 20 to 49
- 9 ☐ 50 or more

} *Skip to Check Item A*

- x ☐

*OBSERVATION*
**b. How many mobile homes are in this group?**

(102)
- 1 ☐ 1–5
- 2 ☐ 6–99
- 3 ☐ 100 or more

} *Skip to Check Item A*

*OBSERVATION*
**c. Is any part of this property used as a commercial establishment?**

(103)
- 1 ☐ Yes
- 2 ☐ No

*OBSERVATION*
**d. Is any part of this property used as a medical or dental office?**

(104)
- 1 ☐ Yes
- 2 ☐ No

**CHECK ITEM A**

Part 1 *(See cc item 40d)*
- ☐ Control number was Type A or B noninterview last enumeration period – *Ask item 9a*
- ☐ All others – *Go to part 2 below*

Part 2 *(See item 7a, page 1)*
- ☐ Control number in sample last enumeration period (first box marked in item 7a) – *Skip to item 12, page 13*
- ☐ Control number in sample for first time this enumeration period (second box marked in item 7a) – *Ask item 9a*

**9a. How many stories (floors) are in this house (building)? Do not count the basement.**

*(MARK mobile homes by observation.)*

(105)
- 1 ☐ 1 to 3 – *Skip to 10*
- 2 ☐ 4 to 6
- 3 ☐ 7 to 12
- 4 ☐ 13 or more

**b. Is there a passenger elevator in this building?**

(106)
- 1 ☐ Yes
- 2 ☐ No

**10. Do you have complete plumbing facilities in this house (building); that is, hot and cold piped water, a flush toilet and a bathtub or shower, which are available for your use?**

(107)
- 1 ☐ Yes – For this household only
- 2 ☐ Yes – Also used by another household
- 3 ☐ No . . . . . .

} *Skip to 12*

FORM AHS-2 (2-6-81) Page 12

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section IVB – REGULAR (OR URE) INTERVIEWS – Continued**

| | |
|---|---|
| 11. A complete bathroom is a room with a flush toilet, bathtub or shower, and a washbasin with piped water. A half bathroom has at least a flush toilet or a bathtub or shower, but does not have all the facilities for a complete bathroom. How many complete bathrooms and half bathrooms do you have? | (108) (Mark only one box) 1 ☐ Complete plumbing facilities but not in one room; 2 ☐ 1 complete bathroom; 3 ☐ 1 complete bathroom plus half bath with no flush toilet; 4 ☐ 1 complete bathroom plus half bath with flush toilet; 5 ☐ 2 complete bathrooms; 6 ☐ More than 2 complete bathrooms |
| 12. What type of heating equipment does your house (apartment) have? (MARK heating equipment used most.) SHOW FLASHCARD B | (109) 1 ☐ Central warm-air furnace with ducts in individual rooms; 2 ☐ Heat pump; 3 ☐ Steam or hot water system; 4 ☐ Built-in electric units (permanently installed in wall, ceiling, or baseboard); 5 ☐ Floor, wall, or pipeless furnace; 6 ☐ Room heater(s) WITH flue or vent burning gas, oil, or kerosene; 7 ☐ Room heater(s) WITHOUT flue or vent burning gas, oil, or kerosene; 8 ☐ Fireplaces, stoves, or portable room heater(s); 9 ☐ Unit has no heating equipment; x ☐ |
| 13a. Do you have air conditioning, either individual room units or a central system? | (110) 1 ☐ Yes; 2 ☐ No – Skip to 14a |
| b. Which do you have? | (111) 1 ☐ Central – Skip to 14a; 2 ☐ Room units |
| c. How many room units do you have? | (112) _____ Room units |
| 14a. Does this house (apartment) have open cracks or holes in the interior walls or ceiling? (Do not include hairline cracks) | (113) 1 ☐ Yes; 2 ☐ No |
| b. Does this house (apartment) have holes in the floors? | (114) 1 ☐ Yes; 2 ☐ No |
| 15a. Is there any area of broken plaster on the ceiling or inside walls which is larger than this piece of paper? (SHOW CLOSED INTERVIEWER FLASHCARD AND INFORMATION BOOKLET) | (115) 1 ☐ Yes; 2 ☐ No |
| b. Is there any area of peeling paint on the ceiling or inside walls which is larger than this piece of paper? (SHOW CLOSED INTERVIEWER FLASHCARD AND INFORMATION BOOKLET) | (116) 1 ☐ Yes; 2 ☐ No |
| OBSERVATION 16. Are there any buildings with windows broken or boarded-up on this street? | (121) 1 ☐ Yes; 2 ☐ No |
| NOTES | |

FORM AHS-2 (2-6-81) Page 13

**Section IVB – REGULAR (OR URE) INTERVIEWS – Continued**

| | |
|---|---|
| 17. Does this place have 10 acres or more? | (122) 1 ☐ Yes; 2 ☐ No |
| **CHECK ITEM B** | Part 1 (See item 6, page 1)<br>RURAL<br>☐ Regular units OR Special Place units coded 85–88 (box 1 marked in item 6) – Go to part 2 below<br>☐ Special Place units not coded 85–88 (box 2 marked in item 6) – Skip to Check Item C<br>URBAN<br>☐ All Regular and Special Place units (box 3 marked in item 6) – Skip to Check Item C<br>Part 2 (See item 17)<br>☐ On 10 acres or more – Ask 18a<br>☐ On less than 10 acres – Skip to 18b |
| 18a. During the past 12 months, did sales of crops, livestock and other farm products from this place amount to $50 or more? | (123) 1 ☐ Yes – Skip to 18c; 2 ☐ No – Skip to Check Item C |
| b. During the past 12 months, did sales of crops, livestock and other farm products from this place amount to $250 or more? | (124) 1 ☐ Yes; 2 ☐ No – Skip to Check Item C |
| c. During the past 12 months, did sales of crops, livestock and other farm products from this place amount to $1,000 or more? | (125) 1 ☐ Yes; 2 ☐ No |
| **CHECK ITEM C** | TENURE (See items 7a and 7b, page 12)<br>1 ☐ OWNED AS A COOPERATIVE – Skip to Check Item G, page 18<br>2 ☐ OWNED AS A CONDOMINIUM – Ask 19, page 15<br>OWNED OR BEING BOUGHT (Regular ownership)<br>If this is a – (See item 8a, page 12)<br>3 ☐ Mobile home or trailer on less than 10 acres ("No" marked in item 17) – Skip to item 20, page 15<br>4 ☐ One-unit structure on less than 10 acres ("No" marked in item 17) and there is no commercial establishment or medical or dental office on the property ("No" in items 8c and 8d) – Ask 19, page 15<br>5 ☐ All others – Skip to Check Item G, page 18<br>RENTED FOR CASH<br>If this is a – (See item 8a, page 12)<br>6 ☐ One-unit structure on less than 10 acres ("No" marked in item 17) – Skip to item 26, page 16<br>7 ☐ One-unit structure on 10 acres or more ("Yes" marked in item 17) – Skip to Check Item G, page 18<br>8 ☐ Two-or-more unit structure or mobile home or trailer – Skip to item 26, page 16<br>OCCUPIED WITHOUT PAYMENT OF CASH RENT<br>If this is a – (See item 8a, page 12)<br>9 ☐ One-unit structure on less than 10 acres ("No" marked in item 17) – Skip to item 28, page 17<br>10 ☐ One-unit structure on 10 acres or more ("Yes" marked in item 17) – Skip to Check Item G, page 18<br>11 ☐ Two-or-more unit structure, or a mobile home or trailer – Skip to Check Item E, page 17 |

FORM AHS-2 (2-6-81) Page 14

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section IVB – REGULAR (OR URE) INTERVIEWS – Continued**

19. How much do you think this property, that is, house and lot, (condominium unit), would sell for on today's market?

*SHOW FLASHCARD D*

(126)
1 ☐ Less than $5,000
2 ☐ $ 5,000 – $ 7,499
3 ☐ 7,500 – 9,999
4 ☐ 10,000 – 12,499
5 ☐ 12,500 – 14,999
6 ☐ 15,000 – 17,499
7 ☐ 17,500 – 19,999
8 ☐ 20,000 – 22,499
9 ☐ 22,500 – 24,999
10 ☐ 25,000 – 27,499
11 ☐ 27,500 – 29,999
12 ☐ 30,000 – 34,999
13 ☐ 35,000 – 39,999
14 ☐ 40,000 – 44,999
15 ☐ 45,000 – 49,999
16 ☐ 50,000 – 54,999
17 ☐ 55,000 – 59,999
18 ☐ 60,000 – 64,999
19 ☐ 65,000 – 69,999
20 ☐ 70,000 – 74,999
21 ☐ 75,000 – 79,999
22 ☐ 80,000 – 89,999
23 ☐ 90,000 – 99,999
24 ☐ 100,000 – 124,999
25 ☐ 125,000 – 149,999
26 ☐ 150,000 – 199,999
27 ☐ 200,000 – 249,999
28 ☐ 250,000 – 299,999
29 ☐ 300,000 or more

**CHECK ITEM D**

(See Check Item C, page 14)
☐ OWNED AS A CONDOMINIUM (Box 2 marked) – Skip to Check Item G, page 18
☐ All others – Skip to item 23

20. Do you own the mobile home (trailer) SITE or is it rented?
(127) 1 ☐ Owned
2 ☐ Rented for cash or occupied without payment of cash rent

21a. In what year did you acquire this mobile home (trailer)?
(128) 19 ____

b. Was the mobile home (trailer) NEW when you acquired it?
(129) 1 ☐ Yes
2 ☐ No

c. When you acquired this mobile home (trailer), what was the purchase price? Do not include the price of the site or closing costs.
(130) $ _____ . 00 Purchase price
0 ☐ Not purchased

22. Do you have an installment loan or contract on this mobile home (trailer) or do you own it free and clear?
(131) 1 ☐ Installment loan or contract – Skip to 24a, page 16
2 ☐ Owned free and clear – Skip to 25a, page 16

23. Do you have a mortgage, deed of trust, or land contract on this property, that is house and lot, or do you own it free and clear?
(131) 1 ☐ Mortgage, deed of trust, or land contract
2 ☐ Owned free and clear – Skip to 25a, page 16

FORM AHS-2 (2-6-81) Page 15

**Section IVB – REGULAR (OR URE) INTERVIEWS – Continued**

24a. In regard to the mortgage (loan), what are the required payments to the lender? If more than one mortgage (loan) on this property (mobile home or trailer), give the total amount of the payments.
*(If there are separate loans on the mobile home and its site, combine amounts.)*
(133) $ _____ . 00
PER
(134) 1 ☐ Month
2 ☐ Year
☐ Other – Specify _____

b. In regard to the mortgage (loan), do the required payments include –
(1) Real estate taxes on this property?
(135) 1 ☐ Yes
2 ☐ No

(2) Fire and hazard insurance?
(136) 1 ☐ Yes
2 ☐ No

NOTE – Ask 25a for all categories before asking 25b.

NOTE – Ask 25b only for those categories in 25a which were answered "Yes."

25a. (1) Do you pay for electricity?
(137) 1 ☐ Yes
2 ☐ No

25b. (1) In the past 12 months, what was the average MONTHLY cost for electricity?
(138) $ _____ . 00

(2) Do you pay for gas?
(139) 1 ☐ Yes
2 ☐ No

(2) In the past 12 months, what was the average MONTHLY cost for gas?
(140) $ _____ . 00

(3) Do you pay for oil, coal, kerosene, wood, OR any other fuel?
(141) 1 ☐ Yes
2 ☐ No, these fuels not used or obtained free

(3) What is the YEARLY cost for oil, coal, kerosene, wood and any other fuel?
(142) $ _____ . 00

(4) Do you pay for fire and hazard insurance? (Also include if part of mortgage payments.)
(143) 1 ☐ Yes
2 ☐ No

(4) What is the YEARLY cost for fire and hazard insurance?
(144) $ _____ . 00

(5) Do you pay for real estate taxes? (Also include if part of mortgage payments.)
(145) 1 ☐ Yes
2 ☐ No

(5) What is the YEARLY cost for real estate taxes? (Do not include taxes in arrears from previous years.)
(146) $ _____ . 00

(6) Do you pay for water supply and/or sewage disposal separately from real estate taxes?
(147) 1 ☐ Yes
2 ☐ No or payment included in real estate taxes

(6) What is the YEARLY cost for water supply and sewage disposal?
(148) $ _____ . 00

25c. Do you pay for garbage (food waste) collection separately from real estate taxes?
(149) 1 ☐ Yes
2 ☐ No, or payment included in real estate taxes – Skip to Check Item G, page 18

d. What is the YEARLY cost for garbage (food waste) collection?
(150) $ _____ . 00 Skip to Check Item G, page 18

26. What is the MONTHLY rent?
*(Mark the frequency of payment box and enter the MONTHLY rent. If rent is not paid by the month, compute the MONTHLY rent in "Notes" space and enter the monthly rent on the line provided.)*
*(Do not include site rent for mobile homes if it is paid separately.)*
(151) $ _____ . 00
(152) 1 ☐ More frequently than once a month
2 ☐ Less frequently than once a month
3 ☐ Once a month

NOTES

FORM AHS-2 (2-6-81) Page 16

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section IVB – REGULAR (OR URE) INTERVIEWS – Continued**

**CHECK ITEM E**

*(See item 8a, page 12)*

☐ Mobile home or trailer (no permanent room attached) – *Ask 27*

☐ All others – *Skip to 28*

**27. Do you own the mobile home site or is it rented?**

(153) 1 ☐ Owned
2 ☐ Rented for cash or occupied without payment of cash rent

**28. Is this house (apartment) in a public housing project; that is, is it owned by a local housing authority or other local public agency?**

(154) 1 ☐ Yes – *Skip to 30a*
2 ☐ No

**29. Are you paying a lower rent because the Federal, State, or local government is paying part of the cost?**

(155) 1 ☐ Yes
2 ☐ No

**NOTE** – *Ask 30a for all categories before asking 30b. Exclude phrase "In addition to rent" for sample units OCCUPIED WITHOUT PAYMENT OF CASH RENT.*

**NOTE** – *Ask 30b only for those categories in 30a which were answered "Yes."*

**30a. (1) In addition to rent, do you pay for electricity?**

(156) 1 ☐ Yes
2 ☐ No, included in rent or supplied free
3 ☐ No, electricity not used

**30b. (1) In the past 12 months, what was the average MONTHLY cost for electricity?**

(157) $ _____ . 00

**(2) In addition to rent, do you pay for gas?**

(158) 1 ☐ Yes
2 ☐ No, included in rent or supplied free
3 ☐ No, gas not used

**(2) In the past 12 months, what was the average MONTHLY cost for gas?**

(159) $ _____ . 00

**(3) In addition to rent, do you pay for water?**

(160) 1 ☐ Yes
2 ☐ No, included in rent or no charge

**(3) What is the YEARLY cost for water?**

(161) $ _____ . 00

**(4) In addition to rent, do you pay for oil, coal, kerosene, wood, or any other fuel?**

(162) 1 ☐ Yes
2 ☐ No, included in rent
3 ☐ No, these fuels not used or obtained free

**(4) What is the YEARLY cost for oil, coal, kerosene, wood, and any other fuel?**

(163) $ _____ . 00

**(5) In addition to rent, do you pay for garbage (food waste) collection?**

(164) 1 ☐ Yes
2 ☐ No

**(5) What is the YEARLY cost for garbage (food waste) collection?**

(165) $ _____ . 00



**Section IVB – REGULAR (OR URE) INTERVIEWS – Continued**

**CHECK ITEM F**

*(See Check Item C, page 14)*

☐ Rented for cash (box 6, 7, or 8 marked) – *Ask 31*

☐ Occupied without payment of cash rent (box 9, 10, or 11 marked) – *Skip to Check Item G*

**31. Do you rent this apartment (house) furnished or unfurnished?**

(166) 1 ☐ Furnished
2 ☐ Unfurnished

**CHECK ITEM G**

*(See item 8, page 1)*

☐ URE interview – *Ask 32*

☐ Regular Interview – *Skip to item 33*

**32. Is this UNIT intended for year-round use, for occupancy only on a seasonal basis, or for use by migrant workers?**

(167) 8 ☐ YEAR ROUND (occupied temporarily at time of interview)
Seasonal
10 ☐ Summers only
11 ☐ Winters only
12 ☐ Other seasonal – Specify _____
9 ☐ Migratory

} *Skip to Check Item I, page 22*

**33. In the past 12 months, how much did . . . earn in wages, salaries, tips and commissions before taxes and deductions?**

*(Obtain income for reference person and all household members 15+ RELATED TO REFERENCE PERSON by blood, marriage, or adoption.)*

*(If more than six persons, enter in the "Notes" beginning with the sixth person and then combine the amounts for all these persons on the last "Amount" line. Leave the Line No. blank.)*

| | Line No. | | Amount (Dollars only) |
|---|---|---|---|
| (168) | | (169) | $ _____ . 00 |
| (170) | | (171) | $ _____ . 00 |
| (172) | | (173) | $ _____ . 00 |
| (174) | | (175) | $ _____ . 00 |
| (176) | | (177) | $ _____ . 00 |
| (178) | | (179) | $ _____ . 00 |

Notes

**34a. In the past 12 months, how much did this family (you) earn in net income from its (your) own business, professional practice or partnership?**

*(Exclude income previously reported in item 33. Probe if identical amounts are reported. Indicate that identical amounts are correct by marking this box ☐.)*

(180) $ _____ . 00

(181) 1 ☐ None
2 ☐ Lost money *(Enter amount LOST on line above)*

**b. In the past 12 months, how much did this family (you) earn in net income from farming or ranching?**

*(Exclude income previously reported in items 33 and 34a. Probe if identical amounts are reported. Indicate that identical amounts are correct by marking this box ☐.)*

(182) $ _____ . 00

(183) 1 ☐ None
2 ☐ Lost money *(Enter amount LOST on line above)*

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section IVB – REGULAR INTERVIEWS – Continued**

NOTE – *Ask 35a for all categories before asking 35b.*

NOTE – *Ask 35b only for those categories in 35a which were answered "Yes"*

*(Obtain income for reference person and all household members 15+ RELATED TO REFERENCE PERSON by blood, marriage, or adoption.)*

| 35a. In the past 12 months, did any member of this family (you) receive any money from – | | | 35b. How much was received from (source of income) in the past 12 months? |
|---|---|---|---|
| (1) Social Security or Railroad Retirement payments? | (184) 1 ☐ Yes | 2 ☐ No | (185) $ _____ .00 |
| (2) Estates, trusts or dividends? | (186) 1 ☐ Yes | 2 ☐ No | (187) $ _____ .00 |
| (3) Interest on savings accounts or bonds? | (188) 1 ☐ Yes | 2 ☐ No | (189) $ _____ .00 |
| (4) Net rental income? | (190) 1 ☐ Yes | 2 ☐ No | (191) $ _____ .00 |
| (5) Welfare payments or other public assistance such as SSI? | (192) 1 ☐ Yes | 2 ☐ No | (193) $ _____ .00 |
| (6) Unemployment compensation? | (194) 1 ☐ Yes | 2 ☐ No | (195) $ _____ .00 |
| (7) Worker's compensation? | (196) 1 ☐ Yes | 2 ☐ No | (197) $ _____ .00 |
| (8) Government employee pensions? | (198) 1 ☐ Yes | 2 ☐ No | (199) $ _____ .00 |
| (9) Veterans payments? | (200) 1 ☐ Yes | 2 ☐ No | (201) $ _____ .00 |
| (10) Private pensions or annuities? | (202) 1 ☐ Yes | 2 ☐ No | (203) $ _____ .00 |
| (11) Alimony or child support? | (204) 1 ☐ Yes | 2 ☐ No | (205) $ _____ .00 |
| (12) Regular contributions from persons not living in this household? | (206) 1 ☐ Yes | 2 ☐ No | (207) $ _____ .00 |
| (13) Anything else? | (208) 1 ☐ Yes | 2 ☐ No | (209) $ _____ .00 |

**NOTE** – *Exclude income previously reported. Probe if an amount in item 35b is identical to an amount in item 33 or 34. Indicate that amounts are correct by marking this box* ☐.

**CHECK ITEM H**

*(See Control Card items 11b, 11c, and 14)*

☐ Household contains household members 15+ NOT RELATED TO THE REFERENCE PERSON by blood, marriage, or adoption – *Ask 36, page 20*

☐ All others – *Skip to Check Item I, page 22*

FORM AHS-2 (2-6-81)



**Section IVB – REGULAR INTERVIEWS – Continued**

**36. In the past 12 months, how much did . . . earn in wages, salaries, tips and commissions before taxes and deductions?** →

*(Obtain income for household members 15+ NOT RELATED TO REFERENCE PERSON by blood, marriage, or adoption.)*

**37a. In the past 12 months, how much did . . . earn in net income from his (her) own business, professional practice, or partnership?** →

*(Exclude income previously reported in items 34, 35, and 36. Probe if identical amounts are reported for an individual. Indicate that identical amounts are correct by marking this box* ☐.)

**b. In the past 12 months, how much did . . . earn in net income from farming or ranching?** →

*(Exclude income previously reported in items 34, 35, 36, and 37a. Probe if identical amounts are reported for an individual. Indicate that identical amounts are correct by marking this box* ☐.)

NOTE – *Ask 38b for each "Yes" response in 38a. Ask 38a (and 38b as appropriate) for all categories before asking 38c.*

| 38a. In the past 12 months, did . . . (Names of ALL household members 15+ NOT RELATED TO REFERENCE PERSON by blood, marriage, or adoption) receive any money from – | | | 38b. Who received this type of income? (Enter line numbers) |
|---|---|---|---|
| (1) Social Security or Railroad Retirement payments? | (210) 1 ☐ Yes | 2 ☐ No | _____ |
| (2) Estates, trusts or dividends? | (211) 1 ☐ Yes | 2 ☐ No | _____ |
| (3) Interest on savings accounts or bonds? | (212) 1 ☐ Yes | 2 ☐ No | _____ |
| (4) Net rental income? | (213) 1 ☐ Yes | 2 ☐ No | _____ |
| (5) Welfare payments or other public assistance such as SSI? | (214) 1 ☐ Yes | 2 ☐ No | _____ |
| (6) Unemployment compensation? | (215) 1 ☐ Yes | 2 ☐ No | _____ |
| (7) Worker's compensation? | (216) 1 ☐ Yes | 2 ☐ No | _____ |
| (8) Government employee pensions? | (217) 1 ☐ Yes | 2 ☐ No | _____ |
| (9) Veterans payments? | (218) 1 ☐ Yes | 2 ☐ No | _____ |
| (10) Private pensions or annuities? | (219) 1 ☐ Yes | 2 ☐ No | _____ |
| (11) Alimony or child support? | (220) 1 ☐ Yes | 2 ☐ No | _____ |
| (12) Regular contributions from persons not living in this household? | (221) 1 ☐ Yes | 2 ☐ No | _____ |
| (13) Anything else? | (222) 1 ☐ Yes | 2 ☐ No | _____ |

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FORM AHS-2 (2-6-81)

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section IVB – REGULAR INTERVIEWS – Continued**

| (223) ☐☐ Line No. | (242) ☐☐ Line No. | (261) ☐☐ Line No. | (280) ☐☐ Line No. |
|---|---|---|---|
| 36. (224) $ _____ .00 | 36. (243) $ _____ .00 | 36. (262) $ _____ .00 | 36. (281) $ _____ .00 |
| 37a. (225) $ _____ .00<br>(226) 1 ☐ None<br>2 ☐ Lost money (Enter amount LOST on line above) | 37a. (244) $ _____ .00<br>(245) 1 ☐ None<br>2 ☐ Lost money (Enter amount LOST on line above) | 37a. (263) $ _____ .00<br>(264) 1 ☐ None<br>2 ☐ Lost money (Enter amount LOST on line above) | 37a. (282) $ _____ .00<br>(283) 1 ☐ None<br>2 ☐ Lost money (Enter amount LOST on line above) |
| b. (227) $ _____ .00<br>(228) 1 ☐ None<br>2 ☐ Lost money (Enter amount LOST on line above) | b. (246) $ _____ .00<br>(247) 1 ☐ None<br>2 ☐ Lost money (Enter amount LOST on line above) | b. (265) $ _____ .00<br>(266) 1 ☐ None<br>2 ☐ Lost money (Enter amount LOST on line above) | b. (284) $ _____ .00<br>(285) 1 ☐ None<br>2 ☐ Lost money (Enter amount LOST on line above) |
| 38c. How much did . . . receive from (Source of income) in the past 12 months? | 38c. How much did . . . receive from (Source of income) in the past 12 months? | 38c. How much did . . . receive from (Source of income) in the past 12 months? | 38c. How much did . . . receive from (Source of income) in the past 12 months? |
| (1) (229) $ _____ .00 | (1) (248) $ _____ .00 | (1) (267) $ _____ .00 | (1) (286) $ _____ .00 |
| (2) (230) $ _____ .00 | (2) (249) $ _____ .00 | (2) (268) $ _____ .00 | (2) (287) $ _____ .00 |
| (3) (231) $ _____ .00 | (3) (250) $ _____ .00 | (3) (269) $ _____ .00 | (3) (288) $ _____ .00 |
| (4) (232) $ _____ .00 | (4) (251) $ _____ .00 | (4) (270) $ _____ .00 | (4) (289) $ _____ .00 |
| (5) (233) $ _____ .00 | (5) (252) $ _____ .00 | (5) (271) $ _____ .00 | (5) (290) $ _____ .00 |
| (6) (234) $ _____ .00 | (6) (253) $ _____ .00 | (6) (272) $ _____ .00 | (6) (291) $ _____ .00 |
| (7) (235) $ _____ .00 | (7) (254) $ _____ .00 | (7) (273) $ _____ .00 | (7) (292) $ _____ .00 |
| (8) (236) $ _____ .00 | (8) (255) $ _____ .00 | (8) (274) $ _____ .00 | (8) (293) $ _____ .00 |
| (9) (237) $ _____ .00 | (9) (256) $ _____ .00 | (9) (275) $ _____ .00 | (9) (294) $ _____ .00 |
| (10) (238) $ _____ .00 | (10) (257) $ _____ .00 | (10) (276) $ _____ .00 | (10) (295) $ _____ .00 |
| (11) (239) $ _____ .00 | (11) (258) $ _____ .00 | (11) (277) $ _____ .00 | (11) (296) $ _____ .00 |
| (12) (240) $ _____ .00 | (12) (259) $ _____ .00 | (12) (278) $ _____ .00 | (12) (297) $ _____ .00 |
| (13) (241) $ _____ .00 | (13) (260) $ _____ .00 | (13) (279) $ _____ .00 | (13) (298) $ _____ .00 |

**NOTE** – *Exclude income previously reported. Probe if an amount in item 38c is identical to an amount in item 36, 37a, or 37b. Indicate that identical amounts are correct by marking this box* ☐.

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~PGM 6

**Section V – SUPPLEMENTAL ITEMS**

**CHECK ITEM I**

*(See Check Item C, page 14)*

Regular ownership (box 3, 4, or 5 marked)

*(See items 22 and 23, page 15)*
- ☐ Installment loan or contract, mortgage, deed of trust, or land contract – *Skip to item 40*
- ☐ All others – *Skip to Check Item J*

☐ Owned as a condominium (box 2 marked) – *Ask 39*

☐ All others – *Skip to Check Item J*

**39. Do you have a mortgage or loan on this condominium or is it owned free and clear?**

(307) 1 ☐ Mortgage or loan
2 ☐ Owned free and clear – *Skip to Check Item J*

**40. What kind of mortgage (loan) do you have?**

***SHOW FLASHCARD E***

(308) 1 ☐ Federal Housing Administration
2 ☐ Veterans Administration
3 ☐ Farmers Home Administration
4 ☐ Other mortgage

**CHECK ITEM J**

*Mark all three parts (see cc21)*

(1) Reference person lived here last 90 days. . . . . (309) 1 ☐ Yes 2 ☐ No

(2) Reference person moved into this house or apartment in January 1981 or before . . . . . (310) 1 ☐ Yes 2 ☐ No

(3) Reference person MOVED here during the last 12 months . . . . . (311) 1 ☐ Yes – *Go to Check Item K* 2 ☐ No – *Skip to Check Item Q, page 30*

**CHECK ITEM K**

(1) *(See item B, page 1)*
- ☐ URE Interview – *Go to Check Item Q, page 30*
- ☐ Regular Interview – *Go to Check Item K(2) below*

(2) *(See items 7a and 7b, page 12)*
- ☐ Regular ownership (box 1 marked) – *Go to Check Item K(3) below*
- ☐ Owned as a cooperative (box 2 marked) – *Skip to 44a, page 23*
- ☐ Owned as a condominium (box 3 marked) – *Go to Check Item K(3) below*
- ☐ Rented for cash or occupied without payment of cash rent (box 4 or 5 marked) – *Skip to 45, page 23*

(3) *(See item 8a, page 12)*
- ☐ Mobile home or trailer (no permanent room attached) – *Skip to Check Item L, page 23*
- ☐ All others – *Ask 41a, page 23*

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FORM AHS-2 (2-6-81)

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# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section VI – RECENT MOVERS SUPPLEMENT**

**41a. Was this property (condominium unit) purchased in the past 12 months?**
(401) 1 ☐ Yes
2 ☐ No – *Skip to Check Item L*

**b. When this house and lot (condominium unit) was acquired, what was the purchase price? Do not include closing costs.**
(402) $ _____ .00

**42. What was the MAJOR source of the down payment used for the purchase or construction of this property (condominium unit)?**
(403) 1 ☐ Sale of previous home (only if sold during 12-month period preceding acquisition of present home)
2 ☐ Sale of other real property or other investment (including stock)
3 ☐ Savings (cash, bank deposits, share accounts, or bonds)
4 ☐ Borrowing other than a mortgage on this property
5 ☐ Gift
6 ☐ Land on which structure was built
7 ☐ Other – *Specify* _____
8 ☐ No down payment required

**CHECK ITEM L**
(See item 40, page 22)
☐ *Kind* of mortgage specified (box 1, 2, 3 or 4 marked OR "NA," "OK" or "REF" entered) – *Ask 43a*
☐ Item 40 blank – *Skip to 44a*

**43a. Earlier you told me that this property is mortgaged. When you acquired this property did you originate (place) a new mortgage or assume an existing mortgage?**
(404) 1 ☐ Originated mortgage
2 ☐ Assumed mortgage – *Skip to 44a*

**b. At the time you acquired this property, what was the amount of the mortgage? Do not include second trusts, or any other loan associated with the property.**
(405) $ _____ .00

**44a. Is this the first home . . . (*Reference person*) has ever owned as his (her) usual residence?**
(406) 1 ☐ Yes – *Skip to 45*
2 ☐ No – *Ask 44b*

**b. Including this home, how many homes has . . . (*Reference person*) owned altogether? Do not include vacation homes, or homes purchased for commercial or rental purposes.**
(407) 1 ☐ Two
2 ☐ Three or more

**45. Were you (was) (*Reference person*) the first occupant(s) of this house (apartment) or did someone else live here before you (*Reference person*)?**
(408) 1 ☐ First occupants
2 ☐ Previously occupied

**46. The following questions are about the place where . . . (*Reference person*) lived before moving here. What was the address of . . .'s (*Reference person*) previous residence?**

Address (*Number and street*)
City, town, or place
County | State | ZIP Code

**OR**

(409) 0 ☐ Outside the United States – *Skip to 68, page 29*

(409) OFFICE USE ONLY

**47. Did . . . (*Reference person*) live inside the incorporated limits of (*Name of place in item 46*)?**
(460) 1 ☐ Yes
2 ☐ No, lived outside incorporated limits or place not incorporated



**Section VI – RECENT MOVERS SUPPLEMENT – Continued**

**48. Please look at this card.**

***SHOW FLASHCARD F***

**What are the reasons . . . (*Reference person*) moved FROM that residence?**

*(Mark all answers given)*

**EMPLOYMENT**
(410) 1 ☐ Job transfer
2 ☐ To look for work
3 ☐ To take a new job
4 ☐ Entered or left U.S. Armed Forces
5 ☐ Retirement
6 ☐ Commuting reasons
(411) 7 ☐ To attend school
8 ☐ Other employment reasons – *Specify* _____

**FAMILY**
(412) 09 ☐ Needed larger house or apartment
10 ☐ Divorced or separated
11 ☐ Widowed
(413) 12 ☐ To be closer to relatives
13 ☐ Newly married
14 ☐ Family increased
(414) 15 ☐ Family decreased
16 ☐ To establish own household
17 ☐ Other family reasons – *Specify* _____

**OTHER**
(415) 18 ☐ Neighborhood overcrowded
19 ☐ Change in racial or ethnic composition of neighborhood
20 ☐ Crime
(416) 21 ☐ Wanted neighborhood with children
22 ☐ Wanted neighborhood without children
23 ☐ Wanted better neighborhood
(417) 24 ☐ Wanted more expensive place or better investment
25 ☐ Wanted to own residence
26 ☐ Wanted better house
(418) 27 ☐ Wanted to rent residence
28 ☐ Wanted residence with more conveniences
29 ☐ Lower rent or less expensive house
(419) 30 ☐ Wanted change of climate
31 ☐ Displaced by urban renewal, highway construction, or other public activity
32 ☐ Displaced by private action
(420) 33 ☐ Schools
34 ☐ Natural disaster
35 ☐ Other – *Specify* _____

INTERVIEWER INSTRUCTION
Two or more boxes marked in item 48 – *Ask 49*
If only ONE box is marked in item 48 – *Transcribe code to item 49 and fill Check item M, page 25*

**49. Of the reasons you just mentioned, what was the MAIN reason . . . (*Reference person*) moved from that residence?**
(421) ☐☐ Box number of MAIN reason

## Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section VI – RECENT MOVERS SUPPLEMENT – Continued**

**CHECK ITEM M**

(See item 49, page 24)

- ☐ If "29" entered in item 49 – *Ask 50a*
- ☐ If "32" entered in item 49 – *Skip to 50b*
- ☐ All others – *Skip to 51a, page 26*

**50a. Did you want or need lower rent or a less expensive house because . . .'s (Reference person) income was reduced, . . .'s (Reference person) housing costs greatly increased, or some other reason?**

*(Mark all answers given)*

(422) *
- 1 ☐ Income reduced
- 2 ☐ Housing costs greatly increased
- 3 ☐ Other – *Specify* _____

} *Skip to 51a, page 26*

**b. Were you displaced because –**

*(Read answer categories and mark all answers given)*

*SHOW FLASHCARD G*

(423) *
- 1 ☐ The owner was converting the building to a condominium?
- 2 ☐ The owner closed the building for rehabilitation?
- 3 ☐ The owner closed the building but gave no reason?
- 4 ☐ The owner sold the building?
- 5 ☐ The rents were raised?
- 6 ☐ The building was converted to nonresidential use?
- (424) 7 ☐ Other reason? – *Specify* _____

NOTES



**Section VI – RECENT MOVERS SUPPLEMENT – Continued**

**51a. Please look at this card.**

*SHOW FLASHCARD H*

**What are the reasons . . . (Reference person) moved TO this particular neighborhood?**

*(Mark all answers given)*

**b. What are the reasons . . . (Reference person) moved TO this particular residence?**

*(Mark all additional answers given)*

**EMPLOYMENT**

(425) *
- 1 ☐ Job transfer
- 2 ☐ To look for work
- 3 ☐ To take a new job
- 4 ☐ Entered U.S. Armed Forces
- 5 ☐ Retirement
- 6 ☐ Commuting reasons
- (426) * 7 ☐ To attend school
- 8 ☐ Other employment reasons – *Specify* _____

**FAMILY**

(427) *
- 9 ☐ Needed larger house or apartment
- 10 ☐ To be closer to relatives
- 11 ☐ Other family reasons – *Specify* _____

**OTHER**

(428) *
- 12 ☐ Neighborhood less crowded
- 13 ☐ Racial or ethnic composition of neighborhood
- 14 ☐ Low crime rate
- (429) * 15 ☐ Wanted neighborhood with children
- 16 ☐ Wanted neighborhood without children
- 17 ☐ Wanted better neighborhood
- (430) * 18 ☐ Wanted more expensive place or better investment
- 19 ☐ Residence with more conveniences
- 20 ☐ Lower rent or less expensive house
- (431) * 21 ☐ Change of climate
- 22 ☐ Schools
- 23 ☐ Other – *Specify* _____

INTERVIEWER INSTRUCTIONS ➡
- Two or more boxes marked in item 51 – *Ask 52*
- If only ONE box is marked in item 51 – *Transcribe code to item 52 and ask 53a, page 27*

**52. Of all the reasons you just mentioned, what is the MAIN reason . . . (Reference person) moved to this particular residence or neighborhood?**

(432) ☐☐ Box number of MAIN reason

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section XI – RECENT MOVERS SUPPLEMENT – Continued**

**53a. Was . . . (Reference person) the person or one of the persons who owned or rented the previous residence at the time he (she) moved?** (433)
- Yes
  - 1 ☐ Respondent is the reference person – *Skip to INTERVIEWER INSTRUCTION*
  - 2 ☐ Respondent is not the reference person – *Ask 53b*
- 2 ☐ No – *Skip to item 68, page 29*

**b. Were you also a member of . . .'s (Reference person) household in the previous residence?** (434)
- 1 ☐ Yes
- 2 ☐ No

INTERVIEWER INSTRUCTION
- ☐ "Yes" in 53b or respondent is reference person – *Ask questions 54–67 in terms of "your" previous residence*
- ☐ "No" in 53b – *Ask questions 54–67 in terms of "reference person's" previous residence*

**54. How many rooms were in . . .'s (Reference person) previous residence? Do not count bathrooms, porches, balconies, halls, foyers, or half-rooms.** (435) _____ Number

**55. How many bedrooms were in . . .'s (Reference person) previous residence? Count rooms used mainly for sleeping, even if used for other purposes.** (436) _____ Number

**56. How many persons were living in . . .'s (Reference person) previous residence at the time . . . (Reference person) moved?** (437) _____ Number

**57. Were there complete plumbing facilities in the building where . . . (Reference person) lived before; that is, hot and cold piped water, a flush toilet, and a bathtub or shower?** (438)
- ☐ Yes → **Were these facilities used by . . .'s (Reference person) household only?**
  - 1 ☐ Yes – Used by that household only
  - 2 ☐ No – Also used by another household
- 3 ☐ No

**58. How many living quarters, both occupied and vacant, were in the building where . . .'s (Reference person) previous residence was located?** (439)
- 1 ☐ Mobile home or trailer (no permanent room attached)
- 2 ☐ One, detached from any other building
- 3 ☐ One, attached to one or more buildings
- 4 ☐ 2
- 5 ☐ 3 or 4
- 6 ☐ 5 to 9
- 7 ☐ 10 to 19
- 8 ☐ 20 to 49
- 9 ☐ 50 or more

**59a. Was . . .'s (Reference person) previous residence owned or being bought by someone in the household?**

*(Probe to be asked only for cooperatives)*
**To the Census Bureau, a cooperative is property which is owned by a corporation. Each shareholder is entitled to occupy an individual unit. Is this what you mean when you say that it was a cooperative?** (440)
- ☐ Yes, **Was it owned as a cooperative or condominium?**
  - 1 ☐ No – *Skip to Check Item N, page 28*
  - 2 ☐ Yes, a cooperative – Ask probe – *Skip to 68, page 29*
  - 3 ☐ Yes, a condominium – *Skip to 61, page 28*
- ☐ No – *Ask 59b*

**b. Was it rented for cash rent or occupied without payment of cash rent?** (440)
- 4 ☐ Rented for cash
- 5 ☐ Occupied without payment of cash rent

FORM AHS-2 (2-6-81)



**Section XI – RECENT MOVERS SUPPLEMENT – Continued**

**CHECK ITEM N**

TENURE OF PREVIOUS RESIDENCE *(See Item 59, page 27)*

**OWNED OR BEING BOUGHT** *("Yes" marked in 59a)*
*(See Item 58, page 27)*
- ☐ One-unit structure – *Ask 60a*
- ☐ Two-or-more unit structure, or a mobile home or trailer – *Skip to 68, page 29*

**RENTED FOR CASH OR OCCUPIED WITHOUT PAYMENT OF CASH RENT** *(Box 4 or 5 marked in 59b)*
*(See Item 58, page 27)*
- ☐ One-unit structure – *Skip to 62*
- ☐ Two-or-more unit structure, or a mobile home or trailer – *Skip to Check Item O*

**60a. Was that house on a place of 10 acres or more?** (441)
- 1 ☐ Yes – *Skip to 68, page 29*
- 2 ☐ No

**b. Was there a commercial establishment or medical or dental office on the property?** (442)
- 1 ☐ Yes – *Skip to 68, page 29*
- 2 ☐ No

**61. What was the value of that property when . . . (Reference person) moved; that is, about how much did that property (house and lot) (condominium unit) sell for, or would it have sold for, had it been for sale?**

*SHOW FLASHCARD D*

(443)
- 1 ☐ Less than $5,000
- 2 ☐ $ 5,000 – $ 7,499
- 3 ☐ 7,500 – 9,999
- 4 ☐ 10,000 – 12,499
- 5 ☐ 12,500 – 14,999
- 6 ☐ 15,000 – 17,499
- 7 ☐ 17,500 – 19,999
- 8 ☐ 20,000 – 22,499
- 9 ☐ 22,500 – 24,999
- 10 ☐ 25,000 – 27,499
- 11 ☐ 27,500 – 29,999
- 12 ☐ 30,000 – 34,999
- 13 ☐ 35,000 – 39,999
- 14 ☐ 40,000 – 44,999
- 15 ☐ 45,000 – 49,999
- 16 ☐ 50,000 – 54,999
- 17 ☐ 55,000 – 59,999
- 18 ☐ 60,000 – 64,999
- 19 ☐ 65,000 – 69,999
- 20 ☐ 70,000 – 74,999
- 21 ☐ 75,000 – 79,999
- 22 ☐ 80,000 – 89,999
- 23 ☐ 90,000 – 99,999
- 24 ☐ 100,000 – 124,999
- 25 ☐ 125,000 – 149,999
- 26 ☐ 150,000 – 199,999
- 27 ☐ 200,000 – 249,999
- 28 ☐ 250,000 – 299,999
- 29 ☐ 300,000 or more

*Skip to 68, page 29*

**62. Was that house on a place of 10 acres or more?** (444)
- 1 ☐ Yes – *Skip to 68, page 29*
- 2 ☐ No

**CHECK ITEM O**
*(See item 59b, page 27)*
- ☐ Rented for cash – *Ask 63*
- ☐ Occupied without payment of cash rent – *Skip to 64, page 29*

**63. What was the MONTHLY rent for . . .'s (Reference person) previous apartment (house)?**
*(If rent was not paid by the month, write amount and time period covered in "Notes" space, then compute MONTHLY rent and enter on line provided.)*
*(Include site rent for mobile homes if it was paid separately.)*

(445) $ _____ . 00 Per month

NOTES

FORM AHS-2 (2-6-81)

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section VI – RECENT MOVERS SUPPLEMENT – Continued**

**64. Was that house (apartment) in a public housing project; that is, was it owned by a local housing authority or other local public agency?**
(446) 1 ☐ Yes – *Skip to 66a*
2 ☐ No

**65. Did . . . (Reference person) pay a lower rent because the Federal, State, or local government was paying part of the cost?**
(447) 1 ☐ Yes
2 ☐ No

**NOTE** – *Ask 66a for all categories before asking 66b. (Exclude phrase "In addition to rent" for sample units OCCUPIED WITHOUT PAYMENT OF CASH RENT.)*

**NOTE** – *Ask 66b only for those categories in 66a which were answered "Yes."*

**66a. (1) In addition to rent, did . . . (Reference person) pay for electricity?**
(448) 1 ☐ Yes
2 ☐ No, included in rent or supplied free
3 ☐ No, electricity not used

**66b. (1) What was the average MONTHLY cost for electricity?**
(449) $ _____ . 00

**(2) In addition to rent, did . . . (Reference person) pay for gas?**
(450) 1 ☐ Yes
2 ☐ No, included in rent or supplied free
3 ☐ No, gas not used

**(2) What was the average MONTHLY cost for gas?**
(451) $ _____ . 00

**(3) In addition to rent, did . . . (Reference person) pay for water?**
(452) 1 ☐ Yes
2 ☐ No, included in rent or no charge

**(3) What was the YEARLY cost for water?**
(453) $ _____ . 00

**(4) In addition to rent, did . . . (Reference person) pay for oil, coal, kerosene, wood, or any other fuel?**
(454) 1 ☐ Yes
2 ☐ No, included in rent
3 ☐ No, these fuels not used or obtained free

**(4) What was the YEARLY cost for oil, coal, kerosene, wood, and any other fuel?**
(455) $ _____ . 00

**(5) In addition to rent, did . . . (Reference person) pay for garbage (food waste) collection?**
(456) 1 ☐ Yes
2 ☐ No

**(5) What was the YEARLY cost for garbage (food waste) collection?**
(457) $ _____ . 00

**CHECK ITEM P**
*(See item 59b, page 27)*
☐ Rented for cash – *Ask 67*
☐ Occupied without payment of cash rent – *Skip to 68*

**67. Did . . . (Reference person) rent the apartment (house) furnished or unfurnished?**
(458) 1 ☐ Furnished
2 ☐ Unfurnished

**68. Besides the move to this residence, how many other times did . . . (Reference person) move in the past 12 months?**
*(Do not include visits or vacations.)*
(459) 1 ☐ None
2 ☐ One
3 ☐ Two
4 ☐ Three or more

NOTES



**Section VII – CONDOMINIUM/COOPERATIVE SUPPLEMENT**

**CHECK ITEM Q**
*(See Check Item C, page 14)*
☐ Owned as a cooperative (box 1 marked) – *Skip to 70*
☐ Owned as a condominium (box 2 marked) – *Skip to 70*
☐ Rented for cash or occupied without payment of cash rent (box 6, 7, 8, 9, 10 or 11 marked) – *Ask 69*
☐ All other (box 3, 4, or 5 marked) – *Skip to Check Item S, page 33*

**69. Is this apartment (house) part of a condominium?**
(527) 1 ☐ Yes – *Skip to 72*
2 ☐ No – *Skip to Check Item S, page 33*

**70. Was this building converted from rental units to condominium (cooperative) units?**
(528) 1 ☐ Yes
2 ☐ No . . . . . } *Skip to 72*
3 ☐ Don't know

**71. In what year was this unit converted to condominium (cooperative) ownership?**
(529) 1 ☐ 1981
2 ☐ 1979–1980
3 ☐ 1976–1978
4 ☐ 1970–1975
5 ☐ Before 1970
6 ☐ Don't know

**72. A development is a building or group of buildings under a single management. How many condominium (cooperative) units are there in THIS development?**
*(Read categories)*
(530) 1 ☐ Less than 50
2 ☐ 50–99
3 ☐ 100–499
4 ☐ 500 or more
5 ☐ Don't know

**73. Are any of the (any other) units in this development rented or for rent?**
(531) 1 ☐ Yes
2 ☐ No
3 ☐ Don't know

**CHECK ITEM R**
(1) *(See item 8, page 1)*
☐ URE Interview – *Skip to Check Item S, page 33*
☐ Regular Interview – *Go to Check Item R(2) below*
(2) *(See Check Item C, page 14)*
☐ Owned as a condominium (box 2 marked) – *Go to Check Item R(3) below*
☐ All others – *Skip to Check Item S, page 33*
(3) *(See item 40, page 22)*
☐ Kind of mortgage specified (box 1, 2, 3 or 4 marked or "NA," "DK" or "REF" entered) – *Ask 74*
☐ Item 40 blank – *Skip to 75a*

**74. Earlier you told me that this unit is mortgaged. What are the required payments to the lender? If more than one mortgage (loan) on this condominium, give the total amount of the payments.**
(534) $ _____ . 00
PER
(535) 1 ☐ Month
2 ☐ Year
☐ Other – *Specify* _____

**75a. Do you pay for fire and hazard insurance?**
*(Also include fire and hazard insurance that is included in mortgage payments.)*
(536) 1 ☐ Yes
2 ☐ No – *Skip to 76a, page 31*

**b. What is the YEARLY cost?**
(537) $ _____ . 00

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section VII – CONDOMINIUM/COOPERATIVE SUPPLEMENT – Continued**

| | |
|---|---|
| 76a. Are the real estate taxes included in the mortgage payment? | (538) 1 ☐ Yes – *Skip to 76c*<br>2 ☐ No |
| b. Do you pay real estate taxes separately? | (539) 1 ☐ Yes<br>2 ☐ No – *Skip to 77* |
| c. What is the YEARLY cost? *(Do not include taxes in arrears from previous years.)* | (540) $ _____ . 00 |
| 77. How much is your condominium fee? | (541) $ _____ . 00<br>PER<br>(542) 1 ☐ Month<br>2 ☐ Year<br>☐ Other – *Specify* _____ |
| 78a. Does your condominium fee include electricity? | (543) 1 ☐ Yes – *Skip to 79a*<br>2 ☐ No |
| b. Do you pay for electricity separately? | (544) 1 ☐ Yes<br>2 ☐ No or electricity not used – *Skip to 79a* |
| c. In the past 12 months, what was the average MONTHLY cost for electricity? | (545) $ _____ . 00 |
| 79a. Does your condominium fee include gas? | (546) 1 ☐ Yes – *Skip to 80a*<br>2 ☐ No |
| b. Do you pay for gas separately? | (547) 1 ☐ Yes<br>2 ☐ No or gas not used – *Skip to 80a* |
| c. In the past 12 months, what was the average MONTHLY cost for gas? | (548) $ _____ . 00 |
| 80a. Does your condominium fee include water? | (549) 1 ☐ Yes – *Skip to 81a*<br>2 ☐ No |
| b. Do you pay for water separately? | (550) 1 ☐ Yes<br>2 ☐ No – *Skip to 81a* |
| c. What is the YEARLY cost for water? | (551) $ _____ . 00 |
| 81a. Does your condominium fee include oil, coal, kerosene, wood, or any other fuel? | (552) 1 ☐ Yes – *Skip to 82a*<br>2 ☐ No |
| b. Do you pay for oil, coal, kerosene, wood, or any other fuel separately? | (553) 1 ☐ Yes<br>2 ☐ No – *Skip to 82a* |
| c. What is the YEARLY cost for oil, coal, kerosene, wood, and any other fuel? | (554) $ _____ . 00 |
| 82a. Does your condominium fee include garbage (food waste) collection? | (555) 1 ☐ Yes – *Skip to 83, page 32*<br>2 ☐ No |
| b. Do you pay for garbage (food waste) collection separately? | (556) 1 ☐ Yes<br>2 ☐ No – *Skip to 83, page 32* |
| c. What is the YEARLY cost for garbage (food waste) collection? | (557) $ _____ . 00 |



**Section VII – CONDOMINIUM/COOPERATIVE SUPPLEMENT – Continued**

| | |
|---|---|
| 83. Does your condominium fee include – | |
| (1) Upkeep and maintenance of the common space and grounds? | (558) 1 ☐ Yes<br>2 ☐ No |
| (2) Off-street parking? | (559) 1 ☐ Yes<br>2 ☐ No |
| (3) Swimming facilities? | (560) 1 ☐ Yes<br>2 ☐ No |
| (4) Other recreational facilities? | (561) 1 ☐ Yes<br>2 ☐ No |
| (5) Security personnel? | (562) 1 ☐ Yes<br>2 ☐ No |
| (6) Anything else? | (563) 1 ☐ Yes – *Please specify* _____<br>_____<br>2 ☐ No |

NOTES

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section VIII – HOUSING QUALITY AND STATE OF REPAIR SUPPLEMENT**

**CHECK ITEM S**

*(See Check Item J, part (2), page 22)*

(1) Reference person moved into this house or apartment in January 1981 or before

- ☐ Yes – *Go to part (2) below*
- ☐ No – *Skip to 87*

(2) *(See item 12 (Heating Equipment), page 13)*

- ☐ Box 7, 8, or 9 marked in item 12 – *Ask 84*
- ☐ All others – *Skip to 85*

**INTRODUCTION** Now I have some questions concerning problems you may have experienced in your home.

**84.** During the time period of December 1980 through February 1981, was your house (apartment) so cold for 24 hours or more that it caused you discomfort?
(718) 1 ☐ Yes 2 ☐ No } *Skip to 87*

**85.** During the time period of December 1980 through February 1981, when your regular heating system was working, did you, at any time, have to use additional sources of heat BECAUSE YOUR REGULAR SYSTEM DID NOT PROVIDE ENOUGH HEAT?
*(Additional sources of heat may be the kitchen stove, a fireplace, or a portable heater.)*
(719) 1 ☐ Yes 2 ☐ No

**86.** How many rooms in this house (apartment) do NOT have hot air ducts or registers, radiators, or room heaters? Do not count kitchen or bathroom(s).
(720) 1 ☐ None 2 ☐ 1 room 3 ☐ 2 rooms 4 ☐ 3 or more rooms

**87.** Does each room in this house (apartment) have a working electric wall outlet (wall plug)?
(721) 1 ☐ Yes 2 ☐ No

**88.** Is all the wiring in this house (apartment) concealed in the walls or in metal coverings? Do not count appliance cords, extension cords or chandelier cords.
(722) 1 ☐ Yes 2 ☐ No

**89a.** Is it necessary to go through any bedroom to get to any bathroom?
(723) 1 ☐ Yes 2 ☐ No

**b.** Is it necessary to go through any bedroom to get to any other room?
(724) 1 ☐ Yes 2 ☐ No

**CHECK ITEM T**

*(See item 8a, page 12)*

- ☐ One-unit structure, or a mobile home or trailer – *Skip to Check Item U, page 34*
- ☐ Two-or-more-unit structure – *Ask 90a*

*OBSERVATION*

**90a.** Do the public halls in this building have light fixtures?
(725) 1 ☐ Yes 2 ☐ No . . . . . 3 ☐ No public halls } *Skip to 91a*

**b.** Are the light fixtures in working order?
(726) 1 ☐ All in working order 2 ☐ Some in working order 3 ☐ None in working order

**91a.** Are there loose, broken, or missing steps on any common stairways inside this building or attached to this building?
(727) 1 ☐ Yes 2 ☐ No 3 ☐ No common stairways – *Skip to Check Item U, page 34*

**b.** Are all stair railings firmly attached?
(728) 1 ☐ Yes 2 ☐ No 3 ☐ No stair railings



**Section VIII – HOUSING QUALITY AND STATE OF REPAIR SUPPLEMENT – Continued**

**CHECK ITEM U**

*(See Check Item J, part (1), page 22)*

Reference person lived here last 90 days

- ☐ Yes – *Ask 92a*
- ☐ No – *Skip to 94a*

**92a.** Have any electric fuses or breaker switches blown in your house (apartment) in the last 90 days?
(729) 1 ☐ Yes 2 ☐ No . . . . . 3 ☐ Don't know } *Skip to 93a*

**b.** How many times did this happen?
(730) 1 ☐ 1 2 ☐ 2 3 ☐ 3 or more

**93a.** At any time in the last 90 days have you seen any mice or rats, or signs of mice or rats in this house (building)?
(731) 1 ☐ Yes 2 ☐ No – *Skip to 94a*

**b.** Is this house (building) serviced by an exterminator for mice or rats regularly, only when needed, irregularly, or not at all?
(732) 1 ☐ Regularly 2 ☐ Only when needed 3 ☐ Irregularly 4 ☐ Not at all

**94a.** Is there a basement in this house (building)?
*(A basement is an enclosed space in which persons can walk upright under all or part of the building.)*
(733) 1 ☐ Yes 2 ☐ No

**b.** Does the roof of this house (building) leak?
(734) 1 ☐ Yes 2 ☐ No 3 ☐ Don't know

**95.** What is the name of the company which supplies electricity to this house (building)?

Name of the company

(801) 1 ☐ Generate own electricity 2 ☐ No electricity used 3 ☐ Don't know

Office use only

**96.** In view of all the things we have talked about, how would you rate this HOUSE (building) as a place to live – would you say it is excellent, good, fair, or poor?
(735) 1 ☐ Excellent 2 ☐ Good 3 ☐ Fair 4 ☐ Poor

NOTES

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

## Section IX – EQUIPMENT BREAKDOWN SUPPLEMENT

**CHECK ITEM V**

(1) (See item 8, page 1)

☐ Regular interview – Go to part (2) below

☐ URE interview – Skip to 103a, page 37

(2) (See Check Item J, part (1), page 22)

Reference person lived here last 90 days

☐ Yes – Ask 97

☐ No – Skip to 103a, page 37

| | |
|---|---|
| 97. Do you have piped water in this building? | (575) 1 ☐ Yes<br>2 ☐ No – Skip to 100a, page 36 |
| 98a. At any time in the last 90 days, were you COMPLETELY without running water? | (576) 1 ☐ Yes<br>2 ☐ No – Skip to 99a |
| b. Were you completely without running water for 6 consecutive hours or more? | (577) 1 ☐ Yes<br>2 ☐ No . . . . .<br>3 ☐ Don't know } Skip to 99a |
| c. How many times? | (578) 1 ☐ 1<br>2 ☐ 2<br>3 ☐ 3 or more |
| d. What was the (most common) reason you were completely without water for 6 consecutive hours or more – was it because of problems inside the building or problems outside the building? | (579) 1 ☐ Inside – Specify problem<br>2 ☐ Outside – Specify problem |
| 99a. At any time in the last 90 days was there a breakdown in your flush toilet or toilets, such that there were no usable toilets? | (580) 1 ☐ Yes<br>2 ☐ No – Skip to 100a, page 36 |
| b. Did any of these breakdowns last 6 consecutive hours or more? | (581) 1 ☐ Yes<br>2 ☐ No – Skip to 100a, page 36 |
| c. How many of these breakdowns were there? | (582) 1 ☐ 1<br>2 ☐ 2<br>3 ☐ 3<br>4 ☐ 4 or more |
| d. What was the (most common) reason you were completely without the use of your flush toilet for 6 consecutive hours or more – was it because of problems inside the building or problems outside the building? | (583) 1 ☐ Inside – Specify problem<br>2 ☐ Outside – Specify problem |



## Section IX – EQUIPMENT BREAKDOWN SUPPLEMENT – Continued

| | |
|---|---|
| 100a. At any time in the last 90 days, was there a breakdown in your sewage disposal system such that it was completely unusable? | (584) 1 ☐ Yes<br>2 ☐ No – Skip to Check Item W |
| b. Did any of these breakdowns last 6 consecutive hours or more? | (585) 1 ☐ Yes<br>2 ☐ No . . . . .<br>3 ☐ Don't know } Skip to Check Item W |
| c. How many of these breakdowns were there? | (586) 1 ☐ 1<br>2 ☐ 2<br>3 ☐ 3 or more |

**CHECK ITEM W**

(1) (See Check Item J, part (2), page 22)

Reference Person moved into this house or apartment in January 1981 or before

☐ Yes – Go to part (2) below

☐ No – Skip to item 103a, page 37

(2) (See item 12, type of heating equipment, page 13)

☐ Box 9 marked – unit has no heating equipment – Skip to item 103a, page 37

☐ All others – Ask item 101a

| | |
|---|---|
| 101a. During the time period of December 1980 through February 1981, was there a breakdown in your heating equipment; that is, was it completely unusable for 6 consecutive hours or more? | (589) 1 ☐ Yes<br>2 ☐ No – Skip to 102a |
| b. How many times did that happen? | (590) 1 ☐ 1<br>2 ☐ 2<br>3 ☐ 3<br>4 ☐ 4 or more |
| 102a. During the time period of December 1980 through February 1981, did you completely close certain rooms for a week or longer because you couldn't get them warm? Include kitchen and bathroom(s). | (591) 1 ☐ Yes<br>2 ☐ No – Skip to 103a, page 37 |
| b. Which rooms?<br>(Mark all that apply) | (592) 1 ☐ Living room<br>2 ☐ Dining room<br>3 ☐ One or more bedrooms<br>4 ☐ Other – Specify |

NOTES

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

## Section X – NEIGHBORHOOD QUALITY SUPPLEMENT

*NOTE – Ask all categories in 103a before asking 103b.*

*NOTE – Ask 103b only for those categories in 103a which were answered "Yes."*

| 103a. The following questions are concerned with different aspects of your PRESENT neighborhood. Here is a list of conditions which many people have on their streets. Which, if any, do you have? | | b. Does the (Condition) bother you? | c. Is it so objectionable that you would like to move from the neighborhood? |
|---|---|---|---|
| (1) Street (highway) noise? | (616) * 1 ☐ Yes 2 ☐ No | (1) 3 ☐ Yes – Ask c 4 ☐ No | 5 ☐ Yes 6 ☐ No |
| (2) Streets or roads continually in need of repair, or open ditches? | (617) * 1 ☐ Yes 2 ☐ No | (2) 3 ☐ Yes – Ask c 4 ☐ No | 5 ☐ Yes 6 ☐ No |
| (3) Neighborhood crime? | (618) * 1 ☐ Yes 2 ☐ No | (3) 3 ☐ Yes – Ask c 4 ☐ No | 5 ☐ Yes 6 ☐ No |
| (4) Trash, litter, or junk in the streets (roads), or on empty lots, or on properties in this neighborhood? | (619) * 1 ☐ Yes 2 ☐ No | (4) 3 ☐ Yes – Ask c 4 ☐ No | 5 ☐ Yes 6 ☐ No |
| (5) Boarded-up or abandoned structures? | (620) * 1 ☐ Yes 2 ☐ No | (5) 3 ☐ Yes – Ask c 4 ☐ No | 5 ☐ Yes 6 ☐ No |
| (6) Industries, businesses, stores, or other nonresidential activities? | (621) * 1 ☐ Yes 2 ☐ No | (6) 3 ☐ Yes – Ask c 4 ☐ No | 5 ☐ Yes 6 ☐ No |
| (7) Odors, smoke, or gas? | (622) * 1 ☐ Yes 2 ☐ No | (7) 3 ☐ Yes – Ask c 4 ☐ No | 5 ☐ Yes 6 ☐ No |

*NOTE – If "Yes" was answered for one or more of the categories in 103a, ask 103b.*

*NOTE – Ask ALL categories in 104a before asking 104b.*

*NOTE – Ask 104b only for those categories in 104a which were answered "No."*

| 104a. The following questions are concerned with neighborhood services. Do you have – | | 104b. Is the (Service) so unsatisfactory that you would like to move from the neighborhood? |
|---|---|---|
| (1) Satisfactory police protection? | (623) 1 ☐ Yes 2 ☐ No 3 ☐ Don't know | (624) 1 ☐ Yes 2 ☐ No |
| (2) Satisfactory outdoor recreation facilities such as parks, playgrounds, or swimming pools? | (625) 1 ☐ Yes 2 ☐ No 3 ☐ Don't know | (626) 1 ☐ Yes 2 ☐ No |
| (3) Satisfactory hospitals or health clinics? | (627) 1 ☐ Yes 2 ☐ No 3 ☐ Don't know | (628) 1 ☐ Yes 2 ☐ No |

*NOTE – If "No" was answered for one or more categories in 104a, ask 104b.*

FORM AHS-2 (2-6-81)



## Section X – NEIGHBORHOOD QUALITY SUPPLEMENT – Continued

| | |
|---|---|
| 105a. Is there public transportation for this area? | (629) 1 ☐ Yes 2 ☐ No – *Skip to 106a* |
| b. Is it satisfactory? | (630) 1 ☐ Yes 2 ☐ No 3 ☐ Don't know |
| c. Does anyone in the household (Do you) use public transportation at least once a week? | (631) 1 ☐ Yes 2 ☐ No |
| 106a. Do you have satisfactory neighborhood shopping, that is grocery stores or drug stores? | (632) 1 ☐ Yes 2 ☐ No . . . . . 3 ☐ Don't know } *Skip to Check Item X* |
| b. Are any of these stores within one mile from here? | (633) 1 ☐ Yes 2 ☐ No |

**CHECK ITEM X**

*(See Control Card items 11c and 14)*

☐ Household members 5 through 13 years of age – *Ask 107a*

☐ No household members 5 through 13 years of age – *Skip to 107b*

| | |
|---|---|
| 107a. Does your child (Do your children) attend a public elementary school or a private elementary school? *(Mark all that apply.)* | (634) * 1 ☐ Public elementary school 2 ☐ Private elementary school 3 ☐ Other school 4 ☐ Does not attend school |
| b. Is the public elementary school that children living at this address attend (would attend) satisfactory? *(If more than one public elementary school, ask about the closest one to the area.)* | (635) 1 ☐ Yes 2 ☐ No 3 ☐ Don't know |
| c. Is that public elementary school within one mile of here? | (636) 1 ☐ Yes 2 ☐ No |
| 108. In view of all the things we have talked about, how would you rate this neighborhood as a place to live – would you say it is excellent, good, fair, or poor? | (637) 1 ☐ Excellent 2 ☐ Good 3 ☐ Fair 4 ☐ Poor |

NOTES

FORM AHS-2 (2-6-81)

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

## Section XI – JOURNEY-TO-WORK SUPPLEMENT

**CHECK ITEM Y** (See item 8, page 1)
- ☐ URE interview – Go to Check Item AA, page 47
- ☐ Regular Interview – Ask item 109a

**109a. How many cars (passenger automobiles) are owned or regularly used by members of your household?**
(Count company cars kept at home; do NOT count trucks or vans.)
(736) _____ Number
OR
0 ☐ None

**b. How many trucks or vans of one-ton capacity or less are owned or regularly used by members of your household?**
(Count company trucks or vans kept at home.)
(737) _____ Number
OR
0 ☐ None

**INTERVIEWER INSTRUCTION** In item 110a, enter the line number of each current HOUSEHOLD MEMBER (Yes in cc item 11c) 16 YEARS OLD AND OVER.

Ask item 110b for each person listed in item 110a.

| 110a. Line number (cc item 10) | 110b. Did . . . have a job last week? (Mark the "Yes" box if the household member was temporarily absent from work due to illness, vacation, layoff, etc.) (Mark the "No" box if the household member has a job but is living away from home while working.) |
|---|---|
| (738) | (739) 1 ☐ Yes 2 ☐ No |
| (740) | (741) 1 ☐ Yes 2 ☐ No |
| (742) | (743) 1 ☐ Yes 2 ☐ No |
| (744) | (745) 1 ☐ Yes 2 ☐ No |
| (746) | (747) 1 ☐ Yes 2 ☐ No |
| (748) | (749) 1 ☐ Yes 2 ☐ No |
| (750) | (751) 1 ☐ Yes 2 ☐ No |
| (752) | (753) 1 ☐ Yes 2 ☐ No |
| (754) | (755) 1 ☐ Yes 2 ☐ No |
| (756) | (757) 1 ☐ Yes 2 ☐ No |
| (758) | (759) 1 ☐ Yes 2 ☐ No |
| (760) | (761) 1 ☐ Yes 2 ☐ No |

**INTERVIEWER INSTRUCTION** If all "No" in item 110b, go to Check Item AA, page 47. Otherwise transcribe the line number for each person with a "Yes" answer in question 110b above to the line number of worker box at the top of a separate set of pages beginning with page 40. Read the introduction below and ask the appropriate questions.

Each worker should answer items 111 through 117 for himself (herself) if available. If any worker is not available at the time of interview, ask these items of a knowledgeable household member. Enter in the boxes above item 111a, the line number of the respondent for each worker.

**INTRODUCTION** The following questions are concerned with how persons in your household usually get to work. Are . . . (Specify names of all persons for whom "Yes" is marked in 110b) available to answer some questions at this time?



~ PGM 7 ↓

## Section XI – JOURNEY-TO-WORK SUPPLEMENT – Continued

Line number of respondent → (762) ☐☐ Line number of worker → (763) ☐☐

**111a. What is . . .'s principal means of transportation to work?**

(764)
1 ☐ Car
2 ☐ Truck
3 ☐ Van

(765)
1 ☐ Drives alone – Ask 111b
2 ☐ Carpool – Skip to 111c
3 ☐ Bus or streetcar
4 ☐ Subway or elevated
5 ☐ Railroad . . . . . .
6 ☐ Taxicab . . . . . .
7 ☐ Motorcycle or moped
8 ☐ Bicycle . . . . . .
9 ☐ Other type of vehicle
10 ☐ Walks only' . . . . . .
11 ☐ Works at home – Go to INTERVIEWER INSTRUCTION on page 41

(3–6) Skip to 113a, page 41
(7–10) Skip to 114, page 41

*SHOW FLASHCARD I*

**b. What is . . .'s MAIN reason for driving alone?**

(766)
1 ☐ Irregular or unusual work hours
2 ☐ Irregular work location
3 ☐ Need car for work or errands
4 ☐ Don't know anyone to ride with
5 ☐ Like privacy
6 ☐ It is out of the way to pick up others
7 ☐ Riders require extra waiting or are not dependable
8 ☐ Want car for emergencies or occasional overtime
9 ☐ Don't trust others driving
10 ☐ Some other reason

Skip to 112a

**c. How many people, including . . ., usually ride in the car, (truck), (van)?**
(767) _____ Number

**d. Of the (Specify entry in 111c) people in the carpool, how many, including . . ., are members of this household?**
(768) _____ Number

**112a. In addition to the car, (truck), (van), does . . . usually use public transportation for any part of the trip to work?**
(769)
1 ☐ Yes – Ask 112b
2 ☐ No – Skip to 112c

**b. What kind of public transportation does . . . use for any part of the trip to work?**
(770)
1 ☐ Bus or streetcar
2 ☐ Subway or elevated
3 ☐ Railroad
4 ☐ Taxicab
5 ☐ Other

Skip to 114, page 41

*SHOW FLASHCARD J*

**c. What is the MAIN reason that . . . does not use public transportation to get to work?**
(771)
1 ☐ Rather use car, truck, or van
2 ☐ Available transit does not go to place of work
3 ☐ Takes too long to get to work
4 ☐ Time schedule is not convenient
5 ☐ Public transportation is not available
6 ☐ Transit stop is too far from residence
7 ☐ Too expensive
8 ☐ Need car, truck, or van for work
9 ☐ Physical and/or mental impairment
10 ☐ Other reason

Skip to 114, page 41

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section XI – JOURNEY-TO-WORK SUPPLEMENT – Continued**

*SHOW FLASHCARD K*

**113a. What is . . .'s MAIN reason for using a** *(Specify entry in item 111a)* **to get to work?**

(772)
1 ☐ No driver's license
2 ☐ No car, truck, or van available
3 ☐ Cheaper than car, truck, or van
4 ☐ No parking costs or problems
5 ☐ No driving strain
6 ☐ Faster than car, truck, or van
7 ☐ Other main reason

**b. In addition to public transportation, does . . . usually use a car, truck, or van for part of the trip to work? Do not include taxicabs.**

(773) 1 ☐ Yes
2 ☐ No

**114. Does . . . usually report to the same location to begin work each day?**

(774) 1 ☐ Yes
2 ☐ No – *Go to INTERVIEWER INSTRUCTION below*

**115a. How many minutes does it usually take . . . to get from home to work?**

(775) _____ Minutes

**b. What time does . . . usually leave for work?**

(786) _____ Time
(787) 1 ☐ a.m.
2 ☐ p.m.

**116. How many miles does . . . travel from home to work?**

(776) _____ Miles
**OR**
0 ☐ Less than 1 mile

**117a. In what city, town, village, or borough does . . . usually work?**

City, town, village, or borough
_____

**b. Is . . .'s place of work inside the incorporated limits of** *(Name of city, town, village, etc., listed in 117a)*?

(777) 1 ☐ Yes
2 ☐ No (in unincorporated area)
3 ☐ Don't know

**c. In what county and State is . . .'s place of work located?**

County
_____
State
_____
**OR**
(778) 0 ☐ Outside the United States

(778) OFFICE USE ONLY

INTERVIEWER INSTRUCTION
If reference person, go to Check Item Z, page 46.
If not reference person, go to next worker, or if last worker, go to Check Item AA, page 47.

NOTES



~ PGM 7 ↓

**Section XI – JOURNEY-TO-WORK SUPPLEMENT – Continued**

Line number of respondent → (762) | Line number of worker → (763)

**111a. What is . . .'s principal means of transportation to work?**

(764)
1 ☐ Car
2 ☐ Truck
3 ☐ Van

(765)
1 ☐ Drives alone – *Ask 111b*
2 ☐ Carpool – *Skip to 111c*

3 ☐ Bus or streetcar
4 ☐ Subway or elevated
5 ☐ Railroad . . . . . .
6 ☐ Taxicab . . . . . .
} *Skip to 113a, page 43*

7 ☐ Motorcycle or moped
8 ☐ Bicycle . . . . . .
9 ☐ Other type of vehicle
10 ☐ Walks only . . . . . .
} *Skip to 114, page 43*

11 ☐ Works at home – *Go to INTERVIEWER INSTRUCTION on page 43*

*SHOW FLASHCARD I*

**b. What is . . .'s MAIN reason for driving alone?**

(766)
1 ☐ Irregular or unusual work hours
2 ☐ Irregular work location
3 ☐ Need car for work or errands
4 ☐ Don't know anyone to ride with
5 ☐ Like privacy
6 ☐ It is out of the way to pick up others
7 ☐ Riders require extra waiting or are not dependable
8 ☐ Want car for emergencies or occasional overtime
9 ☐ Don't trust others driving
10 ☐ Some other reason
} *Skip to 112a*

**c. How many people, including . . ., usually ride in the car, (truck), (van)?**

(767) _____ Number

**d. Of the** *(Specify entry in 111c)* **people in the carpool, how many, including . . ., are members of this household?**

(768) _____ Number

**112a. In addition to the car, (truck), (van), does . . . usually use public transportation for any part of the trip to work?**

(769) 1 ☐ Yes – *Ask 112b*
2 ☐ No – *Skip to 112c*

**b. What kind of public transportation does . . . use for any part of the trip to work?**

(770)
1 ☐ Bus or streetcar
2 ☐ Subway or elevated
3 ☐ Railroad
4 ☐ Taxicab
5 ☐ Other
} *Skip to 114, page 43*

*SHOW FLASHCARD J*

**c. What is the MAIN reason that . . . does not use public transportation to get to work?**

(771)
1 ☐ Rather use car, truck, or van
2 ☐ Available transit does not go to place of work
3 ☐ Takes too long to get to work
4 ☐ Time schedule is not convenient
5 ☐ Public transportation is not available
6 ☐ Transit stop is too far from residence
7 ☐ Too expensive
8 ☐ Need car, truck, or van for work
9 ☐ Physical and/or mental impairment
10 ☐ Other reason
} *Skip to 114, page 43*

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section XI – JOURNEY-TO-WORK SUPPLEMENT – Continued**

*SHOW FLASHCARD K*

**113a. What is . . .'s MAIN reason for using a** *(Specify entry in item 111a)* **to get to work?**

(772)
1 ☐ No driver's license
2 ☐ No car, truck, or van available
3 ☐ Cheaper than car, truck, or van
4 ☐ No parking costs or problems
5 ☐ No driving strain
6 ☐ Faster than car, truck, or van
7 ☐ Other main reason

**b. In addition to public transportation, does . . . usually use a car, truck, or van for part of the trip to work? Do not include taxicabs.**

(773) 1 ☐ Yes
2 ☐ No

**114. Does . . . usually report to the same location to begin work each day?**

(774) 1 ☐ Yes
2 ☐ No – *Go to INTERVIEWER INSTRUCTION below*

**115a. How many minutes does it usually take . . . to get from home to work?**

(775) _____ Minutes

**b. What time does . . . usually leave for work?**

(786) _____ Time
(787) 1 ☐ a.m.
2 ☐ p.m.

**116. How many miles does . . . travel from home to work?**

(776) _____ Miles
OR
0 ☐ Less than 1 mile

**117a. In what city, town, village, or borough does . . . usually work?**

City, town, village, or borough
_____

**b. Is . . .'s place of work inside the incorporated limits of** *(Name of city, town, village, etc., listed in 117a)*?

(777) 1 ☐ Yes
2 ☐ No (in unincorporated area)
3 ☐ Don't know

**c. In what county and State is . . .'s place of work located?**

County
_____
State
_____
OR
(778) 0 ☐ Outside the United States

OFFICE USE ONLY
(778) ☐☐☐☐☐

INTERVIEWER INSTRUCTION
If reference person, go to Check Item Z, page 46.
If not reference person, go to next worker, or if last worker, go to Check Item AA, page 47.

NOTES

FORM AHS-2 (2-6-81)



~ PGM 7 ↓

**Section XI – JOURNEY-TO-WORK SUPPLEMENT – Continued**

Line number of respondent → (762) ☐☐ Line number of worker → (763) ☐☐

**111a. What is . . .'s principal means of transportation to work?**

(764)
1 ☐ Car
2 ☐ Truck
3 ☐ Van

(765)
1 ☐ Drives alone – Ask 111b
2 ☐ Carpool – Skip to 111c
3 ☐ Bus or streetcar
4 ☐ Subway or elevated
5 ☐ Railroad . . . . . .
6 ☐ Taxicab . . . . . .
7 ☐ Motorcycle or moped
8 ☐ Bicycle . . . . . .
9 ☐ Other type of vehicle
10 ☐ Walks only . . . . . .
11 ☐ Works at home – *Go to INTERVIEWER INSTRUCTION on page 45*

Skip to *113a, page 45*

Skip to *114, page 45*

*SHOW FLASHCARD I*

**b. What is . . .'s MAIN reason for driving alone?**

(766)
1 ☐ Irregular or unusual work hours
2 ☐ Irregular work location
3 ☐ Need car for work or errands
4 ☐ Don't know anyone to ride with
5 ☐ Like privacy
6 ☐ It is out of the way to pick up others
7 ☐ Riders require extra waiting or are not dependable
8 ☐ Want car for emergencies or occasional overtime
9 ☐ Don't trust others driving
10 ☐ Some other reason

Skip to *112a*

**c. How many people, including . . ., usually ride in the car, (truck), (van)?**

(767) _____ Number

**d. Of the** *(Specify entry in 111c)* **people in the carpool, how many, including . . ., are members of this household?**

(768) _____ Number

**112a. In addition to the car, (truck), (van), does . . . usually use public transportation for any part of the trip to work?**

(769)
1 ☐ Yes – *Ask 112b*
2 ☐ No – *Skip to 112c*

**b. What kind of public transportation does . . . use for any part of the trip to work?**

(770)
1 ☐ Bus or streetcar
2 ☐ Subway or elevated
3 ☐ Railroad
4 ☐ Taxicab
5 ☐ Other

Skip to *114, page 45*

*SHOW FLASHCARD J*

**c. What is the MAIN reason that . . . does not use public transportation to get to work?**

(771)
1 ☐ Rather use car, truck, or van
2 ☐ Available transit does not go to place of work
3 ☐ Takes too long to get to work
4 ☐ Time schedule is not convenient
5 ☐ Public transportation is not available
6 ☐ Transit stop is too far from residence
7 ☐ Too expensive
8 ☐ Need car, truck, or van for work
9 ☐ Physical and/or mental impairment
10 ☐ Other reason

Skip to *114, page 45*

FORM AHS-2 (2-6-81)

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

**Section XI – JOURNEY-TO-WORK SUPPLEMENT – Continued**

*SHOW FLASHCARD K*

113a. What is . . .'s MAIN reason for using a *(Specify entry in item 111a)* to get to work?

(772)
1 [ ] No driver's license
2 [ ] No car, truck, or van available
3 [ ] Cheaper than car, truck, or van
4 [ ] No parking costs or problems
5 [ ] No driving strain
6 [ ] Faster than car, truck, or van
7 [ ] Other main reason

b. In addition to public transportation, does . . . usually use a car, truck, or van for part of the trip to work? Do not include taxicabs.

(773) 1 [ ] Yes
2 [ ] No

114. Does . . . usually report to the same location to begin work each day?

(774) 1 [ ] Yes
2 [ ] No – *Go to INTERVIEWER INSTRUCTION below*

115a. How many minutes does it usually take . . . to get from home to work?

(775) _____ Minutes

b. What time does . . . usually leave for work?

(786) _____ Time
(787) 1 [ ] a.m.
2 [ ] p.m.

116. How many miles does . . . travel from home to work?

(776) _____ Miles
OR
0 [ ] Less than 1 mile

117a. In what city, town, village, or borough does . . . usually work?

City, town, village, or borough

_____

b. Is . . .'s place of work inside the incorporated limits of *(Name of city, town, village, etc., listed in 117a)*?

(777) 1 [ ] Yes
2 [ ] No (in unincorporated area)
3 [ ] Don't know

c. In what county and State is . . .'s place of work located?

County

_____

State

_____

OR

(778) 0 [ ] Outside the United States

(778) OFFICE USE ONLY

INTERVIEWER INSTRUCTION ➡ If reference person, go to Check Item Z, page 46.
If not reference person, go to next worker, or if last worker, go to Check Item AA, page 47.

NOTES

FORM AHS-2 (2-6-81)



~ PGM 8 ↓

**Section XI – JOURNEY-TO-WORK SUPPLEMENT – Continued**

CHECK ITEM Z

*(See Check Item J, part (3), page 22)*
[ ] Reference person moved here during the past 12 months – *Read the introduction below and ask 118*
[ ] Reference person did not move here during the past 12 months – *Go to next worker or if last worker, go to Check Item AA, page 47*

INTRODUCTION ➡ The following questions are concerned with how . . . *(Reference person)* usually traveled to work while living at his (her) previous residence.

118. Did . . . *(Reference person)* have a job while living at his (her) previous residence?

(779) 1 [ ] Yes
2 [ ] No – *Go to INTERVIEWER INSTRUCTION below*

119. At the time . . . *(Reference person)* lived in his (her) previous residence, was . . . *(Reference person's)* usual place of work the same as it is now?

(780) 1 [ ] Yes
2 [ ] No

120. What was . . .'s *(Reference person)* principal means of transportation to work?

(781)
1 [ ] Car
2 [ ] Truck
3 [ ] Van

(782)
1 [ ] Drove alone
2 [ ] Carpool
3 [ ] Bus or streetcar
4 [ ] Subway or elevated
5 [ ] Railroad
6 [ ] Taxicab
7 [ ] Motorcycle or moped
8 [ ] Bicycle
9 [ ] Other type of vehicle
10 [ ] Walked only
11 [ ] Worked at home – *Go to INTERVIEWER INSTRUCTION below*

121. Did . . . *(Reference person)* usually report to the same location to begin work each day?

(783) 1 [ ] Yes
2 [ ] No – *Go to INTERVIEWER INSTRUCTION below*

122. How many minutes did it usually take . . . *(Reference person)* to get from home to work?

(784) _____ Minutes

123. How many miles did . . . *(Reference person)* travel from home to work?

(785) _____ Miles
OR
0 [ ] Less than 1 mile

INTERVIEWER INSTRUCTION ➡ Go to next worker or if last worker, go to Check Item AA, page 47

NOTES

FORM AHS-2 (2-6-81)

# Facsimile of the Annual Housing Survey Questionnaire: 1981—Continued

## Section XII – INTERVIEWER OBSERVATION ITEMS

**CHECK ITEM AA**

(See item 8, page 1)
- ☐ Regular, URE, or Vacant – *Go to item 124*
- ☐ Noninterview

(See cc 40d and 41)

Noninterview
- ☐ Type A or Type B – *Go to item 124*
- ☐ Type C – *Enclose completed AHS-397 and END INTERVIEW*

*OBSERVATION*
124. Are there abandoned buildings on this street?
(638)
1 ☐ Yes, one
2 ☐ Yes, more than one
3 ☐ No

*OBSERVATION*
125. What is the condition of streets and roads in this neighborhood?
(639)
1 ☐ No repairs needed
2 ☐ Minor repairs needed
3 ☐ Major repairs needed

*OBSERVATION*
126. Is there trash, litter, or junk in the streets (roads), or on empty lots, or on properties in this neighborhood?
(640)
1 ☐ None
2 ☐ Minor accumulation
3 ☐ Moderate accumulation
4 ☐ Heavy accumulation

**CHECK ITEM BB**

(See item 8, page 1)
- ☐ Interview (Regular, URE or Vacant box marked) – *Fill item 127a*
- ☐ Noninterview

(See Control Card items 40d and 41)
- ☐ Type A – END INTERVIEW
- ☐ Type B – Enclose completed AHS-397 and END INTERVIEW

127a. Was this interview conducted by personal visit or telephone?
(790)
1 ☐ Personal visit – *Fill item 127b*
2 ☐ Telephone – *Skip to Check Item CC*

b. Why was a personal interview conducted for this unit?
(791)
1 ☐ Unit in panel 2, 3, 4, 5, or 6
☐ Unit in panel 1 AND
2 ☐ Unit is in sample for first time this enumeration period
3 ☐ Unit was a noninterview last enumeration period
4 ☐ Unit in a TA special place
5 ☐ Unit was vacant last enumeration period and now is occupied
6 ☐ Replacement household discovered
7 ☐ Address contacted is not exact address entered in control card item 5a (or label)
8 ☐ No one answered repeated calls at different times of day and evening
9 ☐ Wrong telephone number
10 ☐ No telephone number recorded in control card item 38b
11 ☐ Refused telephone interview
12 ☐ Other – *Specify* _____

**CHECK ITEM CC**

(See item 8, page 1)
- ☐ Regular or URE – *Go to Control Card item 38a*
- ☐ Vacant – *Go to Control Card item 39*



~ PGM 9 ↓

## Section XIII – CINCH TRANSCRIPTION (Transcribe from AHS-400)

**CHECK ITEM DD**

Part 1
(792)
1 ☐ AHS-400 NOT received for this segment – *END TRANSCRIPTION*
☐ AHS-400 received for this segment – *Go to part 2 below*

Part 2
☐ Still one unit at ORIGINAL sample unit address or unit is a Type B in current year } *Go to part 3 below*
2 ☐ Different number of units at original sample unit address or unit is a Type C in current year – *Skip to item 128*
3 ☐ Unit not associated with original sample unit address – *END TRANSCRIPTION*

Part 3
4 ☐ 1981 serial number same as 1973 serial number – *END TRANSCRIPTION*
5 ☐ 1981 serial number different from 1973 serial number – *Skip to item 129*

128. Enter year of change (from column (4) of the AHS-400).
(793)
1 ☐ 1981
2 ☐ 1979–1980
3 ☐ 1976–1978
4 ☐ 1974–1975
5 ☐ 1973 or earlier
} *END TRANSCRIPTION*

129. Enter 1973 serial number (from column (2) of AHS-400).
1973 Serial No.
(794) ☐☐ *END TRANSCRIPTION*

**OFFICE USE ONLY**

| a. | b. | c. | d. | e. |
|---|---|---|---|---|
| (795) ☐☐☐ | (796) ☐☐ | (797) ☐☐ | (798) 1 ☐ Yes 2 ☐ No | (799) ☐☐☐ ☐☐☐ |

NOTES


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# Appendix B

## Source and Reliability of the Estimates


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## SAMPLE DESIGN

The 1981 estimates are based on data collected from September 1981 through December 1981 for the Annual Housing Survey (AHS), which was conducted by the Bureau of the Census, acting as collection agent for the Department of Housing and Urban Development. The sample for this survey was spread over 461 sample areas (called primary sampling units), comprising 923 counties and independent cities with coverage in each of the 50 States and the District of Columbia.

Approximately 56,800 sample housing units (both occupied and vacant) were eligible for interview in the 1981 Annual Housing Survey. Of this number, 3,200 interviews were classified as "noninterview" for various reasons. Occupied housing units were classified as "noninterview" mainly because the occupants refused to be interviewed after repeated calls. For vacant housing units, interviews were not obtained because an informed respondent was not found after repeated visits. In addition to the 56,800 eligible housing units, there were also 3,600 sample units which were visited but were ineligible for interview for the AHS in terms of collecting information relevant to the 1981 housing inventory.

**Selection of sample areas**—The United States was divided into areas made up of counties and independent cities referred to as primary sampling units (PSU's). These PSU's were then grouped into 376 strata, 156 of which consisted of only one PSU which was in sample with certainty. These 156 strata were mostly the larger SMSA's and were called self-representing (SR) since the sample from the sample area represented just that PSU. Each one of the other 220 strata consisted of a group of PSU's and were referred to as non-self-representing (NSR), since the sample of housing units from the sample PSU in a stratum represented the other PSU's in the stratum as well.

One PSU was selected from each NSR stratum with probability proportionate to the 1970 census population of the PSU. (This resulted in 220 NSR sample PSU's.) In addition, the NSR strata were grouped into 110 pairs and one stratum was picked at random from each pair. From this stratum, an additional PSU was selected independently of the other PSU selected from this stratum. Since the two PSU's were independently selected, it was possible for the same PSU to be selected twice. This occurred in 25 instances, producing an additional 85 NSR sample PSU's, thus giving a grand total of 461 PSU's.

**Designation of sample housing units for the 1981 survey**—The sample housing units designated to be interviewed in the 1981 survey consisted of the following categories, which are described in detail in succeeding sections.

1. All sample housing units that were interviewed in the 1980 survey (which included all sample housing units that were selected as part of the 1976 Coverage Improvement Program) and were not part of the 1981 sample reduction.

2. All sample housing units that were either type A noninterviews (i.e., units eligible to be interviewed) or type B noninterviews (i.e., units not eligible for interview at the time of survey but which could become eligible in the future) in the 1980 survey. (For a list of reasons for type A and type B noninterviews, see the facsimile of the 1981 AHS questionnaire, page App-21).
3. All sample housing units that were selected from the list of building permits issued since the 1980 survey. (This sample represented the housing units built in permit-issuing areas, since the 1980 survey.)
4. Housing units added as the result of the updated listings in selected areas which do not issue building permits.

**Selection of the 1973 sample housing units**—The overall sampling rate used to select the sample for the 1973 AHS was about 1 in 1,366. The within-PSU sampling rate for the AHS was determined so that the overall probability of selection for each sample housing unit was the same (e.g., if the probability of selecting a NSR PSU was 1 in 10, then the within-PSU sampling rate would be 1 in 136.6).

Within the sample PSU's, a sample of the housing units enumerated in the 1970 Census of Population and Housing was selected for the AHS. In addition, a sample of new construction building permits was also selected to represent the units constructed since the 1970 census. These samples were selected at about twice the rate mentioned previously (i.e., at 2 in 1,366), thereby producing a sample twice as large as needed. This sample was split into two equal-sized samples—one to be used for the AHS, and one to be held in reserve for possible future use for the AHS. The procedure used to split this sample into equal-sized samples is described in the next section.

The sample of 1970 census units was selected in several stages. Within the sample PSU's, the first step was the selection of a sample of census enumeration districts (ED's), administrative units used in the 1970 census. The probability of selection for an ED was proportional to the following 1970 census counts of housing units (HU's) and persons in group quarters, combined in the following formula:

$$\frac{\text{Number of HU's in the ED} + \dfrac{\text{Number of group quarters persons in the ED}}{3}}{4}$$

The next step was to select an expected cluster of about four neighboring housing units within each sample ED. For most of the ED's, the selection was accomplished using the list of addresses for the ED as compiled in the 1970 census. (These ED's are referred to as address ED's.) However, in those ED's where addresses were incomplete or inadequate (mostly rural areas), the selection process was accomplished using area sampling methods. These ED's were divided into segments (i.e., small land areas with well-defined boundaries, having an expected size of four, or a multiple of four, housing units) and a segment was selected. Those selected segments with an expected size which was a multiple of four were further subsampled at the time of interview so that an expected four housing units were chosen for interview.

The sample of new construction housing units was selected from building permits issued since January 1970. Within each sample PSU, the building permits were chronologically ordered by month issued, and compact clusters of approximately four housing units were created. These clusters were then sampled at the rate of 2 in 1,366. Housing units constructed since the 1970 census in areas which do not issue building permits were brought into the sample as a result of the area sample described.

**Splitting of the sample**—The described sample selection procedure produced clusters (or segments) of size-four housing units for the sample taken from the census address frame, the new construction frame, and the area sampling frame (mainly rural areas). Clusters of this size should result in a minimum loss in precision for estimates of housing characteristics in rural areas because of the heterogeneity of neighboring units. However, clusters of size-two housing units were considered to be more optimum within those areas where the housing characteristics of neighboring units tend to be very similar (i.e., urban areas and new construction units). A splitting operation was then carried out for clusters selected from the census address and the new construction frames. This consisted of halving each sample cluster from these frames. Thus, two housing units from each of these clusters were included in the survey and two housing units were held in reserve. No splitting operation was carried out within the clusters selected from the area sampling frame; every other area sample cluster of four housing units was used for the survey and the remaining clusters were assigned to the reserve sample.

**CEN-SUP sample**—Housing units at addresses missed in the census or inadequately described in the 1970 census address register did not have a chance of being selected for the AHS sample in address ED's. Consequently, a special operation was undertaken to develop a separate sample, called the census supplemental (CEN-SUP) sample to represent these units. Due to time constraints on this operation, only about 40 percent of the CEN-SUP units were ready to be interviewed in 1973. The rest were interviewed for the first time in the 1974 AHS.

**Selection of supplemental sample housing units in rural areas**—In 1974, it was decided to increase the reliability of the AHS estimates of rural housing characteristics by doubling the number of sample housing units from rural areas. This was accomplished by reactivating the reserve sample, selected in the original sampling operations in 1973, from rural areas only. For the reserve sample selected in census address and new construction frames, the other half of each rural cluster (an expected two housing units) was reactivated in 1974. Similarly, for the area sampling frame, the entire reserve cluster (an expected four housing units) was reactivated in 1974 if the cluster was rural. This supplementation increased the overall probability of selection for sample housing units in rural areas to about 2 in 1,366; whereas, the overall probability of selection for sample housing units in urban areas remained at 1 in 1,366.

**Selection of sample housing units for the 1976 Coverage Improvement Program**—The 1976 Coverage Improvement Pro-

gram was undertaken to correct certain deficiencies in the AHS national sample from the census address and new construction frames. The coverage deficiencies included the following types of housing units:

1. New construction housing units from building permits issued prior to January 1970 for which construction had not been completed at the time of the 1970 census.
2. Housing units converted to residential use in structures totally nonresidential at the time of the 1970 census.
3. Houses that have been moved onto their present site since the 1970 census.
4. Mobile homes and trailers placed in parks either missed in the 1970 census or established since the 1970 census.
5. Mobile homes and trailers placed outside parks since the 1970 census or vacant at the time of the 1970 census.

A sample of new construction housing units whose permits were issued before January 1970 was selected in two stages. First, units whose permits were issued before January 1970, but which were completed after the census, were identified from the Survey of Construction (SOC), a survey of building permits conducted monthly by the Bureau of the Census. Second, these units were then sampled so that the overall probability of selection was about 1 in 1,320.

A sample of mobile homes and trailers placed in parks missed by the census or established after the census was also selected in two stages. During the first stage, a list of mobile home parks was obtained from commercial listings. This list was then supplemented by additional parks identified by a canvassing operation similar to that performed in ED's where area sampling methods are used. The second stage consisted of dividing the parks into clusters of an expected size of four sites. These clusters were then sampled so that the overall probability of selection was about 1 in 1,366.

For the remaining housing units (i.e., mobile homes and trailers placed outside parks since the 1970 census, mobile homes and trailers vacant at the time of the 1970 census, units converted from nonresidential to residential use since the 1970 census, and houses that had been moved onto their present site since the 1970 census), the sampling was done in three stages. First, a subsample of the regular AHS sample housing units from the census address frame was selected. Second, succeeding structures that had been eligible to be selected from the census address frame were then listed until eight structures (excluding mobile home parks) were found. Finally, the intervening structures that had been listed which did not have a chance of selection in the AHS were identified and the units within these structures were interviewed.

**1977 and 1981 sample reductions**—By 1977, the addition to the sample, primarily from new construction and the coverage improvements, had increased the total sample size (interviews plus noninterviews) to about 81,000 housing units. The sample was reduced by about 7 percent to approximately 75,000 in 1977. This reduction did not include any CEN-SUP units or units which were selected as part of the 1976 Coverage Improvement Program. Initially, the sample was further reduced in 1981 by about 5 percent. Subsequently, the rural sample was reduced by about, 25 percent in 125 "large" SMSA's[1] and by about 50 percent in "small" SMSA's[1] and outside the SMSA's. These reductions brought the sample size down to approximately 60,000 housing units in 1981.

**Supplemental sample from nonresidential conversions**—The purpose of this sample was to improve the coverage in address ED's (i.e., ED's in which 1970 census address listings were used for selecting the AHS sample) of housing units created in structures that were completely nonresidential at the time of the 1970 census. This sample was derived from listings created for the Commercial Victimization Survey (CVS), a nationally representative area sample survey conducted by the Census Bureau for the Department of Justice. Each of the CVS area segments was initially canvassed either in 1972 or 1975 and eligible business establishments were listed. These listings were updated every 6 months with the last updating in the last half of 1977. Each basic address containing a business establishment listed for CVS was visted for the 1980 Components of Inventory Change Survey (CINCH), which was conducted in conjunction with the 1980 AHS, to identify HU's in structures which were completely nonresidential at the time of the 1970 census. These cases were later matched to the 1970 census address listings to identify those cases in address ED's and as an additional check to see if housing units existed in these structures at the time of the 1970 census. Due to the timing restraints associated with these operations, these cases were not included for the 1980 AHS but were included for the 1981 survey.

**1981 telephone interviewing experiment**—A large scale telephone interviewing experiment was conducted in conjunction with the 1981 AHS national sample in order to provide more definitive information about the effect of telephone interviewing on the AHS data and cost. A random sample of about 12,500 AHS national sample units was selected for the experiment. Among the cases assigned for telephone interviewing, only those sample housing units that had been interviewed in 1980 and had a telephone number available were eligible to be interviewed by telephone. Since a large portion of the total AHS national sample was assigned for telephone interviewing, its possible effect on the data is mentioned in the section "Reliability of the Estimates" of this appendix.

## ESTIMATION

In 1981, the AHS estimates employed a three-stage ratio estimation procedure. However, prior to implementation of the procedure, the basic weight (i.e., the inverse of the probability of selection) was adjusted to account for the type A noninterview housing units encountered in the AHS. This noninterview adjustment was done separately for occupied and vacant units. The noninterview adjustment was equal to the following ratio:

$$\frac{\text{Interviewed housing units + Noninterviewed housing units}}{\text{Interviewed housing units}}$$

[1] A "large" SMSA is one with a 1970 population of 250,000 persons or more and a "small" SMSA is one with a 1970 population of less than 250,000 persons.

The first-stage ratio estimation procedure was employed for sample housing units from non-self-representing (NSR) PSU's only. This procedure was designed to reduce the contribution to the variance arising from the sampling of PSU's. The first-stage ratio estimation procedure takes into account the differences that existed at the time of the 1970 census in the distribution by tenure and residence of the housing population estimated from the sample NSR PSU's and that of the NSR housing population in each of the four census regions of the country.

The first-stage ratio estimation factor for each specified category was as follows:

$$\frac{\text{The 1970 census housing population in the residence-tenure category for all NSR strata in a census region}}{\text{Estimate of the housing population category using 1970 census housing counts for sample NSR PSU's in a census region}}$$

The numerators of the ratios were calculated by obtaining the 1970 census housing counts for each of the residence-tenure categories for each NSR stratum and summing these counts across the NSR strata in each census region. The denominators were calculated by obtaining the 1970 census housing counts for each of the residence-tenure categories for each NSR sample PSU, weighting these counts by the inverse of the probability of selecting that PSU, and summing these weighted counts across the NSR sample PSU's in each census region. The computed first-stage ratio estimation factor was then applied to the existing weight for each NSR sample unit in each first-stage ratio estimation category.

The second-stage ratio estimation procedure was designed to adjust the AHS sample estimate of conventional new construction housing units, i.e., sample units built April 1, 1970, or later, to independently derived current estimates where a known deficiency in the AHS sample exists (see the section on nonsampling error) for each of the four regions. These estimates were considered to be the best estimates available for the number of conventional new construction units in these categories.

The second-stage ratio estimation factor was as follows:

$$\frac{\text{Current best estimate of new construction in the category}}{\text{AHS sample estimate of new construction units in the category}}$$

The numerators of the ratios were derived from data based on the Survey of Construction (SOC). The denominators of the ratios were obtained from the weighted estimates for the AHS sample units using the existing weight after the first-stage ratio estimates procedure. The computed second-stage ratio estimation factor was then applied to the existing weight for each sample unit in each second-stage ratio estimation category.

The third-stage ratio estimation procedure was employed for all the AHS sample units. This procedure was designed to adjust the AHS sample estimates of housing (i.e., the estimates employing the noninterview, first-stage, and second-stage adjustments) to current vacant housing estimates for 4 categories of vacant housing units and to independently derived current housing estimates for 24 categories of occupied housing units. Each of these categories is a combination of the characteristics of residence, tenure, race of householder, and sex of householder.

The third-stage ratio estimation factor for each specified category was as follows:

$$\frac{\text{Current independent estimate of housing units in the category}}{\text{AHS sample estimate of housing units in the category}}$$

The numerators of the ratios for occupied housing units were derived from data based on the Current Population Survey (CPS), a sample household survey conducted monthly by the Bureau of the Census. This is the first time that CPS household estimates based on the 1980 census were used as the independent controls in this adjustment rather than the 1970 census-based controls. The 1970-based estimates were about 2 percent smaller than the 1980-based estimates. This difference should be taken into consideration when comparing the 1981 AHS estimates to the AHS estimates for 1980 or earlier years. The numerators of the ratios for vacant housing units were derived from data based on the Housing Vacancy Survey (HVS), a quarterly vacancy survey also conducted by the Bureau of the Census. The denominators of the ratios were obtained from the weighted estimates for the AHS sample units, using the existing weight after the second-stage ratio estimation procedure. The computer third-stage ratio estimation factor was then applied to the existing weight for each sample unit in each third-stage ratio estimation category.

The second-stage and the third-stage ratio estimation procedures were iterated in order to bring the AHS estimates into close agreement with both sets of independent estimates. The second stage was modified so that the estimates for all 27 categories of new construction would be identical to the estimates before the third stage. Hence, the repeated second stage had the effect of controlling the AHS sample estimates of new construction units to the unbiased sample estimates for 9 categories of new construction mobile homes and trailers for each of the four regions and of adjusting the AHS sample estimate of 18 categories of conventional new construction units to the independently derived current estimates.

The numerators were either the unbiased weighted estimates for the AHS sample housing units, using the existing weight after the first-stage ratio estimation procedure (i.e., the estimates employing the noninterview and first-stage adjustments) or the independent estimate derived from data based on the Survey of Construction (SOC).

The denominators of the ratios in this iterative process were obtained from the weighted estimates for the AHS sample units after the previous stage of ratio estimation. The factors resulting from this iterative process were then applied to the existing weight on the appropriate records, and the resulting product was used as the final weight for tabulation.

The third-stage ratio estimation procedure, as well as the overall estimation procedure, reduced the sampling error for most statistics below what would have been obtained by simply weighting the results of the sample by the inverse of the probability of selection. The distribution of the housing population selected for the sample differed somewhat, by chance, from that of the Nation as a whole in such basic housing

characteristics as tenure, vacancy status, residence, race of householder, and sex of householder. These characteristics are probably closely correlated with other housing characteristics measured for the AHS. Therefore, through the use of the three-stage ratio estimation procedure one can expect the sample estimate to be improved substantially.

## RELIABILITY OF THE ESTIMATES

There are two types of possible errors associated with estimates based on data from sample surveys—sampling and nonsampling errors. The following is a description of the sampling and nonsampling errors associated with the AHS national sample.

**Sampling errors**—The particular sample used for this survey is one of a large number of possible samples of the same size that could have been selected using the same sample design. Even if the same questionnaires, instructions, and interviewers were used, estimates from each of the different samples would differ from each other. The variability between estimates from all possible samples is defined as sampling error. One common measure of sampling error is the standard error which measures the precision with which an estimate from a sample approximates the average result of all possible samples. In addition, the standard error, as calculated for this report, also partially reflects the variation in the estimates due to some nonsampling errors, but it does not measure, as such, any systematic biases in the data. Therefore, the accuracy of the estimates depends on both the sampling and nonsampling errors, measured by the standard error, and biases and some additional nonsampling errors not measured by the standard error.

The sample estimate and its estimated standard error enable one to construct interval estimates so that the interval includes the average result of all possible samples with a known probability. For example, if all possible samples were selected, and each of these samples was surveyed under essentially the same general conditions and an estimate and its estimated standard error were calculated for each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.
3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples.

The average result of all possible samples either is or is not contained in any particular computed interval. However, for a particular sample one can say with specified confidence that the average result of all possible samples is included in the constructed interval.

The figures presented in the tables (pages App-53 and App-54) of this appendix are approximations to the standard errors of various estimates shown in this report. In order to derive standard errors that would be applicable to a wide variety of items and also could be prepared at a moderate cost, a number of approximations were required. As a result, the tables of standard errors provide an indication of the order of magnitude of the standard errors rather than the precise standard error for any specific item.

**Standard errors of estimates of levels**—Tables I and II present the standard errors applicable to the 1981 national and regional housing inventory estimates in this report. Linear interpolation should be used to determine standard errors for levels of estimates not specifically shown in tables I and II.

**Standard errors of estimates of percentages**—The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more. Tables III and IV present the standard errors for estimated percentages.

Included in tables I through IV are estimates of standard errors for estimates of zero and zero percent. These estimates of standard errors are considered to be overestimates of the true standard errors and should be used primarily for construction of confidence intervals for characteristics when an estimate of zero is obtained.

**Standard errors of ratios**—For ratios of the form (100) (x/y), where x is not a subclass of y, tables III and IV underestimate the standard error of the ratio when there is little or no correlation between x and y. For this type of ratio, a better approximation of the standard error may be obtained by letting the standard error of the ratio be approximately equal to:

$$(100)\left(\frac{x}{y}\right)\sqrt{\left(\frac{\sigma_x}{x}\right)^2 + \left(\frac{\sigma_y}{y}\right)^2}$$

where: $x$ = the numerator of the ratio
$y$ = the denominator of the ratio
$\sigma_x$ = the standard error of the numerator
$\sigma_y$ = the standard error of the denominator

*Illustration of the use of the standard error tables. Illustration I*—Table A-1 of this report shows that in the United States there were 28,833,000 renter-occupied housing units in 1981. Interpolation in the standard error table I shows that the standard error of an estimate of this size is approximately 211,000. The following interpolating procedure was used.

The information presented in the following table was extracted from standard error table I. The entry for "x" is the one sought.

| Size of estimate (000) | Standard error (000) |
|---|---|
| 25,000 | 207 |
| 28,833 | x |
| 50,000 | 231 |

By vertically interpolating between 207 and 231, the entry for "x" is determined to be 211.

$$28{,}833-25{,}000 = 3{,}833$$
$$50{,}000-25{,}000 = 25{,}000$$

$$207 + \frac{3{,}833}{25{,}000}(231-207) = 211$$

Consequently, the 68-percent confidence interval, as shown by these data, is from 28,622,000 to 29,044,000 housing units. Therefore, a conclusion that the average estimate of 1981 housing units of this type lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Similarly, we could conclude that the average estimate, derived from all possible samples, lies within the interval from 28,495,000 to 29,171,000 housing units with 90 percent confidence; and that the average estimate lies within the interval from 28,411,000 to 29,255,000 housing units with 95-percent confidence.

Table A-1 also shows that of the 28,833,000 renter-occupied housing units in 1981, 15,287,000, or 53.0 percent, heat with utility gas. Interpolation in standard error table III (i.e., interpolation on both the base and percent) shows that the standard error of the above percentage is 0.5 percentage points. The following interpolating procedure was used.

The information presented in the following table was extracted from standard error table III. The entry for "p" is the one sought.

| Base of percentage (000) | Estimated percentage | | |
|---|---|---|---|
| | 75 | 53.0 | 50 |
| 25,000 | 0.4 | a | 0.5 |
| 28,833 | | p | |
| 50,000 | 0.3 | b | 0.3 |

1. By horizontal interpolation between 0.5 and 0.4, the entry for cell "a" is determined to be 0.5.

$$53.0-50.0 = 3.0$$
$$75.0-50.0 = 25.0$$

$$0.5 + \frac{3.0}{25.0}(0.4-0.5) = 0.5$$

2. By horizontal interpolation between 0.3 and 0.3, using the same procedure as in step 1, the entry for cell "b" is determined to be 0.3.
3. By vertical interpolation between 0.5 and 0.3, using the same procedure as in step 1, the entry for "p" is determined to be 0.5.

Consequently, the 68-percent confidence interval, as shown by these data, is from 52.5 to 53.5 percent; the 90-percent confidence interval is from 52.2 to 53.8 percent; and the 95-percent confidence interval is from 52.0 to 54.0 percent.

*Illustration II*—Table E-1 of this report shows that in all occupied housing units of the West Region in 1981 there were 9,765,000 owner-occupied housing units. Interpolation in standard error table II shows that the standard error of an estimate of this size is approximately 229,000. Consequently, the 68-percent confidence interval is from 9,536,000 to 9,994,000 housing units. Therefore, a conclusion that the average estimate, derived from all possible samples, of 1981 owner-occupied housing units in the West Region lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Similarly, we could conclude that the average estimate, derived from all possible samples, lies with the interval from 9,399,000 to 10,131,000 housing units with 90 percent confidence; and that the average estimate lies within the interval from 9,307,000 to 10,223,000 housing units with 95 percent confidence.

Table E-I also shows that of the 9,765,000 owner-occupied housing units in the West Region, 2,540,000 or 26.0 percent, have a central air-conditioning system. Interpolation in standard error table IV (i.e., interpolation on both the base and the percent) shows that the standard error of the above percentage is 0.8 percentage points. Consequently, the 68-percent confidence interval, as shown by these data, is from 25.2 to 26.8 percent; the 90-percent confidence interval is from 24.7 to 27.3 percent; and the 95-percent confidence interval is from 24.4 to 27.6 percent.

*Differences*—The standard errors shown are not directly applicable to differences between two sample estimates. The standard error of a difference between estimates is approximately equal to the square root of the sum of the squares of the standard errors of each estimate considered separately. This formula is quite accurate for the difference between separate and uncorrelated characteristics in the same area. If there is a high positive correlation between the two characteristics, the formula will overestimate the true error; if there is a high negative correlation, the formula will underestimate the true standard error.

*Illustration of the computation of the standard error of a difference*—Table A-1 of this report shows that of all renter-occupied housing units in the United States there were 6,354,000 units which heated with electricity. Thus, the apparent difference between the number of 1981 renter-occupied units which heated with utility gas and those which heated with electricity is 8,933,000. Interpolation in standard error table I shows that the standard error of 15,287,000 is approximately

167,000 and that the standard error on an estimate of 6,354,000 is approximately 117,000. Therefore, the standard error of the estimated difference of 8,933,000 is about:

$$204{,}000 = \sqrt{(167{,}000)^2 + (117{,}000)^2}$$

Consequently, the 68-percent confidence interval for the 8,933,000 difference is from 8,729,000 to 9,137,000 housing units. Therefore, a conclustion that the average estimate of this difference, derived from all possible samples, lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Similarly, the 90-percent confidence interval is from 8,607,000 to 9,259,000 housing units, and the 95-percent confidence interval is from 8,525,000 to 9,341,000. Thus, we can conclude with 95-percent confidence that the number of 1981 renter-occupied units which heated with utility gas is greater than the number which heated with electricity.

*Medians*—For the medians presented in certain tables, the sampling error depends on the size of the base and on the distribution upon which the median is based. An approximate method for measuring the reliability of the estimated median is to determine an interval about the estimated median so that there is a stated degree of confidence that the average median from all possible samples lies within the interval. The following procedure may be used to estimate confidence limits of a median based on sample data:

1. From the appropriate standard error table determine the standard error of a 50-percent characteristic on the base of the median.
2. Add to and subtract from 50 percent the standard error determined in step 1.
3. Using the distribution of the characteristic, read off the confidence interval corresponding to the two points established in step 2.

For about 68 out of 100 possible samples, the average median from possible samples would lie between these two values.

A two-standard-error confidence interval may be determined by finding the values corresponding to 50 percent plus and minus twice the standard error determined in step 1. For about 95 out of 100 possible samples, the average median from all possible samples would lie between these two values.

*Illustration of the computation of the 95-percent confidence interval for a median*—Table A-2 of this report shows the median income of families and primary individuals in specified owner-occupied housing units was $23,200 in 1981. The base of the distribution, from which this median was determined is 43,293,000 housing units.

1. From standard error table III, the standard error of a 50-percent characteristic on the base of 43,293,000 is 0.4 percentage points.
2. To obtain a two-standard-error confidence interval on the estimated median, add to and subtract from 50 percent twice the standard error determined in step 1. This yields percentage limits of 49.2 and 50.8.
3. From table A-2, it can be seen by cumulating the frequencies for the first 5 categories that 18,227,000 owner-occupied housing units, or 42.1 percent, had income less than $20,000 and that an additional 5,351,000 specified owner-occupied housing units, or 12.4 percent, had income from $20,000 to less than $25,000. By linear interpolation, the lower limit of the 95-percent confidence interval is found to be about:

$$\$20{,}000 + (\$25{,}000 - \$20{,}000)\,\frac{(49.2 - 42.1)}{12.4} = \$22{,}900$$

Similarly, the upper limit of the 95-percent confidence interval is found to be about:

$$\$20{,}000 + (\$25{,}000 - \$20{,}000)\,\frac{(50.8 - 42.1)}{12.4} = \$23{,}500$$

Thus, the 95-percent confidence interval ranges from $22,900 to $23,500.

**Nonsampling errors**—In general, nonsampling errors can be attributed to many sources: Inability to obtain information about all cases; definitional difficulties; differences in the interpretation of questions; inability or unwillingness to provide correct information on the part of respondents; mistakes in recording or coding the data; and other errors of collection, response, processing, coverage, and estimation for missing data. Nonsampling errors are not unique to sample surveys since they can, and do, occur in complete censuses as well.

Obtaining a measurement of the total nonsampling error associated with the estimates from a survey is very difficult, considering the number of possible sources of error. However, an attempt was made to measure some of the nonsampling errors associated with the estimates for the 1981 AHS national sample.

**Reinterview program**—For the AHS national sample, a study was conducted to obtain a measurement of some of the components of the nonsampling error associated with the AHS estimates. A reinterview program was conducted for a subsample of the AHS households. These households were revisited and answers to some of the questions on the AHS questionnaire were obtained again. The original interview and the reinterview were assumed to be two independent readings and thus were the basis for the measurement of the "content" error of these AHS estimates.

As part of the reinterview, an additional check was carried out for interviewer evaluation and quality control. This check was made at each of these households to determine if the following were done during the original interview.

1. The correct housing unit was visited.
2. The correct number of housing units were interviewed at that address.
3. The correct information on "Year Built" was obtained.
4. The correct information on "Tenure" was obtained.
5. The correct information on "Household Composition" was obtained.

6. The correct information on "Type of Housing Unit" was obtained.
7. The correct information on "Occupancy Status" was obtained.

The results of the 1981 and 1980 reinterview studies were not available at the time of publication. In addition, the 1979 reinterview was carried out as an interviewer quality control only. Thus, the results of the 1977 and 1978 reinterview studies which were presented in the Census Bureau memoranda, "Reinterview Results for the Annual Housing Survey—National Sample 1977" and "Reinterview Results for the Annual Housing Survey—National Sample 1978" are presented here.

In 1978, a substantial portion of the reinterview questionnaire was devoted to testing the new questions 1 through 7 (parts a and b). The questions (part a), which were asked only at housing units interviewed in the previous year, determined whether there had been a change since last year in selected nonattitudinal items. If a change had been recorded or the respondent did not know if a change had occurred, part b of the question, which collects the value of the item, was asked. The reinterviewers asked these items using the questions as formatted in 1977. Comparing the responses from the differently formatted questions, the 1978 reinterview found that 80 percent of the questions showed low levels of inconsistency with the remainder showing moderate levels.

The 1977 reinterview program showed moderate to high levels of inconsistency with about 21 percent of the nonattitudinal and 56 percent of the attitudinal items showing high levels of inconsistency. A large portion (43 percent) of the nonadditudinal items showed a low level of inconsistency. Moderate levels indicate that there are some problems with inconsistent reporting and high levels indicate that improvements are needed in the data collection methods or that the category concepts themselves are ambiguous.

Cross-tabulations involving those items, which are subject to substantial levels of inconsistency may be subject to a large distortion as a consequence of the associated high level of response variance, and thus, are considered to be less reliable than comparable cross-tabulations which do not involve these data. As a consequence, the tables in this report, which contain such cross-tabulations, have been footnoted with a cautionary statement.

The 1970 census reinterview results provide illustrations of possible nonsampling errors for some of the items which also appear in the AHS. For example, median value of homes was consistently underestimated by about 5 percent, and the average monthly cost of electricity and utility gas were consistently overestimated although the net effect on average gross rent was fairly small.

A possible explanation for the results of the AHS and census reinterview studies, as well as the surveys themselves, is that the respondents may lack precise information. Also, because the results of the reinterview studies are derived from sample surveys, there is sampling error associated with these estimates of nonsampling error. Therefore, the possibility of such errors should be taken into account when considering the results of these studies.

**Coverage errors**—A deficiency in the representation of conventional new construction (non-mobile home or trailer) for the AHS new construction sample (mentioned previously in the section on estimation) is an example of coverage errors. During the sampling of building permits, only those issued more than 4 months before the survey began were eligible to be selected to represent conventional new construction. Due to time constraint it is not possible to sample units whose permits are issued less than 4 months in advance of the survey.

It is estimated that the 1981 AHS sample missed about 0.8 percent (i.e., about 157,000 units) of conventional housing units built after April 1970 because the permits for these units, which were built before October 1981, were issued less than 4 months in advance of the survey. The second-stage ratio estimation procedure was employed to reduce the effect of this deficiency although some bias in the AHS estimates of conventional new construction probably still exists. Review of the second-stage ratio estimation procedure indicates that we have consistently overcompensated for this deficiency every year since 1975 by ratio adjusting the new construction to counts of new construction for the end of the interview period, which has been December or January, instead of October. This overcompensation may inflate the new construction counts by 100,000 to 300,000 units.

Changing this procedure to correct for this overcompensation would reduce the estimate of housing units built since the last survey since it would be based on a 10-month time period rather than 12 months. Thus, it was decided not to change this procedure so that the estimate of housing units built since the last survey would be consistent with previous years' estimates, which are generally based on a 12-month time period.

In addition, the 1976 Coverage Improvement Program had certain deficiencies. First, when the canvassing was done to identify mobile homes and trailer parks that were not in the same sample frame or not on the commercial lists, only 92 percent of the census address frame ED's were represented. Second, it appears that the listing procedure (used to find mobile homes and trailers placed outside parks, units converted from nonresidential to residential, and houses that had been moved onto their present site) was not very efficient for finding nonresidential conversions (which might be primarily in business districts), since the listing procedure started from a residential unit. (The sample estimate of this component was approximately 16,000 housing units with a standard error of 12,000.)

Finally, it is felt that deficiencies also exist in ED's where area sampling methods are used. As before, it had been assumed that all housing units located inside these ED's would be represented in the sample. However, it has been estimated that the 1981 AHS sample missed as much as 2 percent (i.e., as much as 400,000 units) of all housing units in ED's where area sampling methods are used because these units are not listed during the canvassing.

The third-stage of ratio estimation corrects for these deficiencies as far as the total count of housing is concerned, i.e., it adjusts the estimate of the total housing inventory to the best available estimate. However, biases of subtotals would still remain.

**Effects of ratio estimation on the estimates of change**—As stated previously, 1981 was the first AHS for which 1980 census-based estimates, rather than 1970 census-based estimates, were used in the third-stage ratio estimation procedure. Since the 1980-based estimates are about 2 percent higher than the corresponding 1970-based estimates, this will cause estimates of change between the 1981 AHS data and data for 1980 or earlier years to be overstated. This overstatement should be taken into consideration during the analysis of estimates of change.

**Possible effects of telephone interviewing on the data**—A preliminary analysis of the 1981 telephone interviewing experiment has been completed. It has been concluded that data collected, using the telephone interviewing procedures, were not sufficiently different from data collected by regular personal interviews, to preclude basing the 1981 AHS-national sample published data. However, since the percentage of the comparison tests that were significant was slightly above what could be expected by chance, there was some evidence that telephone interviewing may have had an effect on the data. Thus, some caution should be exercised in making comparisons between 1981 AHS data and data from preceding years.

**Rounding errors**—In errors associated with processing, the rounding of estimates introduces another source of error in the data, the severity of which depends on the statistic being measured. The effect of rounding is significant relative to the sampling error only for small percentages, median number of persons, and median number of rooms when these figures are derived from relatively large bases. This means that confidence intervals formed from the standard errors given may be distorted, and this should be taken into account when considering the results of this survey. Also, since medians in this report were computed using unrounded data, instead of the published rounded data, they can differ from medians calculated directly from the published data.

**TABLE I. Standard Errors of Estimated Numbers of National and Regional Housing Units: 1981 (Excluding Estimates of Housing Units for the West Region and of Housing Units With Spanish-Origin Householder)**

(68 chances out of 100)

| Size of estimate (000) | Standard error (000) | | Size of estimate (000) | Standard error (000) | |
|---|---|---|---|---|---|
| | National | Regional | | National | Regional |
| 0 | 2 | 2 | 1,000 | 48 | 47 |
| 5 | 3 | 3 | 2,500 | 76 | 76 |
| 10 | 5 | 5 | 5,000 | 106 | 110 |
| 25 | 8 | 7 | 10,000 | 145 | 164 |
| 50 | 11 | 10 | 25,000 | 207 | 295 |
| 100 | 15 | 15 | 50,000 | 231 | 488 |
| 250 | 24 | 23 | 75,000 | 179 | — |
| 500 | 34 | 33 | | | |

**TABLE II. Standard Errors of Estimated Numbers of Housing Units for the West Region and of Housing Units With Spanish-Origin Householder: 1981**

(68 chances out of 100)

| Size of estimate (000) | Standard error (000) | Size of estimate (000) | Standard error (000) |
|---|---|---|---|
| 0 | 3 | 500 | 38 |
| 5 | 4 | 1,000 | 55 |
| 10 | 5 | 2,500 | 93 |
| 25 | 8 | 5,000 | 144 |
| 50 | 12 | 10,000 | 234 |
| 100 | 17 | 25,000 | 488 |
| 250 | 27 | | |

**TABLE III. Standard Errors of Estimated Percentages of Housing Units: 1981 (Excluding Estimated Percentages of Housing Units for the West Region and of Housing Units With Spanish-Origin Householder)**

(68 chances out of 100)

| Base of percentage (000) | Estimated percentage | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 0 or 100 | 1 or 99 | 2 or 98 | 5 or 95 | 10 or 90 | 15 or 85 | 25 or 75 | 50 |
| 5 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 34.3 |
| 10 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 21.0 | 24.3 |
| 25 | 8.6 | 8.6 | 8.6 | 8.6 | 9.2 | 11.0 | 13.3 | 15.3 |
| 50 | 4.5 | 4.5 | 4.5 | 4.7 | 6.5 | 7.7 | 9.4 | 10.9 |
| 100 | 2.3 | 2.3 | 2.3 | 3.3 | 4.6 | 5.5 | 6.6 | 7.7 |
| 250 | 0.9 | 1.0 | 1.4 | 2.1 | 2.9 | 3.5 | 4.2 | 4.9 |
| 500 | 0.5 | 0.7 | 1.0 | 1.5 | 2.1 | 2.5 | 3.0 | 3.4 |
| 1,000 | 0.2 | 0.5 | 0.7 | 1.1 | 1.5 | 1.7 | 2.1 | 2.4 |
| 2,500 | 0.09 | 0.3 | 0.4 | 0.7 | 0.9 | 1.1 | 1.3 | 1.5 |
| 5,000 | 0.05 | 0.2 | 0.3 | 0.5 | 0.7 | 0.8 | 0.9 | 1.1 |
| 10,000 | 0.02 | 0.15 | 0.2 | 0.3 | 0.5 | 0.5 | 0.7 | 0.8 |
| 25,000 | 0.01 | 0.10 | 0.14 | 0.2 | 0.3 | 0.3 | 0.4 | 0.5 |
| 50,000 | – | 0.07 | 0.10 | 0.15 | 0.2 | 0.2 | 0.3 | 0.3 |
| 75,000 | – | 0.06 | 0.08 | 0.12 | 0.2 | 0.2 | 0.2 | 0.3 |

**TABLE IV. Standard Errors of Estimated Percentages of Housing Units for the West Region and of Housing Units With Spanish-Origin Householder: 1981**

(68 chances out of 100)

| Base of percentage (000) | Estimated percentage | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 0 or 100 | 1 or 99 | 2 or 98 | 5 or 95 | 10 or 90 | 15 or 85 | 25 or 75 | 50 |
| 5 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 37.3 |
| 10 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 22.8 | 26.4 |
| 25 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 11.9 | 14.5 | 16.7 |
| 50 | 5.3 | 5.3 | 5.3 | 5.3 | 7.1 | 8.4 | 10.2 | 11.8 |
| 100 | 2.7 | 2.7 | 2.7 | 3.6 | 5.0 | 6.0 | 7.2 | 8.3 |
| 250 | 1.1 | 1.1 | 1.5 | 2.3 | 3.2 | 3.8 | 4.6 | 5.3 |
| 500 | 0.6 | 0.7 | 1.0 | 1.6 | 2.2 | 2.7 | 3.2 | 3.7 |
| 1,000 | 0.3 | 0.5 | 0.7 | 1.2 | 1.6 | 1.9 | 2.3 | 2.6 |
| 2,500 | 0.11 | 0.3 | 0.5 | 0.7 | 1.0 | 1.2 | 1.4 | 1.7 |
| 5,000 | 0.06 | 0.2 | 0.3 | 0.5 | 0.7 | 0.8 | 1.0 | 1.2 |
| 10,000 | 0.03 | 0.2 | 0.2 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| 25,000 | 0.01 | 0.11 | 0.15 | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 |

# Table Finding Guide, Part F

## Subjects, by Type of Area and Table Number

(This guide lists all subjects covered in this report. Data are shown for owner- and renter-occupied housing units. Tables with the prefix letter "A" are for the United States total, "B" for the Northeast Region, "C" for the North Central Region, "D" for the South Region, and "E" for the West Region)

| Subject | United States/Regions | | | |
|---|---|---|---|---|
| | Inside SMSA's (In/Not in central cities) Outside SMSA's | Income | Value | Gross rent |
| FUELS AND FUEL COSTS<br>House heating fuel<br>Monthly cost paid for electricity<br>Monthly cost paid for utility, bottled, tank, or LP gas<br>Yearly cost paid for fuel oil, kerosene, coal, wood, etc. | A-1,B-1,C-1,D-1,E-1 | A-2,B-2,C-2,D-2,E-2 | A-3,B-3,C-3,D-3,E-3 | A-4,B-4,C-4,D-4,E-4 |
| HEATING AND AIR CONDITIONING<br>Heating equipment<br>Insufficient heat:<br>Closure of rooms<br>Additional heat source<br>Rooms lacking specified heat source<br>Housing unit uncomfortably cold<br>Air conditioning | A-1,B-1,C-1,D-1,E-1 | A-2,B-2,C-2,D-2,E-2 | A-3,B-3,C-3,D-3,E-3 | A-4,B-4,C-4,D-4,E-4 |
| JOURNEY TO WORK<br>Householder's principal means of transportation to work<br>Main reason householder drives alone to work<br>Distance from home to work<br>Travel time from home to work | A-1,B-1,C-1,D-1,E-1 | A-2,B-2,C-2,D-2,E-2 | – | – |
| HOUSEHOLD CHARACTERISTICS<br>Persons | – | – | – | – |

| Subject | United States/Regions—Continued | | | |
|---|---|---|---|---|
| | Housing units in structure | Number of rooms per housing unit | Year structure built | Monthly cost paid for electricity |
| **FUELS AND FUEL COSTS** | | | | |
| House heating fuel | A-5,B-5,C-5,D-5,E-5 | A-6,B-6,C-6,D-6,E-6 | A-7,B-7,C-7,D-7,E-7 | A-8,B-8,C-8,D-8,E-8 |
| Monthly cost paid for electricity | A-5,B-5,C-5,D-5,E-5 | A-6,B-6,C-6,D-6,E-6 | A-7,B-7,C-7,D-7,E-7 | — |
| Monthly cost paid for utility, bottled, tank, or LP gas | | | | |
| Yearly cost paid for fuel oil, kerosene, coal, wood, etc. | | | | |
| **HEATING AND AIR CONDITIONING** | | | | |
| Heating equipment | A-5,B-5,C-5,D-5,E-5 | A-6,B-6,C-6,D-6,E-6 | A-7,B-7,C-7,D-7,E-7 | A-8,B-8,C-8,D-8,E-8 |
| Insufficient heat: | | | | |
| Closure of rooms | A-5,B-5,C-5,D-5,E-5 | A-6,B-6,C-6,D-6,E-6 | A-7,B-7,C-7,D-7,E-7 | — |
| Additional heat source | | | | |
| Rooms lacking specified heat source | | | | |
| Housing unit uncomfortably cold | | | | |
| Air conditioning | A-5,B-5,C-5,D-5,E-5 | A-6,B-6,C-6,D-6,E-6 | A-7,B-7,C-7,D-7,E-7 | A-8,B-8,C-8,D-8,E-8 |
| **JOURNEY TO WORK** | | | | |
| Householder's principal means of transportation to work | — | — | — | — |
| Main reason householder drives alone to work | | | | |
| Distance from home to work | | | | |
| Travel time from home to work | | | | |
| **HOUSEHOLD CHARACTERISTICS** | | | | |
| Persons | — | — | — | A-8,B-8,C-8,D-8,E-8 |

| Subjects | United States/Regions—Continued | | | United States | |
|---|---|---|---|---|---|
| | | | | Units occupied by households with— | |
| | Monthly cost paid for gas | Yearly cost paid for fuel oil, kerosene, coal, wood, etc. | Householder's principal means of transportation to work | Black householder | Householder of Spanish origin |
| **FUELS AND FUEL COSTS** | | | | | |
| House heating fuel | A-9,B-9,C-9,D-9,E-9 | A-10,B-10,C-10,D-10,E-10 | — | F-1 | G-1 |
| Monthly cost paid for electricity | | | | | |
| Monthly cost paid for utility, bottled, tank, or LP gas | — | — | — | F-1 | G-1 |
| Yearly cost paid for fuel oil, kerosene, coal, wood, etc. | | | | | |
| **HEATING AND AIR CONDITIONING** | | | | | |
| Heating equipment | A-9,B-9,C-9,D-9,E-9 | A-10,B-10,C-10,D-10,E-10 | — | F-1 | G-1 |
| Insufficient heat: | | | | | |
| Closure of rooms | | | | | |
| Additional heat source | | | | | |
| Rooms lacking specified heat source | — | — | — | F-1 | G-1 |
| Housing unit uncomfortably cold | | | | | |
| Air conditioning | A-9,B-9,C-9,D-9,E-9 | A-10,B-10,C-10,D-10,E-10 | — | F-1 | G-1 |
| **JOURNEY TO WORK** | | | | | |
| Householder's principal means of transportation to work | — | — | — | F-1 | G-1 |
| Main reason householder drives alone to work | | | | | |
| Distance from home to work | — | — | A-11,B-11,C-11,D-11,E-11 | F-1 | G-1 |
| Travel time from home to work | | | | | |
| **HOUSEHOLD CHARACTERISTICS** | | | | | |
| Persons | A-9,B-9,C-9,D-9,E-9 | A-10,B-10,C-10,D-10,E-10 | — | — | — |

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