

CURRENT POPULATION REPORTS

POPULATION ESTIMATES

March 8, 1962

Washington 25, D.C.

Series P-25, No. 244

LOCAL POPULATION ESTIMATES PREPARED BY STATE AND CITY AGENCIES: MAIL SURVEY OF 1960*

(For previous surveys, see Current Population Reports, Series P-25, Nos. 178 and 116)

This report lists the sources and types of local population estimates prepared by agencies in State and city governments for the period from January 1, 1957, to March 31, 1960. The report is based on a mail survey conducted early in 1960, supplementing a more extensive survey taken in 1957-58. The results of the latter survey were published in a report issued in 1958.¹ An earlier survey was conducted in 1955.²

Although the estimates reported upon may be replaced in many cases by intercensal estimates tied into the 1960 Census, there is interest in the types of estimate programs that have been developed in State and local agencies. Many new sets of estimates were produced between the times of the 1958 and the 1960 surveys, but at the present stage most of the efforts of these agencies is going into digesting the census results and revising estimating procedures rather than producing current estimates.

The Bureau of the Census does not now regularly prepare estimates for counties and cities. Its program for preparing current

population estimates has been limited principally to the United States as a whole, the States, and the outlying areas of the United States.³ Nevertheless, the Bureau is greatly interested in the availability of adequate local estimates. In particular, it has been acting as a clearing house for the exchange of information regarding small area estimates, has been providing advice on methods for preparing them, and has participated in the development and testing of methodology. At the present time, the Bureau is participating in the Study Group on Postcensal Population Estimates of the Public Health Conference on Records and Statistics, which is carrying out certain tests of the relative accuracy of estimating methods for counties.

THE SURVEY OF LOCAL ESTIMATES

The Bureau of the Census has conducted two prior surveys of local estimates and has published inventories of the results. The first survey was taken by the Bureau of the Census in 1955 at the recommendation of the Public Health Conference on Records and Statistics. The Conference subsequently recommended that the inventory be repeated annually or biennially. A second survey was conducted

¹ U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 178, "Local Population Estimates Prepared by State and Local Agencies: 1957-58," June 27, 1958.

² U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 116, "Current Status of Population Estimates Prepared by State Agencies," June 6, 1955.

³ U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 81, "Coordination of Population Estimates Used by Federal, State, and Local Agencies," by Henry S. Shryock, Jr., October 12, 1953.

* Prepared by Donald S. Akers, Statistician, Population Estimates and Projections Branch, Population Division.

in the spring of 1957. Supplemented by a small-scale survey taken in the spring of 1958, this survey gave information on the status of estimates programs in 1957-58. The survey which is described in this report is a small-scale survey taken early in 1960. It was carried out at this date to obtain a current file of population estimates for use in evaluating the field counts from the 1960 Census as they were received. The 1960 Survey was largely a recanvass of the agencies which had reported making estimates in 1957-58. A few other agencies which had sent us estimates on their own initiative since 1957 were also included in the survey results. Additional inquiries were also sent to selected metropolitan planning agencies and, after the census, to cities whose population had reached 250,000.

In the 1957 Survey, questionnaires were sent to State health departments, State universities, State planning or development commissions, and State employment security offices. These agencies were also asked to name any other agencies in the State government which they knew were preparing estimates. Copies of the questionnaire were also sent to the Governors' offices for transmittal to any State agencies, other than those listed above, that might be engaged in making population estimates. Questionnaires were also sent to appropriate governmental agencies in the principal outlying areas of United States sovereignty or jurisdiction. Finally, questionnaires were sent to the health departments, planning commissions, census tract "key" men, and the mayors of the 41 cities with a 1950 population of 250,000 or more, to secure information on estimates of the population of cities being made by municipal agencies. The survey covered only the work of official agencies; hence, estimates made by private organizations, such as local chambers of commerce, were not included.

The questionnaire asked for a report on the areas (e.g., State, counties, cities of 10,000 or more) and the population characteristics (e.g., age, sex, race) for which estimates were prepared and for a description of the methods used by the agency to prepare these estimates. Other questions concerned the date of the latest set of estimates, the frequency with which estimates were prepared and published, and the availability of copies of the estimates. A question on tests of accuracy was included but not tabulated.

STATE AND CITY AGENCIES PREPARING ESTIMATES

In all but four States, some State agency reported making population counts or population estimates for local areas. The exceptions were Nebraska, Nevada, Vermont, and Rhode Island. Data for counties or county equivalents were included among the counts and estimates for all States, except Alaska where there was a count of the population in villages in 1958 but not in the open country.

Kansas takes a State census annually as of March 1; Massachusetts takes one in years ending in five. The Washington State Census Board counts the population in selected places to supplement its estimates of the population of cities and towns. In 1957, the Bureau of Economic and Business Research of the University of Utah used the count of population in households in a school census as a basis for their population figures for a part of the State. Otherwise, the State agencies covered in this report have used estimating procedures.

Departments of health make up nearly a half of the agencies making counts or estimates for counties (table A). Among the reasons for the leading position of the departments of health are the following: (1) They have ready access to many of the basic data required; (2) they are important users of population estimates in vital rates and the like; and (3) they often have personnel technically equipped to make the estimates.

The Bureaus of Business Research associated with State universities are the next most important source of local population estimates. In addition, a number of other university departments contribute to the supply of population estimates for local areas. The University of Michigan has a Program for Research in Population and Human Ecology which makes estimates for counties; the University of Virginia has a Bureau of Population and Economic Research which makes estimates for counties and cities. (In addition, the University of Texas has recently established a Population Research Center, which plans to make local estimates.) Other programs in the State universities for making local estimates are to be found in agricultural and engineering experiment stations and in departments of sociology and rural sociology. Finally, State universities may be represented on State

population committees which are nominally the sponsors of local population estimates in some States.

According to the 1960 survey, in 16 States two State agencies prepared estimates for counties in the survey period, 1957-60. Efforts are being made in a number of States to eliminate such duplication or to eliminate any question as to which of several sets of estimates is official. Some States have simply designated an existing program as official; in others, special government units or interagency committees have been given or have assumed responsibility for preparing estimates. Oregon and Washington have State Census Boards. In the State of California, there is a Financial and Population Research Section in the Budget Division, Department of Finance; in Pennsylvania, there is a Population Division in the Bureau of Statistics, Department of Internal Affairs. In Oklahoma, Utah, and New Hampshire, interagency committees for population estimates have been active in the preparation of county estimates.

The decline in the number of State agencies covered by this report (table A) does not necessarily reflect any trend since the 1960 Survey, because of its more limited scope, may have missed agencies entering the field of preparing estimates.

Table A. --STATE AGENCIES MAKING POPULATION ESTIMATES FOR COUNTIES: SURVEYS OF 1960, 1957-58, AND 1955

Agency	1960	1957-58	1955
Total.....	57	62	46
Department of health ¹	27	30	31
State university.....	16	19	9
Bureau of business research...	10	15	7
Other department.....	6	4	2
Planning or economic development agency.....	5	3	1
Employment security office.....	2	4	2
Other.....	27	6	3

¹ Includes departments of health and welfare and divisions of vital statistics in other departments.

² Includes state population committees (2) and offices concerned primarily with population studies (3).

Municipal agencies are less active in making population estimates than are State agencies. For only 23 of the 51 cities of 250,000 or more in 1960 did a local agency report that it made estimates of the city's population. In five other cities, a local agency reported

that it made estimates of the metropolitan area but not of the central city separately. Estimates for two cities (Long Beach and St. Paul) are prepared by agencies in another part of the metropolitan area. Hawaii State agencies prepare detailed estimates for Honolulu. Special censuses were taken by the Bureau of the Census in three cities (Indianapolis, Memphis, and New Orleans) for which no estimates had been reported.

Estimates by census tracts were prepared for twelve cities or metropolitan areas as follows:

Akron	Los Angeles	Philadelphia
Atlanta	Milwaukee	Phoenix
Baltimore	Minneapolis	Portland
Honolulu	Oakland	Seattle

Local planning agencies are the primary source of local population estimates. Local departments of health are also an important source of estimates though much less frequent than planning agencies. Among the 42 local agencies preparing local estimates, 27 are planning agencies, 11 are departments of health, 2 are census tract committees, and 1 each is a city water department and a board of public land commissioners.

THE METHODS USED

The methods used by State agencies to make population estimates for counties are summarized in table B; the methods used by local agencies are summarized in table C. Brief explanations of these methods are given below. All methods for preparing local population estimates rely on an earlier census count and differ only in the way they bring the estimates forward to the estimate date.

In arithmetic extrapolation, it is assumed that the yearly amount of population change in an area in the postcensal period equals the average yearly amount of change in the area in a recent past period, usually the most recent intercensal period. In geometric extrapolation, the average yearly rate of change is assumed to remain the same as in the past period.

The natural increase method involves merely adding postcensal natural increase (births minus deaths) to the census figure. It assumes, therefore, that postcensal net migration equals zero.

Table B.--METHODS USED BY STATE AGENCIES TO MAKE POPULATION ESTIMATES FOR COUNTIES: SURVEY OF 1960

(See text for explanation of methods)

Method	Number of agencies
Agencies reporting, total.....	57
State census.....	2
Arithmetic extrapolation.....	4
Natural increase method.....	4
Component (migration-and-natural-increase) method.....	24
Bureau of the Census: Method I.....	2
Method II.....	13
Method II averaged with vital rates method.....	2
Age or grade progression.....	2
Other variation.....	5
Proration method.....	3
Censal ratio method.....	14
Simple.....	3
Complex.....	11
Vital rates method.....	5
Other.....	6
Composite method.....	6
Bogue-Duncan variation.....	4
Other variation.....	2

Table C.--METHODS USED BY LOCAL AGENCIES TO MAKE POPULATION ESTIMATES FOR CITIES: SURVEY OF 1960

(See text for explanation of methods)

Method	Number of agencies
Agencies reporting, total.....	129
Arithmetic extrapolation.....	1
Natural increase method.....	1
Component (migration-and-natural-increase) method.....	5
Bureau of the Census: Method II.....	2
Age or grade progression.....	1
Other variation.....	2
Censal ratio method.....	20
Simple.....	16
Dwelling unit method.....	15
Other.....	1
Complex.....	4
Vital rates method.....	1
Other.....	3
Composite method (Bogue-Duncan variation)..	2

¹ For six cities; two city agencies reported that they were making estimates.

Component, or migration-and-natural-increase, methods carry the estimates of population forward by deriving each component of change (i.e., births, deaths, and migration) separately. In some cases both natural increase and migration are reported, but more

often only natural increase is reported and migration must be estimated. In Method I of the Bureau of the Census, the net migration rate for a given area is estimated, on the basis of school enrollment or school census data, as the difference between the percentage change in the population of school age for the area and the corresponding change for the United States.⁴ In Method II of the Bureau of the Census, net migration is estimated, using school enrollment or school census data, from the difference between the actual population of elementary school age and the population expected on the basis of the 1950 Census and births, and from current data on the variation of migration rates by age.⁵ In other migration-and-natural-increase methods, migration is estimated in various other ways, as by the use of data on school enrollment for successive school years and grades (grade-progression method), or by the use of reported net migration for previous periods.

The proration method involves the distribution of an estimated total for some large area among the constituent parts, as a State total among counties, on the basis of the population at the last census or current "symptomatic" data such as school data, births, or deaths. This procedure implicitly assumes that the State's population is currently distributed in the same proportion over the counties as at the last census or that the ratio of population to the symptomatic item is the same for all the counties.

In the censal ratio methods current "symptomatic" data are multiplied by the ratio of population to the basic indicator at the last census for that area for which the estimate is being made. A variation of the method allows for a trend in this ratio between the census and the estimate date. Sometimes the initial estimates of population by the censal ratio method for the constituent parts of an area are adjusted so as to add to an independent estimate for the entire area. A censal ratio method may be simple, using one basic indicator, or complex, using two or more indicators.

⁴ For a more detailed explanation and illustrative example, see U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 20, May 6, 1949.

⁵ For a more detailed explanation and illustrative example, see U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 133, March 16, 1956. Series P-25, No. 165, November 4, 1957, describes an amendment in one of the steps of the method.

The vital rates method is a commonly used ratio method in which two sets of estimates based, respectively, on birth and death statistics are averaged.⁶ The ratio-correlation method is a censal ratio method in which the estimate is obtained by use of a formula for multiple correlation between change in the proportion of the State's population in a county and the change in a series of censal ratios for the last decade.⁷

The dwelling unit method is yet another censal ratio method in which the estimates of population are based on estimates of dwelling units. The latter in turn are based on data on building permits issued or on data on electric, gas, or water meter connections. In this method, allowance may or may not be made for the trend in the size of household in the area. Because of the lack of the necessary data to measure changes the number of dwelling units for rural areas, the method is generally limited to urban areas.⁸

In the composite methods, estimates of various age segments are derived separately and are then summed to secure a total for all

⁶ For a more detailed explanation of this method, see Donald J. Bogue, "A Technique for Making Extensive Population Estimates," Journal of the American Statistical Association, Vol. 45, No. 250, June 1950, pp. 149-163.

⁷ For a more detailed explanation of this method, see David Goldberg, et al., Estimates of Population Change in Michigan: 1950-1960, Michigan Population Studies No. 1, Department of Sociology and the Institute of Public Administration, University of Michigan, pp. 36-39.

⁸ For additional discussion, see Current Population Reports, Series P-25, No. 156, April 30, 1957, p. 2.

ages. One method is to use age-specific deaths and death rates;⁹ another, developed by Bogue and Duncan, uses death statistics to estimate ages 45 and over, birth statistics to estimate ages 18 to 44 and under 5, and component Method II (see above) to estimate ages 5 to 17.¹⁰ Other variations of the composite method employ other combinations of "indicators" for various ages. These methods permit the choice of those indicators best suited to a given age range and provide some age detail in the estimates as a by-product.

The 1960 Census results provide a new standard against which to measure the accuracy of the various methods of making local population estimates. A few studies of the accuracy of various methods have been completed or are now under way, including the above-mentioned project being carried out by the Study Group on Postcensal Estimates of the Public Health Conference on Records and Statistics. Until more of these appear, the studies based on the 1950 Census results must bear the principal burden of providing information on the relative accuracy of various methods.¹¹

⁹ Carl M. Frisen, "A Technique for Estimating Population From Mortality Data," unpublished doctoral dissertation, Stanford University, Palo Alto, California, 1951.

¹⁰ A detailed discussion of this form of the composite method is given in: Donald J. Bogue and Beverly Duncan, "A Composite Method for Estimating Postcensal Population of Small Areas, by Age, Sex, and Color," paper read at the Third Annual Conference on Business Research, Chicago, April 13-14, 1956. Reproduced in: National Office of Vital Statistics, Vital Statistics-Special Reports, Vol. 47, No. 6, August 24, 1959.

¹¹ See pp. 5 and 6 of Current Population Reports, Series P-25, No. 178.

Table 1.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY STATE AGENCIES: SURVEY OF 1960

(See text for explanation of methods)

State	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimate	Method used	Source
Alabama.....	Bureau of Business Research University of Alabama University, Alabama (Mrs. Marion H. Hawley)	Counties.....	July 1, 1958 (preliminary)	Migration and natural increase, Method II.	Estimates published by the University in <u>Income and Population in Alabama</u> , Printed Series No. 27, March 1960.
Alaska.....	Bureau of Vital Statistics State Department of Health and Welfare Alaska State Office Building Juneau, Alaska (Mr. Francis E. Kester)	Villages by age, sex, and race.	Mar. 1, 1958	Local census conducted by various State agencies and the Federal Bureau of Indian Affairs.	Results published by the Alaska Rural Development Board in <u>Alaska Village Census: 1958</u> .
Arizona.....	Arizona State Employment Service 1720 West Madison Phoenix, Arizona (Mr. F. V. Proctor)	Counties.....	April 1, 1959	Migration and natural increase, Method II.	Estimates published annually by the Arizona Employment Security Commission in <u>Arizona: Basic Economic Data</u> .
	Bureau of Business Services Arizona State College Tempe, Arizona (Mr. Arthur W. Gutenberg)	Counties.....	Jan. 1, 1957	Censal ratio method using births, deaths, passenger automobile registration, school data, utility data, and voter registration.	Estimates published by the college in <u>Arizona Business Bulletin</u> , April 1957.
Arkansas.....	Bureau of Business and Economic Research University of Arkansas Fayetteville, Arkansas (Mr. Phillips H. Brown)	Counties.....	July 1, 1959	Censal ratio method using school enrollment data.	Estimates published annually by the University in <u>Arkansas Business Bulletin</u> and in <u>The Arkansas Economist</u> .
California.....	Financial and Population Research Section Budget Division State Department of Finance Sacramento 14, California (Dr. Carl M. Frisén)	State by age..... Counties	Jan. 1, 1960	State--Combination of migration and natural increase methods (Method I, Method II, grade progression) and age-specific death rates method. Counties--Migration and natural increase, Methods I and II.	Estimates published annually by the Department of Finance in <u>California's Population</u> .
		Selected cities.....	July 1, 1958 to March 31, 1960	Cities--Various Methods.	
Colorado.....	Colorado State Planning Division 130 State Office Building Denver 2, Colorado (Mr. W. W. Williams)	Counties.....	July 1, 1959	Censal ratio, using vital statistics, automobile registration, and school enrollment.	Estimates published annually by the University of Colorado in <u>Colorado Business Review</u> and by the Planning Commission in <u>Colorado Gazetteer</u> .
	Bureau of Business Research University of Colorado Boulder, Colorado (Mr. L. J. Crampton)	Counties.....	July 1, 1957	Migration and natural increase, Method II.	Estimates published by the University in <u>Colorado Basic Data Report</u> , No. 4, Population, by Mr. Paul W. DeGood, Jr.
Connecticut.....	Bureau of Vital Statistics State Department of Health State Office Building Hartford 15, Connecticut (Mr. Edwin T. Tracy)	Counties..... Towns	July 1, 1959	Migration and natural increase method (age progression), using school census data.	Estimates published annually by the Department of Health in <u>Weekly Health Bulletin</u> .
Delaware.....	Bureau of Vital Statistics State Board of Health Dover, Delaware (Mr. Cecil H. Marshall)	Counties and Wilmington city by race.	July 1, 1959	Proration of State estimate by 1950 Census distribution.	Unpublished estimates prepared annually and available upon request.
District of Col.	See the listing of Washington, D. C., agencies in table 3.	.....	.....	.....	.....
Florida.....	Bureau of Economic and Business Research University of Florida Gainesville, Florida (Mr. John N. Webb)	Counties.....	July 1, 1959 (provisional)	Migration and natural increase, Method II.	Estimates published annually by the University in <u>Economic Leaflets</u> and by the State Board of Health in a supplement to its <u>Annual Vital Statistics Report</u> .
Georgia.....	Division of Vital Statistics State Department of Public Health 12 Capitol Square, S.W. Atlanta 3, Georgia (Mr. J. C. Terrell)	State by age, sex, and race. Urban-rural residence by race Counties and places of 2,500 and over by race	July 1, 1959	State--Combination involving-- a. Censal ratio using school data, b. Arithmetic projection, c. Natural increase. Counties and Cities--Arithmetic projection.	Estimates published annually by the Department of Public Health in <u>Georgia Vital Statistics</u> and by the Department of Archives and History in <u>Georgia's Official Register</u> .
	Engineering Experiment Station Georgia Institute of Technology Atlanta, Georgia (Mr. Kenneth C. Wagner)	Counties.....	July 1, 1957	Migration and natural increase; migration estimate derived from index of expected migration based on previous decade.	Published by the Institute in <u>Population Estimates of Georgia Counties for 1956-1957</u> , Special Report, No. 33, by John L. Fulmer.

Table 1.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY STATE AGENCIES: SURVEY OF 1960--Con.

(See text for explanation of methods)

State	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimate	Method used	Source
Hawaii.....	Bureau of Health Statistics State Department of Health Punchbowl and Beretania Streets Honolulu 1, Hawaii (Mr. Charles G. Bennett)	Counties, islands, and cities of Honolulu and Hilo.	July 1, 1959	Migration-and-natural-increase method, using reported movement by sea and air.	Estimates prepared semiannually and published annually by the Department of Health in <u>Statistical Report</u> .
		Island of Oahu by Census tracts.	July 1, 1958	Dwelling unit method.....	Estimates published by the Department of Health in <u>Estimated Civilian Population and Dwelling Units of Oahu Census Tracts: July 1, 1958</u> .
	Hawaii State Planning Office 195 S. King Street Honolulu 13, Hawaii (Mr. Robert C. Schmitt)	State and island of Oahu, total and civilian, by age and sex.	July 1, 1959 (preliminary)	Extrapolations of 1958 estimates prepared by the Bogue-Duncan composite method.	Unpublished estimates available upon request.
		Island of Oahu by age and sex and by race and sex.	April 1, 1959	Estimates based on the Hawaii Health Survey.	Unpublished estimates available upon request.
Idaho.....	Bureau of Vital Statistics State Department of Health P.O. Box 640 Boise, Idaho (Mr. W. W. Benson)	Counties.....	Jan. 1, 1959	Natural increase method (unadjusted).	Estimates published annually by the Department of Health in <u>Annual Report of Bureau of Vital Statistics</u> .
Illinois.....	Bureau of Statistics State Department of Public Health Archives Building Springfield, Illinois (Mr. Clyde A. Bridger)	Counties..... Cities of 10,000 and over	July 1, 1957	Bogue-Duncan composite method. Estimates prepared by the Population Research and Training Center of the University of Chicago.	Estimates published by the Department of Public Health in <u>Health Statistics Bulletin</u> .
Indiana.....	Division of Public Health Statistics State Board of Health 1330 West Michigan Street Indianapolis, Indiana (Dr. Robert A. Calhoun)	Counties..... Cities of 10,000 and over	July 1, 1958	Average of Method II and vital rates method plus supplementary estimates and censuses.	Estimates published annually by the Board of Health in a series of "Population Releases."
Iowa.....	Division of Vital Statistics State Department of Health Des Moines 19, Iowa (Mr. Loren E. Chancellor)	Counties..... Cities	July 1, 1959	Migration and natural increase, Method II.	Estimates published by the Department of Health in the <u>Annual Report of the Division of Vital Statistics</u> .
Kansas.....	State Board of Agriculture State House Topeka, Kansas (Mr. Paul Ijams)	Counties..... Cities	March 1, 1960	Census enumeration by county assessors.	Census counts published annually by the Kansas Secretary of State in <u>Directory of State Officers, Boards, and Commissions, and Interesting Facts about Kansas</u> .
Kentucky.....	Agricultural Experiment Station University of Kentucky Lexington 29, Kentucky (Mr. Thomas R. Ford)	Counties.....	July 1, 1958	Migration and natural increase, Method II.	Estimates published annually by the University in <u>Population Estimates for Kentucky Counties and Economic Areas</u> .
	Bureau of Records and Statistics State Department of Health 275 East Main Street Frankfort, Kentucky (Mr. Strawn W. Taylor)	Counties and cities of 10,000 and over by color.	July 1, 1958	All classes--Average of migration and natural increase, Method II, and vital rates methods. Color--Proration of estimates for all classes by 1950 Census data.	Estimates published annually by the Department of Health in <u>Kentucky Vital Statistics Report</u> .
Louisiana.....	State Department of Hospitals State Capitol Baton Rouge, Louisiana (Miss Louise Kemp)	Parishes.....	July 1, 1959	Vital rates method.....	Unpublished estimates available upon request.
	Tabulation and Analysis Section State Board of Health New Orleans 7, Louisiana (Mr. John S. Lemasson)	States by age and color Parishes, all ages and under 6, by color and urban-rural residence	Jan. 1, 1959	Natural increase method.....	Estimates published annually in <u>Statistical Report of the Division of Public Health Statistics</u> .
Maine.....	Division of Vital Statistics State Department of Health and Welfare State House Augusta 8, Maine (Mr. Edson K. Labrack)	Counties.....	July 1, 1958	Combination of vital rates method and arithmetic projection.	Estimates published by the Department of Health and Welfare in the <u>Annual Statistical Report of the Division of Vital Statistics</u> .
Maryland.....	Division of Statistical Research and Records State Department of Health 301 West Preston Street Baltimore 1, Maryland (Dr. Arthur S. Kraus)	Counties by age and color.	July 1, 1959	Bogue-Duncan composite method.	Estimates by color (not by age) published annually by the State Department of Health in <u>Maryland Vital Statistics Tables</u> .

Table 1.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY STATE AGENCIES: SURVEY OF 1960--Con.

(See text for explanation of methods)

State	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimate	Method used	Source
Massachusetts....	Division of Vital Statistics Office of the Secretary of the Commonwealth 272 State House Boston 33, Massachusetts (Mr. Ralph R. Currier)	Counties..... Cities Towns	July 1, 1958	Arithmetic projection of the State Census of January 1, 1955.	Estimates published by the Secretary of the Commonwealth in the <u>Annual Report on the Vital Statistics of Massachusetts</u> .
Michigan.....	Statistical Methods Section State Department of Health Old De Witt Road Lansing 4, Michigan (Miss Doris L. Duxbury)	Counties..... Places of 2,500 and over	July 1, 1958	Counties--Migration and natural increase, Method II. Cities--Natural increase method (adjusted to county total).	Unpublished estimates prepared annually and available upon request.
	Program for Research in Population and Human Ecology 1516 Rackham Building University of Michigan Ann Arbor, Michigan (Dr. David Goldberg)	Counties by broad age groups.	July 1, 1958	Total population of counties--Average of ratio-correlation, composite, vital rates, and migration and natural increase, Method II. Counties by age--Composite method.	Estimates published by the University of Michigan in <u>Estimates of Population Change in Michigan: 1950-1960</u> , Michigan Population Studies, No. 1, Department of Sociology and Institute of Public Administration.
Minnesota.....	Section of Vital Statistics State Department of Health 469 State Office Building St. Paul 1, Minnesota (Mr. Emerson W. Storey)	Counties.....	April 1, 1959	Migration-and-natural-increase method using school census data (age progression).	Estimates published annually by the Department of Health in <u>Minnesota Vital Statistics</u> .
Mississippi.....	Division of Sociology and Rural Life Mississippi State University State College, Mississippi (Dr. George L. Wilber)	Counties by color....	July 1, 1958	Vital rates method.....	Estimates published by the Mississippi State Board of Health in <u>Annual Bulletin of Vital Statistics</u> .
Missouri.....	Statistical Services State Department of Public Health and Welfare State Office Building Jefferson City, Missouri (Mr. Thomas C. Dundon)	Counties.....	July 1, 1959	Bogue-Duncan composite method.	Unpublished estimates available upon request.
Montana.....	Montana State Board of Health Helena, Montana (Mr. John C. Wilson)	Counties.....	July 1, 1958	Vital rates method.....	Unpublished estimates available upon request.
Nebraska.....					No estimates reported.
Nevada.....					No estimates reported.
New Hampshire....	State Planning and Development Commission Concord, New Hampshire (Mr. Paul Hendrick)	Counties, cities, and towns by broad age groups.	April 1, 1958 (for over 18) Sept. 1, 1958 (for under 18)	Composite method involving-- a. School census data, b. "Head tax" data.	Estimates published annually by the Commission in <u>New Hampshire--Local Population Estimates</u> .
New Jersey.....	Division of Planning and Development State Department of Conservation and Economic Development Trenton 25, New Jersey (Mrs. Gladys W. Ellsworth)	Counties..... Municipalities	July 1, 1959	Average of vital rates and dwelling unit methods.	Estimates published annually by the Department in <u>New Jersey Population Estimates</u> .
	Bureau of Public Health Statistics State Department of Health 129 East Hanover Street Trenton 25, New Jersey (Mr. F. Merton Seybolt)	State by age..... Counties Major cities	July 1, 1959	Total estimates by natural-increase method. Age estimates by proration.	Unpublished data available upon request.
New Mexico.....	Bureau of Business Research University of New Mexico Albuquerque, New Mexico (Mr. Ralph L. Edgel)	Counties.....	July 1, 1959	Censal ratio method using school data, births and deaths, and other data.	Estimates published by the University in <u>New Mexico Business Annual Summary</u> and by the New Mexico Secretary of State in <u>Historical Blue Book of New Mexico</u> .
New York.....	Office of Biostatistics State Department of Health Albany 8, New York (Mr. Elwood G. Brown)	Counties..... Places of 10,000 and over	July 1, 1959	Migration-and-natural-increase method using migration trends for 1950-57 where special censuses were taken in 1957 and 1940-50 trends elsewhere. For Nassau and Suffolk Counties, the dwelling unit method was used.	Estimates published by the Department of Health in <u>Monthly Vital Statistics Review</u> .

Table 1.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY STATE AGENCIES: SURVEY OF 1960--Con.

(See text for explanation of methods)

State	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimate	Method used	Source
North Carolina...	Public Health Statistics Section State Board of Health P. O. Box 2091 Raleigh, North Carolina (Mr. Charles R. Council)	Counties and cities of 10,000 or more by color.	July 1, 1957	Arithmetic projection.....	Estimates published annually in vital statistics reports.
North Dakota.....	Economic Development Commission Bismarck, North Dakota (Mr. Lawrence A. Schneider)	Counties..... Cities	May 1, 1958	Based on utility data, school enrollment, and presumed effect of establishment of new industries.	Unpublished estimates available upon request.
Ohio.....	Division of Research and Planning State Department of Industrial and Economic Development 700 Bryden Road Columbus 15, Ohio (Dr. Marjorie Guy)	Counties..... Places of 5,000 and over	Jan. 1, 1960	Migration-and-natural-increase method using extrapolations of migration estimates for 1950 to 1955 prepared by Method II from the Estimates Project of the State Department of Liquor Control.	Estimates prepared semiannually and available upon request.
	Division of Vital Statistics State Department of Health 306 State Departments Building Columbus 15, Ohio (Mrs. Margaret Moore)	Counties..... Cities and villages	July 1, 1959	Counties and cities--See above. Villages--Various methods.	Estimates published in <u>Population Changes in Ohio Counties and Municipal Corporations</u> .
Oklahoma.....	State Committee for Population Estimates c/o Division of Statistics State Department of Health 3400 North Eastern Oklahoma City 5, Oklahoma (Mrs. Margaret Shackelford)	Counties.....	July 1, 1959	Combination involving-- a. Migration and natural increase, Method II, and b. Vital rates method. Estimates prepared by the Department of Sociology and Rural Life of the Oklahoma State University.	Estimates published by the University in <u>County Population Trends in Oklahoma, 1930-59</u> , Series P-351, May 1960, by James D. Tarver.
	Bureau of Business Research University of Oklahoma Norman, Oklahoma (Mr. Niel J. Dikeman, Jr.)	Counties..... Cities	April 1, 1959	Counties--Migration and natural increase, Method II (modified). Cities--Censal ratio method using gas meter data.	Estimates published annually by the University in special reports.
Oregon.....	State Board of Census State Hall, Room 230 1620 S.W. Park Avenue Portland 1, Oregon (Dr. Warren Kalbach)	Counties..... Incorporated places	July 1, 1959	Counties--Migration and natural increase, Method I. Places--Special enumerations, censal ratio method using utility data, and projections.	"Certificate of Population Enumerations and Estimates of Counties and Incorporated Cities of Oregon," published annually by the Secretary of State in <u>Oregon Blue Book</u> .
Pennsylvania.....	Population Division Bureau of Statistics State Department of Internal Affairs Harrisburg, Pennsylvania (Dr. Kenneth W. Masters)	Counties, alternative series of estimates. Counties by broad age groups Cities of 10,000 and over	July 1, 1958	Total population of counties-- Four sets of estimates based on-- a. Vital rates, b. Modified vital rates, c. Component Method II, d. Composite method. Counties by age--Composite method. Cities--Vital rates method.	Estimates published by the Department of Internal Affairs in <u>Population Statistics</u> , Release Nos. P-1, P-2, and P-3, and in <u>Pennsylvania Statistical Abstract</u> .
Rhode Island.....					No estimates reported.
South Carolina...	Division of Vital Statistics State Board of Health State Office Building Columbia 1, South Carolina (Mr. Thomas P. Lesesne)	State by age and color. Counties and cities of 10,000 and over by age and color.	Jan. 1, 1957	Natural increase method.....	Estimates published by the Bureau of Health in the <u>Statistical Supplement to the Annual Report of the State Board of Health</u> .
South Dakota.....	Division of Public Health Statistics State Department of Health Pierre, South Dakota (Mr. Randall R. Tuffs)	Counties.....	April 1, 1959	Migration and natural increase, Method II.	Unpublished estimates prepared annually and available upon request.
Tennessee.....	Bureau of Business Research Glocker Business Administration Building University of Tennessee Knoxville, Tennessee (Mr. Ormond C. Corry)	Counties..... Cities	July 1, 1959	Migration and natural increase, Method II.	Estimates published annually by the University in <u>Tennessee Business</u> . The 1959 estimates were not published.
	Statistical Service State Department of Public Health Cordell Hull Office Building Nashville 3, Tennessee (Miss Ann Dillon)	Counties and cities of 10,000 and over by color.	July 1, 1959	Arithmetic projection.....	Unpublished estimates prepared annually and available upon request.

Table 1.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY STATE AGENCIES: SURVEY OF 1960--Con.

(See text for explanation of methods)

State	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimate	Method used	Source
Texas.....	Texas Employment Commission Austin, Texas (Mr. Robert C. Burleson)	Counties.....	Sept. 1, 1959	Censal ratio method using school census data.	Unpublished estimates prepared annually and available upon request.
	Division of Vital Statistics State Department of Health Austin 1, Texas (Mr. W. D. Carroll)	State by age, sex, and race.	July 1, 1958	Proration of the Bureau of the Census State estimate by 1950 distribution.	Unpublished estimates available upon request.
Utah.....	Utah Population Work Committee c/o Utah Committee on Industrial and Employment Planning 174 Social Hall Avenue Salt Lake City 10, Utah (Mr. Richard B. Weed)	Counties.....	Jan. 1, 1959	Censal ratio method using vital statistics, labor force, school enrollment, motor vehicle registration, and for selected counties, other data.	Estimates published annually by the Bureau of Economic and Business Research, University of Utah, in <u>Utah Economic and Business Review</u> .
	Bureau of Economic and Business Research College of Business University of Utah Salt Lake City, Utah (Mr. Osmond L. Harline)	Counties.....	Jan. 1, 1957	Combination of methods, including a complete enumeration of some areas taken as part of the school census.	Published in <u>Utah Economic and Business Review</u> , May 1957.
Vermont.....					No estimates reported.
Virginia.....	Bureau of Population and Economic Research University of Virginia Charlottesville, Virginia (Mr. J. L. Lancaster)	Counties by race..... Cities by race	July 1, 1959	Migration and natural increase, Method II.	Unpublished estimates prepared annually and available upon request.
Washington.....	Division of Staff Services State Department of Health 214 General Administration Building Olympia, Washington (Mr. George H. Ormrod)	Counties.....	July 1, 1959	Censal ratio method using city and town estimates prepared by the State Census Board.	Estimates published annually by the Department of Health in <u>Vital Statistics Summary</u> .
	Washington State Census Board 104 Smith Hall University of Washington Seattle 5, Washington (Dr. Calvin F. Schmid)	Incorporated cities and towns.	April 1, 1959	Special census conducted by the State, or estimate by the dwelling unit method.	Estimates prepared annually and issued by the Census Board in a news release. Estimates for cities of 10,000 and over published by the Department of Health.
West Virginia....	Department of Agricultural Economics and Rural Sociology The Agricultural Experiment Station West Virginia University Morgantown, West Virginia (Dr. Leonard M. Sizer)	Counties.....	July 1, 1958	Migration and natural increase, Method II.	Unpublished estimates prepared annually and available upon request.
	Division of Vital Statistics State Department of Health Charleston 5, West Virginia (Mr. Paul B. Shanks)	Counties.....	July 1, 1958	Proration of the Bureau of the Census State estimate by 1950 distribution.	Unpublished estimates available upon request.
Wisconsin.....	Statistical Services Division State Board of Health State Office Building Madison 2, Wisconsin (Mr. William F. Stewart)	Counties.....	July 1, 1959	Bogue-Duncan composite method.	Estimates prepared annually and published biennially by the Wisconsin Legislative Reference Library in <u>The Wisconsin Blue Book</u> .
	Department of Rural Sociology College of Agriculture University of Wisconsin Madison 6, Wisconsin (Dr. Douglas G. Marshall)	Counties.....	Jan. 1, 1957	Migration and natural increase, Method II.	Estimates published by the University in <u>Population Estimates for Wisconsin Counties: 1957</u> .
Wyoming.....					No estimates reported.

Table 2.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY GOVERNMENT AGENCIES IN OUTLYING AREAS: SURVEY OF 1960

(See text for explanation of methods)

Area	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimate	Method used	Source
Puerto Rico.....	Population Estimates Section Bureau of Demographic Registry and Statistics Puerto Rico Department of Health San Juan, Puerto Rico (Mr. José L. Vázquez)	Civilian population of Puerto Rico by age and sex. Counties (municipios).....	Jan. 1, 1960 July 1, 1958	<u>Puerto Rico</u> --Migration-and-natural-increase method using reported migration data. <u>Counties</u> --Vital rates method.	Estimates published annually by the Puerto Rico Planning Board in <u>Puerto Rico Statistical Yearbook</u> and by the Department of Health in <u>Annual Report on Vital Statistics</u> . Estimates of the population 14 years old and over by age and sex published quarterly by the Puerto Rico Department of Labor in <u>Employment and Unemployment in Puerto Rico</u> . Estimates of the total population prepared monthly and available upon request.
Guam.....	Office of Chief Commissioner Government of Guam Agana, Guam (Mr. Federico T. Gutierrez)	Population of Guam (excluding Armed Forces, their dependents, contract employees of the Armed Forces, and alien labor inside military reservations).	Jan. 1, 1960	Local census taken by municipal commissioners.	Census taken annually at irregular dates. Total and selected details published by the U.S. Department of the Interior in the <u>Annual Report of the Governor of Guam</u> . Other figures available on request.
Virgin Islands of the U.S.	Vital Statistics Division Territorial Department of Health Charlotte Amalie, St. Thomas Virgin Islands of the U.S. (Miss Bertha Boschulte)	Virgin Islands, urban and rural. Islands Cities	July 1, 1958	Migration-and-natural-increase method using arbitrary allowances for migration.	Estimates by islands published annually by the U.S. Department of Interior in the <u>Annual Report of the Governor of the Virgin Islands</u> . Other estimates available on request.
American Samoa.....					No estimates reported. Local census taken by the Government of American Samoa on September 25, 1956.
Canal Zone.....					No estimates reported. Local census taken by the police in November 1954.
Trust Territory of the Pacific Islands.	High Commissioner of the Trust Territory of the Pacific Islands P.O. Box 542 Agana, Guam (Mr. M. Wilfred Goding)	Population of the Trust Territory (excluding Armed Forces, U.S. Government employees and their dependents). District, island, or political subdivision Age, sex, place of birth, ethnic group, etc.	June 3, 1959 1st half 1958	Community reports compiled by the Trust Territory Headquarters Statistical Center. Local census taken by the High Commissioner and tabulated by the U.S. Bureau of the Census.	Data published annually by the U.S. Department of State in the <u>Annual Report to the United Nations on the Trust Territory of the Pacific Islands</u> , Statistical Appendixes. Data published by the High Commissioner in <u>Census of the Trust Territory of the Pacific Islands: 1958</u> .

Table 3.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY MUNICIPAL AGENCIES IN CITIES OF 250,000 INHABITANTS OR MORE: SURVEY OF 1960
 (The 51 cities having 250,000 inhabitants or more in 1960 are included. Estimates for some of these cities may also be obtained from State agencies listed in table 1. See text for explanation of methods)

City and State	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimates	Method used	Source
Akron, Ohio.....	City Planning Commission 605 Municipal Building Akron, Ohio (Mr. Maurice Page)	Akron city by census tracts.	Jan. 1, 1960	Dwelling unit method.....	Estimates published by the Planning Commission in <u>Population and Dwelling Unit Change--1950-1960</u> .
	Tri-County Regional Planning Commission 578 West Market Street Akron 3, Ohio (Mr. James H. Hickey)	Metropolitan area by counties and minor civil divisions.	July 1, 1958	Counties--Average of migration and natural increase, Method II, dwelling unit method using electric meter data, and vital rates method. Minor civil divisions--Censal ratio method using school data.	Estimates published by the Planning Commission in <u>Population Projections to 1975 For the Tri-County Region</u> , by Dr. W. Raymond Mills.
Atlanta, Ga.....	Metropolitan Planning Commission 900 Glenn Building Atlanta 3, Georgia (Mr. Thomas H. Roberts)	Metropolitan area by color, and by counties, municipalities, census tracts, and military districts.	April 1, 1959	Total area--Extrapolation of ratio to total U.S. population. Other areas--Dwelling unit method.	Estimates published by the Planning Commission in <u>We're Feeling Like a Million, 1959 Population-Housing Report</u> , Atlanta Standard Metropolitan Area.
Baltimore, Md....	Bureau of Biostatistics City Health Department Baltimore, Maryland (Mr. Todd M. Frazier)	Baltimore city by age and race. Census tracts	July 1, 1959	Migration and natural increase, Method II. Dwelling unit method (modified)	Estimates prepared annually for the city, biennially for tracts. Published by the Health Department in <u>Quarterly Statistical Report</u> .
	Baltimore County Office of Planning and Zoning 111 West Chesapeake Avenue Towson, Maryland (Mr. Malcolm Dill)	Baltimore County by election districts.	1959	Dwelling unit method.....	Estimates published by the University of Maryland, Bureau of Business and Economic Research in <u>Studies in Business and Economics: Baltimore Counts, Some Aspects of Change</u> .
Birmingham, Ala..	Bureau of Vital Statistics Jefferson County Department of Health 1912 8th Avenue P.O. Box 2591 Birmingham, Alabama (Mr. Perry B. Rogers)	Jefferson County by age...	July 1, 1959	Total--Arithmetic projection.. Age--Proration by the 1950 Census.	Unpublished estimates available upon request.
Boston, Mass.....	.....	.....	.....	.....	No estimates reported.
Buffalo, N.Y.....	.....	.....	.....	.....	No estimates reported.
Chicago, Ill.....	Northeastern Illinois Metropolitan Area Planning Commission 140 South Dearborn Street Chicago 3, Illinois (Mr. Paul Oppermann)	Metropolitan area by counties, municipalities, and townships.	Oct. 1, 1959	Counties--Combination of migration and natural increase, Method II, vital rates method, and dwelling unit method. Municipalities--Special censuses and dwelling unit method. Townships--Proration using data on dwelling units, school enrollment, and utility connections.	Estimates published by the Planning Commission in <u>Population Preview, February 1960</u> .
	Department of City Planning City of Chicago City Hall Chicago 2, Illinois (Mr. Ira J. Bach)	Chicago Standard Consolidated Area by counties and urban places.	July 1, 1957	Special censuses and Bogue-Duncan composite method. Estimates prepared by the Population Research and Training Center, University of Chicago.	Estimates published by Chicago Community Inventory, University of Chicago, in <u>Population Growth in the Chicago Standard Metropolitan Area: 1950-57</u> , Estimates and Projections Series, No. 2.
Cincinnati, Ohio.	.....	.....	.....	.....	No estimates reported.
Cleveland, Ohio..	.....	.....	.....	.....	No estimates reported.
Columbus, Ohio...	.....	.....	.....	.....	No estimates reported.
Dallas, Texas....	Department of City Planning Dallas, Texas (Mr. James M. Schroeler)	Dallas County..... Dallas city	Feb. 1, 1960	Extrapolation of estimates for 1955.	Unpublished estimates available upon request.
Dayton, Ohio.....	.....	.....	.....	.....	No estimates reported.
Denver, Colo.....	.....	.....	.....	.....	No estimates reported.

Table 3.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY MUNICIPAL AGENCIES IN CITIES OF 250,000 INHABITANTS OR MORE: SURVEY OF 1960--Con.

(The 51 cities having 250,000 inhabitants or more in 1960 are included. Estimates for some of these cities may also be obtained from State agencies listed in table 1. See text for explanation of methods)

City and State	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimates	Method used	Source
Detroit, Mich....	Detroit Metropolitan Area Regional Planning Commission 800 Cadillac Square Building Detroit 26, Michigan (Mr. Paul M. Reid)	Metropolitan area by minor civil divisions.	July 1, 1959	Dwelling unit method.....	Estimates published annually by the Planning Commission in <u>Population and Occupied Dwelling Units in the Detroit Region.</u>
El Paso, Texas....	.....	.....	.....	.....	No estimates reported.
Fort Worth, Texas	Fort Worth Water Department Fort Worth, Texas (Mr. Uel Stephens)	Area served by the Water Department, most of which is within corporate limits of Fort Worth.	Dec. 31, 1957	Dwelling unit method.....	Unpublished estimates available upon request.
Honolulu, Hawaii.	See the listing of Hawaii State agencies in table 1.	.....	.....	.....	.....
Houston, Texas....	.....	.....	.....	.....	No estimates reported.
Indianapolis, Ind.	Marion County Metropolitan Planning Department City Hall, Room 405 Indianapolis 4, Indiana (Mr. Michael F. Foster)	.....	.....	.....	Special census taken of Indianapolis by the Bureau of the Census on Oct. 10, 1957. No subsequent estimates reported.
Jersey City, N.J.	.....	.....	.....	.....	No estimates reported.
Kansas City, Mo..	City Planning Commission City Hall Kansas City 6, Missouri (Miss Frances I. Grow)	Metropolitan area..... Incorporated and unincorporated areas, townships, and communities	Jan. 1, 1958 Jan. 1, 1957	Dwelling unit method.....	Unpublished estimates available upon request.
Long Beach, Calif.	See entries for Los Angeles.	.....	.....	.....	.....
Los Angeles, Calif.	Population Research Section Los Angeles County Regional Planning Commission 220 N. Broadway, Room 810 Los Angeles 12, California (Mr. George Marr)	Los Angeles County by statistical areas and incorporated places. Unincorporated area and cities served by Sheriff's Department, by census tracts	Jan. 1, 1960	Dwelling unit method.....	Estimates published quarterly by the Planning Commission in <u>Quarterly Population and Dwelling Unit Bulletin</u> and in <u>Unincorporated Area Report</u> , respectively.
	Research Section Los Angeles City Planning Commission City Hall, Room 2202 Los Angeles 12, California (Mr. Edward J. Orth)	Los Angeles city by "communities" and census tracts.	Jan. 1, 1960	Combination involving-- a. Dwelling unit method using building permits and electric meter data, and b. Census ratio method using school data.	Estimates prepared quarterly. Those by "community" published by the Planning Commission in <u>Population Estimate Bulletin</u> ; those by census tract available upon request.
Louisville, Ky...	Division of Vital Statistics City Department of Public Health 240 East Madison Street Louisville 2, Kentucky (Mr. Irving H. Levy)	Jefferson County and Louisville city by color.	July 1, 1957	Migration-and-natural-increase method using school census data (age progression).	Unpublished estimates available upon request.
Memphis, Tenn....	Memphis and Shelby County Health Department 814 Jefferson Avenue Memphis 5, Tennessee (Mr. Marvin F. Carter)	.....	.....	.....	Special census taken of Memphis by the Bureau of the Census on January 31, 1958. No subsequent estimates reported.
Miami, Fla.....	Research Division Metropolitan Dade County Planning Department 850 N.W. 23rd Street Miami, Florida (Mr. Robert W. Bremner)	Selected regions within Dade County.	Apr. 1, 1958	Dwelling unit method. Estimates prepared by the Bureau of Business and Economic Research at the University of Miami.	Estimates published by the University of Miami in <u>Miami Economic Research</u> , Vol. II, No. 4, Oct., 1958.
Milwaukee, Wis...	Milwaukee Board of Public Land Commissioners 155 E. Kilbourn Avenue Milwaukee 2, Wisconsin (Mr. Robert G. Ducharme)	Milwaukee city by community areas and census tracts.	Jan. 1, 1960	Dwelling unit method. Estimates prepared by the Milwaukee Journal and accepted by the Board of Public Land Commissioners as official.	Estimates published annually by the <u>Milwaukee Journal</u> .
	Vital Statistics Division City Health Department 841 North Broadway Milwaukee 2, Wisconsin (Mr. E. R. Krumbiegel)	Milwaukee city..... Milwaukee city by race and age.	July 1, 1959 July 1, 1957	Migration and natural increase method.	Unpublished estimates available upon request.

Table 3.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY MUNICIPAL AGENCIES IN CITIES OF 250,000 INHABITANTS OR MORE: SURVEY OF 1960--Con.

(The 51 cities having 250,000 inhabitants or more in 1960 are included. Estimates for some of these cities may also be obtained from State agencies listed in table 1. See text for explanation of methods)

City and State	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimates	Method used	Source
Minneapolis, Minn.	City Planning Commission 339 City Hall Minneapolis 15, Minnesota (Mr. Ralph C. Quiggle)	Minneapolis city by census tracts.	July 1, 1959	Dwelling unit method.....	Unpublished estimates available upon request.
	Twin Cities Metropolitan Planning Commission Griggs-Midway Building University at Fairview St. Paul 4, Minnesota (Mr. Edward G. Maranda)	Minneapolis-St. Paul metropolitan area by townships and municipalities. Metropolitan area by broad age groups. Counties	Apr. 1, 1959 (provisional) Apr. 1, 1958	Townships and municipalities--Combination using school census for under 18 and dwelling unit method for 18 and over. Age--School census for under 18; censal ratio for 18 and over. Counties--Average of vital rates method, method used for townships and municipalities, and grade progression method.	Estimates published by the Commission in <u>Metropolitan Population Study</u> , Metropolitan Planning Report, No. 2, August 1959.
Newark, N.J.....	.....	.....	.....	.....	No estimates reported.
New Orleans, La..	City Planning Commission Howard Annex 535 St. Charles Street New Orleans 12, Louisiana (Mr. Louis C. Bisso)	.....	.....	.....	Special census taken of New Orleans by the Bureau of the Census on November 28, 1958. No subsequent estimates reported.
New York, N.Y....	Statistical Division City Department of Health 125 Worth Street New York 13, New York (Mr. Louis Weiner)	New York City by boroughs and Health Center Districts.	July 1, 1959	Based on estimates prepared by the Consolidated Edison Co., using dwelling unit method based on electric meter data.	Estimates published annually by the Department of Health in <u>Summary of Vital Statistics</u> . Consolidated Edison estimates available upon request to Mr. A. F. Parrot of that company.
Norfolk, Va.....	.....	.....	.....	.....	No estimates reported.
Oakland, Calif...	City Planning Department Oakland, California (Mr. Corwin R. Mocine)	Oakland city by census tracts.	Aug. 1, 1959	Dwelling unit method.....	Estimates published annually by the Planning Department in <u>Estimated Population by Census Tracts, City of Oakland</u> .
Oklahoma City, Okla.	.....	.....	.....	.....	No estimates reported.
Omaha, Nebr.....	City Planning Department City Hall Omaha, Nebraska (Mr. Jim Kelly)	Omaha city.....	Jan. 1, 1960	Dwelling unit method.....	Estimates prepared annually and available upon request.
	Division of Vital Statistics Omaha-Douglas County Health Department 1201 South 42nd Street Omaha, Nebraska (Miss Virginia Jackson)	Douglas County and Omaha city.	Jan. 1, 1960	Natural increase method.....	Estimates prepared monthly. Midyear estimates published by the Health Department in <u>Annual Report</u> .
Philadelphia, Pa.	Division of Statistics and Research City Department of Public Health City Hall Annex Philadelphia 7, Pennsylvania (Dr. F. Herbert Colwell)	Philadelphia city by age, sex, and color. Health Districts by color	July 1, 1958	Migration and natural increase, Method II, and Bogue-Duncan composite method in various combinations.	Estimates published by the Department of Public Health in <u>Annual Statistical Report</u> .
	Planning Analysis Section City Planning Commission Penn Square Building Juniper and Filbert Streets Philadelphia 7, Pennsylvania (Mr. Harlan G. Loomer)	Philadelphia city..... Census tracts.....	Apr. 1, 1958 Apr. 1, 1957	Dwelling unit method.....	Unpublished estimates available upon request.
Phoenix, Ariz....	Advance Planning Task Force c/o Maricopa County Planning and Zoning Commission 103 West Jefferson Phoenix, Arizona (Dr. Donald W. Hutton)	Maricopa County..... Urban area by census tracts	July 1, 1958	County--Migration and natural increase, Method II. Urban area--Dwelling unit method.	Estimates published by the Task Force in <u>Population Growth of the Phoenix Urban Area</u> .
Pittsburgh, Pa...	Office of Biostatistics Allegheny County Health Department 620 City-County Building Pittsburgh 19, Pennsylvania (Mr. I. R. Vaughn)	Allegheny County by municipality. Pittsburgh city by ward	Jan. 1, 1959	Special censuses, redevelopment data, and natural increase method.	Unpublished estimates available upon request.

Table 3.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY MUNICIPAL AGENCIES IN CITIES OF 250,000 INHABITANTS OR MORE: SURVEY OF 1960--Con.

(The 51 cities having 250,000 inhabitants or more in 1960 are included. Estimates for some of these cities may also be obtained from State agencies listed in table 1. See text for explanation of methods)

City and State	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimates	Method used	Source
Portland, Oreg...	Metropolitan Planning Commission 424 S.W. Main Street Portland 4, Oregon (Mr. Eugene E. Snyder)	Portland metropolitan area (Oregon portion) by counties and census tracts.	Jan. 1, 1959	Dwelling unit method.....	Unpublished estimates available upon request.
Rochester, N.Y...	City Planning Commission Rochester, New York	Monroe County and Rochester city.	July 1, 1959	Dwelling unit method.....	Unpublished estimates available upon request.
St. Louis, Mo....	City Planning Commission Civil Courts Building St. Louis 1, Missouri (Mr. Charles W. Hanke)	St. Louis metropolitan area by counties.	Jan. 1, 1960	Estimates are a combination involving migration and natural increase, Method II, dwelling unit method, and vital rates method. Estimates prepared by the Metropolitan Census Committee of the St. Louis Chapter of the American Statistical Association and accepted by the Planning Commission as official.	Estimates prepared biennially and available upon request.
	Bureau of Vital Statistics Division of Health City Department of Health and Hospitals St. Louis 3, Missouri (Mr. Charles L. Bell)	St. Louis city by age, color, and sex. Health districts by color	July 1, 1959	Vital rates method.....	Estimates prepared annually and available upon request.
St. Paul, Minn...	See entries for Minneapolis.	.....	.....	.....	.....
San Antonio, Texas.	Office of the Director of Planning City of San Antonio San Antonio, Texas (Mr. Donald K. King)	San Antonio city.....	Jan. 1, 1960	Migration-and-natural-increase method using reported migration.	Unpublished estimates available upon request.
	City Public Health Department 331 West Nueva Street San Antonio 5, Texas (Dr. J. C. Ellington)	San Antonio city by color (and for population of Spanish surname)	July 1, 1959	Dwelling unit method using utility data.	Estimates published by the Public Health Department in <u>Ten Years of Vital Statistics: 1950-1959.</u>
San Diego, Calif.	San Diego Census Tract Committee c/o San Diego Gas and Electric Company P.O. Box 1831 San Diego 12, California (Mr. Frank Porath)	San Diego County..... Incorporated places	Dec. 31, 1959	Dwelling unit method using electric and gas meter data.	Unpublished estimates available upon request.
San Francisco, Calif.	.....	.....	.....	.....	No estimates reported.
Seattle, Wash....	City Planning Commission County-City Building Seattle 4, Washington (Mr. Albert H. Crosetti)	King County by municipalities, census county divisions, and census tracts.	April 1, 1959	Dwelling unit method.....	Estimates prepared annually and available upon request.
Tampa, Fla.....	.....	.....	.....	.....	No estimates reported.
Toledo, Ohio.....	.....	.....	.....	.....	No estimates reported.
Tulsa, Okla.....	Population and Census Tract Committee c/o Research Department Tulsa Chamber of Commerce 616 South Boston Avenue Tulsa 19, Oklahoma (Mr. W. M. Waller)	Tulsa metropolitan area, urbanized area, and city.	Jan. 1, 1960	Censal ratio using telephones, postal stops, newspaper circulation, school enrollment, and other indicators.	Estimates prepared annually and available upon request.
	Metropolitan Area Planning Commission 406 South Denver Tulsa 3, Oklahoma (Mr. Donald R. Woodard)	Tulsa County..... Tulsa urbanized area by neighborhoods	Sept. 1, 1957	Dwelling unit method.....	Estimates available upon request.

Table 3.--DESCRIPTION OF POPULATION ESTIMATES PREPARED BY MUNICIPAL AGENCIES IN CITIES OF 250,000 INHABITANTS OR MORE: SURVEY OF 1960--Con.

(The 51 cities having 250,000 inhabitants or more in 1960 are included. Estimates for some of these cities may also be obtained from State agencies listed in table 1. See text for explanation of methods)

City and State	Name and address of agency furnishing estimates	Areas and groups for which estimates were prepared	Date of latest estimates	Method used	Source
Washington, D.C..	Biostatistics and Health Education Division Department of Public Health Government of the District of Columbia 300 Indiana Avenue Washington 1, D.C. (Mr. John H. Vinyard, Jr.)	District of Columbia by age and color.	July 1, 1959	Bogue-Duncan composite method.	Estimates published annually by the Department of Public Health in <u>Vital Statistics Summary and in Population Estimates.</u>
	Maryland-National Capital Park and Planning Commission 8787 Georgia Avenue Silver Spring, Maryland (Mr. Eli Crupain)	Montgomery and Prince Georges Counties by incorporated places and census tracts.	Jan. 1, 1959	Dwelling unit method.....	Estimates published annually by the Planning Commission in <u>Population Statistics</u> (supplement to the Technical Bulletin).
	Northern Virginia Regional Planning and Economic Development Commission 3150 Wilson Boulevard Arlington, Virginia (Mr. Neil M. Walp)	Metropolitan area by counties and color. Virginia portion by census tracts	Jan. 1, 1959	Dwelling unit method.....	Estimates published by the Commission in <u>People, Land and Livelihood in Northern Virginia.</u>
	Office of Planning Arlington County Government Court House Building 1400 N. Court House Road Arlington, Virginia (Miss Rosama Morris)	Arlington County by census tracts.	Jan. 1, 1960	Dwelling unit method.....	Estimates prepared semiannually and available upon request.
Wichita, Kans....	.....	.....	.....	.....	No estimates reported.