

Source: Chart prepared by U.S. Bureau of the Census. For data, see table 5-12.

Section 10

Federal Government Finances and Employment

This section presents statistics relating to the financial structure and the civilian employment of the Federal Government. The fiscal data cover taxes, other receipts, outlays, and debt. The principal sources of fiscal data are *The Budget of the United States Government* and related documents, published annually by the Office of Management and Budget (OMB), and the Department of the Treasury's *United States Government Annual Report* and its *Appendix*. Detailed data on tax returns and collections are published annually by the Internal Revenue Service. The personnel data relate to staffing and payrolls for the various public functions and agencies, to employee characteristics, and to civil service status; they are published by the Office of Personnel Management and the Bureau of Labor Statistics (see p. 308). The primary source for data on public lands is *Public Land Statistics*, published annually by the Bureau of Land Management, Department of the Interior. Data on federally owned land and real property are collected by the General Services Administration and presented in its annual *Inventory Report on Real Property Owned by the United States Throughout the World*.

Budget concept.—Under the unified budget concept, all Federal monies are included in one comprehensive budget. These monies comprise both Federal funds and trust funds. Federal funds are derived mainly from taxes and borrowing and are not restricted by law to any specific government purpose. Trust funds, such as the Unemployment Trust Fund, collect certain taxes and other receipts for use in carrying out specific purposes or programs in accordance with the terms of the trust agreement or statute. Fund balances include both cash balances with Treasury and investments in U.S. securities. Part of the balance is obligated, part unobligated. In recent years, the budget totals, under provisions of law, have excluded some Federal activities—including the Federal Financing Bank, the Postal Service, the Synthetic Fuels Corporation, and the lending activities of the Rural Electrification Administration. The Balanced Budget and Emergency Deficit Control Act of 1985 (P.L. 99-177) repealed the off-budget status of these entities and placed social security (Federal old-age and survivors insurance and the Federal disability insurance trust funds) off-budget. Though social security is now off-budget and, by law, excluded from coverage of the congressional budget resolutions, it continues to be a Federal program.

Receipts arising from the Government's sovereign powers are reported as governmental receipts; all other receipts, i.e., from business-type or market-oriented activities, are offset against outlays. Outlays are reported on a checks-issued (net) basis (i.e., outlays are recorded at the time the checks to pay bills are issued).

Debt concept.—For most of U.S. history, the total debt consisted of debt borrowed by the Treasury (i.e., public debt). The present debt series, includes both public debt and agency debt. The *gross Federal debt* includes money borrowed by the Treasury and by various Federal agencies; it is the broadest generally used measure of the Federal debt. *Total public debt* is covered by a statutory debt limitation, and includes only borrowing by the Treasury.

Treasury receipts and outlays.—All receipts of the Government, with a few exceptions, are deposited to the credit of the U.S. Treasury regardless of ultimate disposition. Under the Constitution, no money may be withdrawn from the Treasury unless appropriated by the Congress.

The day-to-day cash operations of the Federal Government clearing through the accounts of the U.S. Treasury are reported in the *Daily Treasury Statement*. Extensive detail on the public debt is published in the *Monthly Statement of the Public Debt of the United States*.

Budget receipts such as taxes, customs duties, and miscellaneous receipts, which are collected by Government agencies, and outlays represented by checks issued and cash payments made by disbursing officers as well as government agencies are reported in the *Monthly Treasury Statement of Receipts and Outlays of the United States Government* and in the Treasury's *United States Gov-*

ernment Annual Report and its *Appendix*. These deposits in, and payments from, accounts maintained by Government agencies are on the same basis as the unified budget.

The quarterly *Treasury Bulletin* contains data on fiscal operations and related Treasury activities, including financial statements of Government corporations and other business-type activities.

Income tax returns and tax collections.—Tax data are compiled by the Internal Revenue Service of the Treasury Department. The *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service* gives a detailed account of tax collections by kind of tax and by regions, districts, and States. The agency's annual *Statistics of Income* reports present detailed data from individual income tax returns and corporation income tax returns. The quarterly *Statistics of Income Bulletin* has, in general, replaced the supplemental *Statistics of Income* publications which presented data on such diverse subjects as tax-exempt organizations, unincorporated businesses, fiduciary income tax and estate tax returns, sales of capital assets by individuals, international income and taxes reported by corporations and individuals, and estate tax wealth.

Employment and payrolls.—The Office of Personnel Management collects employment and payroll data from all departments and agencies of the Federal Government, except the Central Intelligence Agency, the National Security Agency, and the Defense Intelligence Agency. Employment figures represent the number of persons who occupied civilian positions at the end of the report month shown and who are paid for personal services rendered for the Federal Government, regardless of the nature of appointment or method of payment.

Federal payrolls include all payments for personal services rendered during the report month and payments for accumulated annual leave of employees who separate from the service. Since most Federal employees are paid on a biweekly basis, the calendar month earnings are partially estimated on the basis of the number of work days in each month where payroll periods overlap.

Federal employment and payroll figures are published by the Office of Personnel Management in its *Federal Civilian Workforce Statistics—Employment and Trends*. It also publishes biennial employment data for minority groups, data on occupations of white- and blue-collar workers, and data on employment by geographic area; reports on salary and wage distribution of Federal employees are published annually. General schedule is primarily white collar; wage system primarily blue collar. Data on Federal employment are also issued by the Bureau of Labor Statistics in its *Monthly Labor Review* and in *Employment and Earnings* and by the Bureau of the Census in its annual *Public Employment*.

Public lands.—The data on applications, entries, selections, patents, and certifications refer to transactions which involve the disposal, under the public land laws (including the homestead laws), of Federal public lands to non-Federal owners. In general, original entries and selections are applications to secure title to public lands which have been accepted as properly filed (i.e., allowed). Some types of applications, however, are not reported until issuance of the final certificate, which passes equitable title to the land to the applicant. Applications are approved when full compliance with the requirements of the laws is shown and become final entries (perfected entries) upon issuance of a final certificate. Patents are Government deeds which pass legal title to the land to the applicant. Certifications are issued in lieu of patents in connection with certain State selections.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Federal Budget Summary

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NO. 497. FEDERAL BUDGET—SUMMARY: 1945 TO 1989

[In billions of dollars, except percent. For fiscal years ending in year shown, see text, section 9. The Balanced Budget and Emergency Deficit Control Act of 1985 put all the previously off-budget Federal entities into the budget and moved Social Security off-budget. Minus sign (-) indicates deficit or decrease. See also *Historical Statistics, Colonial Times to 1970*, series Y 339-342.]

YEAR	RECEIPTS			OUTLAYS				SURPLUS OR DEFICIT (-)			FEDERAL DEBT ^{2,3}				AVERAGE ANNUAL PERCENT CHANGE ¹		PERCENT OF GNP ⁴						
	Total ¹	Fed-eral funds	Trust funds	Total ¹	Fed-eral funds	Trust funds	Human re-sources	Nation-al de-fense	Total ¹	Fed-eral funds	Trust funds	Per cent of Fed-eral out-lays ⁵	Public debt	Total	Interest paid	Out-lays	Re-ceipts	Out-lays	Out-lays	Out-lays			
																					Out-stand-ing gross debt ²	Out-stand-ing gross debt ²	Out-stand-ing gross debt ²
1945	45.2	41.9	3.6	92.7	94.8	-6	1.9	83.0	-47.6	-53.0	4.3	260.1	258.7	1,849	3.8	4.1	2.3	1.5	27.5	43.6	122.5	.1	
1950	38.4	35.3	3.5	62.6	38.4	5.1	14.2	13.7	-3.1	-4.2	-1.6	256.9	256.1	1,688	5.7	13.4	-2.7	-14.4	-1.3	16.0	96.3	.5	
1955	65.5	58.2	3.1	48.4	52.3	3.0	14.9	42.7	-3.0	-4.1	1.2	274.4	272.8	1,651	6.4	9.4	10.7	10.0	0.3	17.7	71.0	4.0	
1960	92.5	75.6	7.8	92.2	74.9	8.1	28.2	48.1	.3	.8	3.8	320.5	284.1	1,572	9.2	10.0	7.2	6.1	1.2	18.2	57.4	10.9	
1965	118.8	90.9	11.5	118.2	84.9	9.2	36.6	50.6	-1.4	-3.9	2.3	322.3	313.8	1,613	11.3	9.6	3.7	-3.2	2.0	17.6	47.9	16.5	
1967	130.4	107.4	12.9	134.5	105.6	10.9	43.3	58.1	-3.7	-5.2	2.1	328.5	316.1	1,605	12.0	8.9	13.0	13.8	1.9	18.2	44.5	18.7	
1968	132.0	114.9	17.6	137.5	124.3	13.6	50.4	61.4	-8.6	-15.7	3.1	340.4	322.9	1,622	13.4	8.5	12.7	17.0	3.6	19.8	42.8	20.4	
1969	153.0	114.9	38.6	176.3	142.3	34.6	58.4	62.9	-23.2	-26.4	4.6	368.7	345.4	1,717	14.5	8.2	2.8	13.1	8.3	21.0	43.7	22.3	
1969	168.9	143.3	20.1	183.6	148.2	15.7	66.4	82.5	3.2	-4.9	4.4	368.7	352.9	1,737	16.5	9.0	22.2	13.1	-3	19.8	39.4	25.2	
1970	192.8	143.2	22.3	195.6	156.3	17.8	75.3	81.7	-2.8	-13.2	4.5	360.9	370.1	1,814	18.3	9.9	3.2	6.5	4.1	18.5	36.5	37.6	
1971	187.1	133.8	26.0	210.2	163.7	22.2	81.9	78.9	-23.0	-29.5	3.6	408.2	397.3	1,921	21.0	10.0	2.6	7.4	7.2	19.5	38.7	32.8	
1972	207.3	148.8	28.4	230.7	178.1	25.5	107.2	79.2	-33.4	-29.3	2.9	435.9	426.4	2,037	21.9	9.4	10.8	6.8	6.5	20.0	37.8	36.9	
1973	230.8	161.4	41.2	245.7	187.0	30.9	119.5	76.7	-24.9	-20.1	10.3	466.3	457.3	2,164	24.2	9.8	11.3	6.5	7.0	19.2	36.4	45.6	
1974	263.2	181.2	46.1	269.4	201.4	33.9	135.8	79.3	-6.1	-20.1	12.2	483.9	474.2	2,223	29.3	9.8	14.0	9.6	3.8	19.0	34.2	52.1	
1975	279.1	187.5	51.0	332.3	248.2	45.6	173.2	86.5	-53.2	-60.7	5.4	541.9	533.2	2,475	32.7	10.8	6.8	6.0	23.4	12.0	21.8	35.6	80.4
1976	298.1	201.1	61.8	371.8	277.2	56.2	203.6	89.6	-73.7	-76.7	5.6	629.0	620.4	2,652	37.1	10.0	6.8	11.9	16.1	21.9	37.0	69.6	
1976 ¹⁰	81.2	54.1	13.3	96.0	66.9	13.8	52.1	22.3	-14.7	-12.8	-5.5	643.6	(NA)	(NA)	(NA)	(NA)	(X)	(X)	(X)	(X)	21.4	35.9	19.4
1977	355.6	241.3	70.3	409.2	304.5	56.9	242.3	97.2	-53.6	-61.3	13.4	706.6	698.5	3,170	41.9	10.2	19.3	10.1	12.3	21.2	36.5	90.7	
1978	398.6	270.5	78.8	458.7	342.4	58.9	242.3	104.5	-59.2	-71.9	13.7	776.1	771.5	3,463	48.7	10.6	12.4	12.1	9.9	21.1	35.8	88.7	
1979	463.3	316.4	86.0	503.5	374.9	65.7	287.6	116.3	-40.2	-58.5	20.3	828.9	826.5	3,669	53.8	11.9	16.0	9.8	6.7	20.6	33.9	100.0	
1980	517.1	350.9	94.7	590.9	433.5	84.8	313.4	134.0	-73.8	-82.6	9.9	908.5	907.7	3,985	74.9	12.7	11.6	17.4	9.6	22.1	34.0	114.3	
1981	593.3	404.2	109.2	642.0	466.2	94.2	324.0	137.5	-78.9	-85.8	11.8	986.8	977.9	4,368	95.6	14.1	15.9	14.8	9.4	22.7	33.3	135.2	
1982	617.8	404.4	122.0	674.2	496.2	104.2	362.0	157.5	-87.9	-94.2	14.2	1,136.6	1,142.0	4,913	117.4	15.4	3.1	10.0	14.3	24.0	36.3	151.4	
1983	690.6	382.3	147.3	698.3	613.2	124.3	398.0	207.4	-134.2	-134.2	15.7	1,257.2	1,257.2	6,070	128.6	15.9	2.8	8.5	20.6	23.8	41.2	171.1	
1984	665.5	415.6	158.1	651.8	637.6	125.4	432.0	267.9	-195.8	-195.8	18.9	1,561.2	1,575.2	6,810	128.6	15.9	10.1	6.2	16.0	24.3	36.3	147.1	
1985	734.1	459.5	197.5	696.3	725.9	152.7	471.8	252.7	-212.3	-266.2	44.8	1,917.0	1,923.1	7,616	178.9	18.9	10.1	11.1	16.2	33.0	42.4	195.8	
1986	769.1	473.5	206.9	940.3	756.5	181.4	481.6	273.4	-221.2	-221.2	53.1	2,120.1	2,125.3	6,793	187.3	18.9	4.8	4.6	16.7	23.9	50.6	183.5	
1987	854.1	537.6	216.6	1,003.8	803.2	183.6	502.2	282.0	-148.7	-222.4	59.0	2,345.6	2,350.3	9,630	195.4	19.5	11.1	1.4	10.6	22.6	52.9	193.8	
1988	905.0	560.3	292.2	1,064.0	813.1	173.2	533.4	290.4	-155.1	-252.9	59.0	2,600.8	2,602.3	10,556	214.1	20.1	6.4	6.0	10.9	22.6	54.4	202.7	
1988 est.	975.5	593.8	250.2	1,137.0	877.2	184.3	571.3	298.3	-161.5	-283.4	65.9	2,868.8	(NA)	(NA)	(NA)	(NA)	6.4	6.0	10.3	22.2	56.0	210.9	

NA: Not available. ¹ Includes off-budget receipts, outlays, and interfund transactions. ² End of fiscal year. See text, section 10 for discussion of debt concept. ³ Source: U.S. Dept. of the Treasury, *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finances through fiscal 1980*; hereafter, *Monthly Statement of the Public Debt of the United States and Treasury Monthly Treasury Statement of Receipts and Outlays of the U.S. Government*. ⁴ Adjusted to exclude nonmarketable issues to the International Monetary Fund and other international institutions for 1950, 1955, 1960, 1965-1974. ⁵ 1940-1976, based on estimated July 1 population; thereafter, based on October 1 resident population; prior to 1950 excludes Alaska and Hawaii. ⁶ Calculated on total expenditures not reduced by interfund transactions representing interest and certain other payments to Treasury through 1950. Beginning 1955, total budget outlays. ⁷ For explanation of average annual percent change, see Guide to Tabular Presentation. ⁸ Gross national product as of fiscal year; for calendar year GNP, see table 803. ⁹ Change from 1944; from previous year shown for all other years. ¹⁰ Represents transition quarter, July-Sept.

Source: Except as noted, U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

NO. 498. FEDERAL RECEIPTS, BY SOURCE: 1980 TO 1989

[In billions of dollars. For fiscal years ending in year shown; see text, section 9. Receipts reflect collections. Covers both Federal funds and trust funds (see text, section 10). Excludes government-sponsored but privately-owned corporations, Federal Reserve System, District of Columbia government, and money held in suspense as deposit funds. See *Historical Statistics, Colonial Times to 1970*, series Y 335-336, Y 343-351, and Y 472-487 for related data.]

SOURCE	1980	1982	1983	1984	1985	1986	1987	1988	1989, est.	PERCENT DISTRIBUTION	
										1980	1989
Total receipts ¹	517.1	617.8	600.6	666.5	734.1	769.1	854.1	909.0	976.5	100.00	100.00
Individual income taxes.....	244.1	297.7	288.9	298.4	334.5	349.0	392.6	401.2	425.2	47.20	43.58
Corporation income taxes.....	64.6	49.2	37.0	56.9	61.3	63.1	83.9	94.5	107.0	12.49	10.87
Social insurance.....	157.8	201.5	209.0	239.4	265.2	283.9	303.3	334.3	363.9	30.52	37.30
Employment taxes and contributions.....	138.7	180.7	185.8	209.7	234.6	255.1	273.0	305.1	336.0	26.83	34.45
Old-age and survivors insurance.....	96.6	122.8	129.0	150.3	169.8	182.5	194.5	220.3	243.5	18.68	24.96
Disability insurance.....	16.6	20.6	18.3	15.8	16.3	17.7	18.9	21.2	23.3	3.22	2.39
Hospital insurance.....	23.2	34.3	35.6	40.3	44.9	51.3	58.0	59.9	65.5	4.49	6.72
Railroad retirement/pension fund.....	2.3	2.9	2.8	3.3	2.2	2.1	2.2	2.3	2.3	0.45	.24
Railroad social security equiv. account.....	-	-	-	-	1.4	1.4	1.4	1.4	1.4	(x)	.14
Unemployment insurance.....	15.3	16.6	18.8	25.1	25.8	24.1	25.6	24.6	23.1	2.97	2.37
Other retirement contributions.....	3.7	4.2	4.4	4.6	4.8	4.7	4.7	4.7	4.7	.72	.48
Employees retirement contributions.....	3.7	4.1	4.4	4.5	4.7	4.6	4.6	4.5	4.6	.71	.47
Contributions for non-Federal employees.....	-	-	-	-	-	-	-	-	-	.01	.01
Excise taxes.....	24.3	36.9	35.3	37.4	36.0	32.9	32.5	35.2	34.0	4.70	3.48
Federal funds.....	15.8	28.7	24.1	22.3	19.1	16.1	14.8	16.2	13.4	3.01	1.37
Alcohol taxes.....	5.6	5.4	5.6	5.3	5.6	5.8	6.0	5.7	5.6	1.08	.58
Tobacco taxes.....	2.4	2.5	4.1	4.7	4.8	4.6	4.8	4.6	4.5	.47	.46
Trust funds.....	8.8	7.6	11.2	15.1	16.9	16.9	17.8	19.0	20.6	1.70	2.11
Highways.....	6.6	6.7	8.3	11.7	13.0	13.4	13.0	14.1	14.9	1.28	1.53
Airport and airway.....	1.9	1.1	2.2	2.5	2.9	2.7	3.1	3.2	3.7	.36	.38
Black lung disability.....	.3	.5	.5	.5	.6	.5	.6	.6	.6	.05	.06
Inland waterway.....	-	(2)	(2)	(2)	(2)	(2)	(2)	(2)	1	(x)	.01
Hazardous substance response.....	-	.2	.2	.3	.3	.2	.6	.7	.9	(x)	.10
Aquatic resources.....	-	-	-	(2)	.1	.2	.2	.2	.2	(x)	.02
Leaking underground storage fund.....	-	-	-	-	-	-	-	-	-	(x)	.01
Vaccines injury compensations fund.....	-	-	-	-	-	-	-	.1	.1	(x)	.01
Estate and gift taxes.....	6.4	8.0	6.1	6.0	6.4	7.0	7.5	7.6	7.9	1.24	.81
Customs duties.....	7.2	8.9	8.7	11.4	12.1	13.3	15.1	16.2	16.3	1.39	1.67
Federal Reserve deposits.....	11.8	15.2	14.5	15.7	17.1	18.4	16.8	17.2	18.0	2.28	1.85

- Represents zero. X Not applicable. Z Less than \$50 million. ¹Totals reflect interfund and intragovernmental transactions and/or other functions, not shown separately. ²Includes other sources not shown separately.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

NO. 499. FEDERAL OUTLAYS, BY DETAILED FUNCTION: 1980 TO 1989

[In billions of dollars. For fiscal years ending in year shown; outlays stated in terms of checks issued or cash payments. See headnote, table 498.]

FUNCTION	1980	1982	1983	1984	1985	1986	1987	1988	1989, est.	PERCENT DISTRIBUTION	
										1980	1989
Total outlays ¹	590.9	745.7	808.3	851.8	948.3	990.3	1,003.8	1,064.0	1,137.0	100.00	100.00
National defense ¹	134.0	185.3	209.0	227.4	252.7	273.4	282.0	290.4	298.3	22.68	26.24
Dept. of Defense, military.....	130.9	180.7	204.4	220.9	245.1	265.5	274.0	281.9	289.8	22.15	25.49
Atomic energy defense activities.....	2.9	4.3	5.2	6.1	7.1	7.4	7.5	7.9	7.9	.49	.69
Defense related activities.....	.2	.3	.3	.4	.5	.5	.6	.5	.5	.04	.04
International affairs ¹	12.7	12.3	11.8	15.9	16.2	14.2	11.6	10.5	10.7	2.15	.94
International development and humanitarian assistance.....	3.6	3.8	4.0	4.5	5.4	5.0	4.3	4.7	4.9	.61	.43
Conduct of foreign affairs.....	1.4	1.6	1.8	1.9	2.0	2.3	2.2	2.7	2.8	.23	.25
Foreign information and exchange.....	.5	.6	.6	.7	.8	.9	1.0	1.1	1.2	.09	.11
International financial programs activities.....	2.4	.9	-1.1	.9	-1.5	-4.5	-3.0	-2.5	-1.0	.41	-.09
International security assistance.....	4.8	5.4	6.6	7.9	9.4	10.5	7.1	4.5	2.8	.81	.25
Income security	86.5	107.7	122.8	112.7	128.2	119.8	123.3	129.3	136.9	14.64	12.04
General retirement and disability insurance.....	5.1	5.8	5.6	5.4	5.6	5.3	5.6	5.3	5.6	.66	.49
Federal employee retirement and disability.....	26.6	34.3	36.5	38.1	38.6	41.4	43.7	46.9	49.4	4.50	4.34
Housing assistance.....	5.6	8.7	10.0	11.3	25.3	12.4	12.7	13.9	15.3	.95	1.35
Food and nutrition assistance.....	14.0	15.6	18.0	18.1	18.5	18.6	18.9	20.1	21.3	2.37	1.87
Other income security.....	17.2	19.8	21.1	21.4	22.7	24.4	25.3	27.9	29.6	2.91	2.60
Unemployment insurance.....	18.1	23.7	31.5	18.4	17.5	17.8	17.1	15.3	15.8	3.05	1.39
Health	23.2	27.4	28.6	30.4	35.5	35.9	40.0	44.5	49.8	3.92	3.38
Health care services.....	18.0	21.8	23.0	24.5	27.0	28.9	32.6	36.0	40.5	3.05	3.56
Health research.....	3.4	3.9	4.0	4.4	4.9	5.4	5.6	6.6	7.3	.58	.64
Education and training of health care workforce.....	.7	.7	.6	.4	.5	.5	.6	.5	.5	.12	.04
Consumer and occupational health and safety.....	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	.17	.11
Social Security and Medicare	150.6	202.5	223.3	235.8	254.4	268.9	282.5	298.2	319.1	25.49	28.07
Social Security.....	118.5	156.0	170.7	178.2	188.6	198.8	207.4	219.3	232.3	20.06	20.43
Medicare.....	32.1	46.6	52.6	57.5	65.8	70.2	75.1	78.9	86.7	5.43	7.63

See footnotes at end of table.

NO. 499. FEDERAL OUTLAYS, BY DETAILED FUNCTION: 1980 TO 1989—Continued

(In billions of dollars. See headnote, p. 310)

SOURCE OR FUNCTION	1980	1982	1983	1984	1985	1986	1987	1988	1989, est.	PERCENT DISTRIBUTION	
										1980	1989
Veterans benefits and services ¹	21.2	24.0	24.8	25.6	26.3	26.4	26.8	29.4	29.2	3.59	2.57
Income security.....	11.7	13.7	14.3	14.4	14.7	15.0	15.0	16.0	15.6	1.98	1.37
Education, training, and rehabilitation.....	2.3	1.9	1.6	1.4	1.1	.5	.5	.5	.4	.40	.04
Hospital and medical care.....	6.5	7.5	8.3	8.9	9.5	9.9	10.3	10.8	11.2	1.10	.99
Housing.....	(-2)	.1	(2)	.2	.2	.1	.3	1.3	1.1	(x)	.10
Education, training, employment, and social services ¹	31.8	27.0	26.6	27.8	29.3	30.6	29.7	31.9	36.4	5.39	3.20
Elementary, secondary, and vocational education.....	6.9	6.8	6.3	6.5	7.6	7.8	7.9	8.4	9.2	1.17	.81
Higher education.....	6.7	7.2	7.2	7.4	8.2	8.4	7.4	8.3	9.9	1.14	.87
Research and general education aids.....	1.2	1.0	1.1	1.2	1.1	1.2	1.3	1.3	1.4	.20	.12
Training and employment.....	10.3	5.5	5.3	4.6	5.0	5.3	5.1	5.2	5.4	1.75	.47
Social services.....	6.1	8.0	6.1	7.2	6.7	7.2	7.4	8.0	9.7	1.03	.85
Commerce and housing credit	9.4	6.3	6.7	6.9	4.2	4.9	6.2	18.8	20.0	1.59	1.76
Mortgage credit and thrift insurance.....	5.6	4.0	3.9	3.8	.9	2.3	3.1	15.0	17.2	.95	1.51
Payment to Postal Service.....	1.2	.2	1.1	1.2	1.4	.8	1.6	2.2	.6	.21	.05
Other commerce.....	2.5	2.1	1.7	1.9	2.0	1.8	1.5	1.6	2.2	.43	.19
Transportation ¹	21.3	20.6	21.3	23.7	25.8	28.1	26.2	27.3	28.0	3.61	2.46
Ground transportation.....	15.3	14.3	14.3	16.2	17.6	18.7	17.2	18.1	17.9	2.58	1.57
Air transportation.....	3.7	3.5	4.0	4.4	4.9	5.3	5.5	5.9	6.5	.63	.57
Water transportation.....	2.2	2.7	3.0	3.0	3.2	4.0	3.5	3.1	3.4	.38	.30
Natural resources and environment ¹	13.9	13.0	12.7	12.6	13.4	13.6	13.4	14.6	16.5	2.35	1.45
Water resources.....	4.2	3.9	3.9	4.1	4.1	4.0	3.8	4.0	4.4	.71	.39
Conservation and land management.....	1.0	1.1	1.5	1.3	1.5	1.4	1.5	2.2	3.3	.18	.29
Recreational resources.....	1.7	1.4	1.5	1.6	1.6	1.5	1.6	1.7	1.7	.28	.15
Pollution control and abatement.....	5.5	5.0	4.3	4.0	4.5	4.8	4.9	4.8	5.1	.93	.45
Other natural resources.....	1.4	1.5	1.5	1.6	1.7	1.9	1.7	1.8	2.0	.24	.18
Energy ¹	10.2	13.5	9.4	7.1	5.7	4.7	4.1	2.3	4.1	1.72	.36
Supply.....	8.4	8.3	6.1	3.3	2.6	2.8	2.3	.7	2.4	1.42	.21
Conservation.....	.6	.5	.5	.5	.5	.5	.3	.3	.3	.10	.03
Emergency preparedness.....	.3	3.9	1.9	2.5	1.8	.6	.8	.6	.7	.06	.06
Information, policy, and regulation.....	.9	.9	.9	.8	.7	.8	.7	.6	.7	.15	.06
Community and regional development	11.3	8.3	7.6	7.7	7.7	7.2	5.1	5.3	6.3	1.90	.55
Community development.....	4.9	4.6	4.4	4.5	4.6	4.1	3.7	3.4	3.8	.83	.33
Area and regional development.....	4.3	3.8	3.2	3.0	3.1	2.7	1.6	2.1	2.4	.73	.21
Disaster relief and insurance.....	2.0	-.1	(-2)	.1	(-2)	.4	-.2	-.2	.1	.35	.01
Agriculture ¹	8.8	15.9	22.9	13.6	25.6	31.4	26.6	17.2	20.9	1.50	1.84
Farm income stabilization.....	7.4	14.3	21.3	11.9	23.8	29.6	24.7	15.2	18.8	1.26	1.65
Research and services.....	1.4	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.1	.24	.18
Net interest	52.6	85.0	69.8	111.1	129.4	136.0	138.6	151.7	165.7	8.89	14.57
General science, space, and technology ²	5.8	7.2	7.9	8.3	8.6	9.0	9.2	10.8	12.6	.99	1.11
General science and basic research.....	1.4	1.6	1.6	1.8	2.0	2.2	2.3	2.4	2.7	.23	.24
Space flight.....	2.6	3.5	4.1	4.0	4.0	3.8	4.1	5.0	6.2	.44	.55
Space science, applications and technology.....	1.9	2.1	2.2	2.4	2.6	3.0	2.8	3.4	3.6	.31	.32
General government ¹	13.0	10.9	11.2	11.8	11.6	12.5	7.6	9.5	10.0	.75	.88
Legislative functions.....	1.0	1.2	1.2	1.3	1.4	1.4	1.4	1.6	1.7	.18	.15
Management, direction (Exec.).....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.02	.01
Central fiscal operations.....	2.6	2.6	3.1	3.3	3.5	3.6	3.9	4.8	5.5	.44	.48
General property and records management.....	.3	.2	.2	.2	.1	.5	.1	-.2	.1	.06	.01
General purpose fiscal assistance	8.6	6.4	6.5	6.8	6.4	6.4	1.6	1.8	1.9	1.45	.17
Administration of justice	4.6	4.7	5.1	5.7	6.3	6.6	7.5	9.2	9.4	.78	.83
Federal law enforcement.....	2.2	2.5	2.9	3.2	3.5	3.6	4.1	5.1	4.7	.38	.41
Federal judicial activities ³	1.3	1.5	1.6	1.8	2.1	2.2	2.5	2.9	3.2	.23	.28
Federal correctional activities.....	.3	.4	.4	.5	.5	.6	.7	.9	1.2	.06	.11
Criminal justice assistance.....	.7	.3	.2	.1	.2	.2	.3	.4	.4	.11	.04
Undistributed offsetting receipts	-19.9	-26.1	-34.0	-32.0	-32.7	-33.0	*-36.5	-37.0	-36.9	-3.37	-3.25
Employer share, employee retirement.....	-15.8	-19.8	-23.5	-25.3	-27.2	-28.3	-30.6	-33.4	-34.3	-2.68	-3.02
Rents and royalties ⁵	-4.1	-6.3	-10.5	-6.7	-5.5	-4.7	-4.0	-3.5	-2.7	-.69	-.24

X Not applicable. Z Less than \$50 million. ¹ Totals reflect interfund and intragovernmental transactions and/or other functions, not shown separately. ² Includes supporting space activities. ³ Includes litigative activities. ⁴ Includes sale of major assets (-1.9), not shown separately. ⁵ On Outer Continental Shelf.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

NO. 500. FEDERAL BUDGET OUTLAYS IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1989

[For fiscal years ending in year shown; see text, section 9. Given the inherent imprecision in deflating outlays, the data shown in constant dollars present a reasonable perspective—not precision. The deflators and the categories that are deflated are as comparable over time as is feasible. See headline, table 497. Minus sign (-) indicates decrease.]

YEAR	CURRENT DOLLARS					CONSTANT (1982) DOLLARS						
	Total	National defense	Total non-defense ¹	Payments for individuals ²	Net interest ³	Aid to State and local govt.	Total	National defense	Total non-defense ¹	Payments for individuals ²	Net interest ³	Aid to State and local govt.
TOTAL OUTLAYS (bil. dol.)												
1970.....	195.6	81.7	114.0	64.7	14.4	24.0	509.4	225.6	283.7	152.2	34.7	61.1
1971.....	210.2	78.9	131.3	80.4	14.8	28.1	509.4	202.7	306.7	161.0	34.0	66.7
1972.....	230.7	79.2	151.5	92.9	15.5	34.3	527.6	190.9	336.7	200.1	33.6	77.1
1973.....	245.7	76.7	169.0	104.5	17.3	44.8	552.4	175.1	377.3	215.7	35.9	86.7
1974.....	269.4	79.3	190.0	120.1	21.4	49.3	528.7	163.3	365.3	228.4	41.1	84.5
1975.....	332.3	86.5	245.8	153.5	23.2	49.7	586.0	159.8	426.2	265.8	40.4	87.0
1976.....	371.8	89.6	282.2	180.1	26.7	59.0	609.8	153.6	456.2	291.7	43.0	96.1
1976, TQ ⁴	96.0	22.3	73.7	45.4	6.9	15.9	152.4	37.1	115.3	71.2	10.8	25.1
1977.....	409.2	97.2	312.0	196.3	29.9	68.3	622.6	154.3	468.3	295.5	44.6	103.5
1978.....	458.7	104.5	354.2	211.0	35.4	77.8	652.2	155.0	497.1	296.8	49.4	109.7
1979.....	503.5	116.3	387.1	232.9	42.6	82.8	660.2	159.1	501.0	301.6	54.7	106.6
1980.....	590.9	134.0	456.9	277.5	52.5	91.4	699.1	164.0	535.1	324.7	62.0	105.8
1981.....	678.2	157.5	520.7	323.4	68.7	94.7	726.5	171.4	555.2	344.3	73.7	100.6
1982.....	745.7	185.3	560.4	356.7	85.0	88.1	745.7	185.3	560.4	356.7	85.0	89.2
1983.....	808.3	209.9	598.4	395.4	89.8	92.4	775.0	201.3	573.7	378.6	86.1	88.7
1984.....	851.8	227.4	624.4	399.8	111.1	87.5	788.1	211.3	576.8	368.7	102.7	90.1
1985.....	946.3	252.7	693.6	425.6	129.4	105.7	849.8	230.0	619.7	380.0	116.0	93.9
1986.....	990.3	273.4	716.9	449.4	136.0	112.2	867.5	243.7	623.8	390.6	117.7	96.8
1987.....	1,003.8	282.0	721.8	469.4	138.8	108.2	857.8	250.3	607.4	383.1	117.2	90.6
1988.....	1,064.0	290.4	773.7	496.8	151.7	115.1	879.2	252.9	626.3	400.1	124.4	92.3
1989, est.....	1,137.0	298.3	838.8	534.5	165.7	123.3	902.4	250.0	652.4	412.3	130.7	94.5
PERCENT DISTRIBUTION												
1970.....	100.0	41.8	58.2	33.1	7.4	12.3	100.0	44.3	55.7	29.9	6.8	12.0
1971.....	100.0	37.5	62.5	38.3	7.1	13.3	100.0	39.8	60.2	35.5	6.7	13.1
1972.....	100.0	34.3	65.7	40.3	6.7	14.9	100.0	36.2	63.8	37.9	6.4	14.6
1973.....	100.0	31.2	68.8	42.5	7.1	17.0	100.0	33.2	66.8	40.9	6.8	16.8
1974.....	100.0	29.5	70.5	44.6	8.0	16.1	100.0	30.9	69.1	43.2	7.8	16.0
1975.....	100.0	26.0	74.0	46.2	7.0	14.9	100.0	27.3	72.7	45.4	6.9	14.8
1976.....	100.0	24.1	75.9	48.4	7.2	15.9	100.0	25.2	74.8	47.8	7.1	15.8
1976, TQ ⁴	100.0	23.2	76.8	47.3	7.2	16.6	100.0	24.3	75.7	46.7	7.1	16.5
1977.....	100.0	23.8	76.2	48.0	7.3	16.7	100.0	24.8	75.2	47.5	7.2	16.6
1978.....	100.0	22.8	77.2	46.0	7.7	17.0	100.0	23.8	76.2	45.5	7.6	16.8
1979.....	100.0	23.1	76.9	46.3	8.5	16.4	100.0	24.1	75.9	45.7	8.3	16.1
1980.....	100.0	22.7	77.3	47.0	8.9	15.5	100.0	23.5	76.5	46.4	8.9	15.1
1981.....	100.0	23.2	76.8	47.7	10.1	13.9	100.0	23.8	76.4	47.4	10.1	13.8
1982.....	100.0	24.8	75.1	47.8	11.4	11.8	100.0	24.8	75.1	47.8	11.4	11.8
1983.....	100.0	25.9	74.0	48.8	11.4	11.4	100.0	26.0	74.0	48.8	11.1	11.4
1984.....	100.0	26.7	73.3	46.9	13.0	11.4	100.0	26.8	73.2	46.7	13.0	11.4
1985.....	100.0	26.7	73.3	45.0	13.7	11.2	100.0	27.1	72.9	44.7	13.7	11.1
1986.....	100.0	27.6	72.4	39.7	13.7	11.4	100.0	26.1	71.9	45.0	13.7	11.2
1987.....	100.0	28.1	71.9	46.8	13.8	10.8	100.0	29.2	70.8	45.8	13.7	10.6
1988.....	100.0	27.3	72.7	48.9	14.3	10.8	100.0	28.8	71.2	45.5	14.1	10.5
1989, est.....	100.0	26.2	73.8	47.1	14.6	10.8	100.0	27.7	72.3	45.7	14.5	10.5
ANNUAL PERCENT CHANGE												
1970-1971.....	7.4	-3.5	15.2	24.3	3.2	16.8	-	-10.2	8.1	18.9	-2.0	9.2
1971-1972.....	9.8	4	15.4	15.5	4.3	22.3	3.6	-5.8	9.8	10.6	-1.2	15.6
1972-1973.....	6.5	-3.1	11.6	12.5	12.1	21.7	(-2)	-8.3	4.7	7.8	6.8	15.0
1973-1974.....	9.6	3.5	12.4	14.9	23.6	3.6	2	-6.7	3.7	5.9	14.5	-4.7
1974-1975.....	23.4	9.0	29.4	27.8	8.4	14.8	10.8	-2.1	16.7	16.4	-1.7	3.0
1975-1976.....	11.9	3.6	14.8	17.3	14.9	18.7	4.1	-3.9	7.0	9.7	6.4	10.5
1976-1977.....	10.1	8.5	10.6	9.0	11.9	15.8	2.1	.5	2.7	1.3	3.7	7.7
1977-1978.....	12.1	7.5	13.6	7.5	18.6	13.9	4.8	.5	6.1	.4	10.8	6.0
1978-1979.....	9.8	11.3	9.8	10.4	20.2	6.3	1.2	2.6	.8	1.6	10.7	-2.8
1979-1980.....	17.4	15.2	18.0	19.2	23.2	10.4	5.9	3.1	6.8	7.7	13.3	-.8
1980-1981.....	14.8	17.6	14.0	16.5	30.9	3.6	3.9	4.5	3.8	6.0	18.9	-4.9
1981-1982.....	10.0	17.6	7.8	10.3	23.7	-6.9	2.6	8.1	.9	3.6	15.3	-12.3
1982-1983.....	8.5	13.3	8.5	10.8	5.6	4.0	3.9	8.6	2.3	6.1	1.3	.6
1983-1984.....	5.2	8.3	4.1	1.1	23.7	5.5	1.7	5.0	.5	-2.6	19.3	1.6
1984-1985.....	11.1	11.1	11.1	6.5	16.5	8.5	7.7	8.5	3.7	3.0	12.9	4.1
1985-1986.....	4.6	8.2	3.4	5.6	5.1	6.1	2.1	5.9	6	2.8	2.2	2.9
1986-1987.....	1.4	3.1	.8	4.5	1.9	-3.5	-1.7	2.8	-2.1	1.2	-.8	-6.3
1987-1988.....	6.0	3.0	7.2	6.3	9.5	6.4	2.5	1.0	3.1	1.8	6.1	1.9
1988-1989, est.....	6.9	2.7	8.4	7.2	9.2	-2.4	2.6	-1.1	4.2	3.0	5.1	2.4

- Represents zero. Z Less than .05 percent. ¹ Includes other outlays not shown separately. ² Includes small grant-in-aid to State and local governments. ³ Total interest less interest received by trust funds. ⁴ Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

Trust Fund Receipts, Outlays, and Balances

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NO. 501. FEDERAL TRUST FUND RECEIPTS, OUTLAYS, AND BALANCES: 1970 TO 1989

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Receipts based on collections received and deposited. Outlays stated on a checks-issued basis, less refunds collected. Balances: That portion of funds authorized for use which have not been spent. See text, section 10 for discussion of the budget concept and trust funds]

TYPE OF FUND	1970	1975	1980	1984	1985	1986	1987	1988	1989, est.
Total receipts ¹	59.4	118.6	213.9	338.1	383.9	407.2	430.0	473.7	517.0
OASDI ² trust funds	31.7	66.7	117.4	181.1	200.3	200.2	227.6	259.1	289.3
Health insurance trust funds	11.9	15.9	35.7	68.3	75.5	81.4	90.5	103.0	119.1
Federal employees retirement funds	4.7	11.5	24.5	36.8	40.9	43.3	44.0	47.0	49.0
Unemployment insurance funds	4.1	8.2	16.2	29.9	28.6	26.1	27.6	27.0	26.4
Highway trust funds	5.5	6.8	7.6	12.9	14.3	14.7	14.3	15.3	16.1
Railroad employees retirement funds	1.7	2.8	4.4	8.4	9.1	9.9	9.3	10.0	10.0
Foreign military sales trust funds	—	4.4	7.7	11.2	9.6	10.7	8.5	9.0	8.6
Airport and airway trust funds	—	1.1	2.3	3.0	3.6	3.6	3.9	4.1	4.7
State and local fiscal assistance trust funds ³	—	6.2	6.9	4.6	4.6	4.2	—	—	—
Veterans life insurance funds	.8	.9	1.1	1.3	1.3	1.4	1.4	1.4	1.4
Total outlays ¹	49.1	111.2	205.1	305.2	329.5	344.9	357.4	375.9	395.1
OASDI ² trust funds	27.3	64.7	118.6	180.9	191.0	199.8	208.1	220.3	233.3
Health insurance trust funds	10.1	14.8	35.0	62.7	71.4	75.9	81.6	87.7	98.4
Federal employees retirement funds	2.8	7.1	14.9	22.1	23.3	24.3	26.0	28.4	29.9
Unemployment insurance funds	3.6	13.2	16.4	26.1	23.8	21.8	20.5	18.6	17.8
Highway trust funds	4.4	4.8	9.2	10.6	13.3	14.8	13.5	14.7	14.6
Railroad employees retirement funds	1.6	3.1	4.7	5.7	7.9	8.1	8.6	9.0	9.3
Foreign military sales trust funds	1.0	3.5	6.8	10.9	9.8	9.7	9.9	9.1	8.7
Airport and airway trust funds	—	.6	1.2	1.4	2.6	2.4	2.6	2.9	2.8
State and local fiscal assistance trust funds ⁴	—	6.1	6.8	4.6	4.6	5.1	—	—	—
Veterans life insurance funds	.8	.8	1.0	1.0	1.0	1.1	1.1	1.1	1.2
Balances	97.3	142.6	192.4	261.4	315.5	378.2	450.2	548.4	672.6
OASDI ² trust funds	32.6	48.2	32.3	32.2	39.8	45.9	65.4	104.2	160.3
Health insurance trust funds	7.8	11.3	19.0	26.0	32.0	48.1	57.0	72.4	93.0
Federal employees retirement funds	22.5	38.8	74.3	125.9	143.5	162.5	180.5	199.1	218.1
Unemployment insurance trust fund	13.1	7.4	14.9	13.9	18.7	22.9	30.0	38.4	47.0
Highway trust funds	2.6	9.6	11.0	11.8	12.9	12.8	13.6	14.2	15.7
Railroad employees retirement accounts	4.8	4.3	2.7	3.1	4.2	6.1	6.6	7.7	8.4
Foreign military sales trust fund	.5	2.1	5.2	5.6	5.5	6.5	5.1	5.0	4.9
Airport and airway trust fund	—	2.0	5.4	6.4	7.4	8.6	9.9	11.1	13.0
State and local fiscal assistance trust funds	—	1.7	1.8	1.2	1.2	.3	.2	.2	.2
Veterans life insurance funds	7.1	7.7	8.5	9.4	9.7	10.0	10.1	10.4	10.7
Trust revolving funds	5.5	8.9	15.5	22.3	25.3	25.7	27.3	26.7	26.6
Other trust funds (nonrevolving)	.6	.7	1.7	3.4	3.9	5.1	6.7	7.5	8.6
Military retirement fund	(x)	(x)	(x)	—	11.4	23.7	37.5	51.5	66.1

— Represents zero. X Not applicable. ¹ After deductions for intrafund transactions, proprietary receipts from public receipts from off-budget Federal agencies, and receipts and outlays from trust funds, not shown separately. ² Old-age, survivors, and disability insurance. ³ Deposits for general revenue sharing. ⁴ Payments for general revenue sharing.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 502. EXECUTIVE CONTROLLABILITY OF FEDERAL BUDGET OUTLAYS: 1970 TO 1989

[In billions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Outlays considered relatively uncontrollable are those which can neither be increased nor decreased by Presidential decisions without a change in existing Federal laws or are beyond administrative control, such as benefit payments that beneficiaries are entitled to by law or contractual agreement or other existing legally binding commitments. This table is based on a Presidential perspective]

OUTLAYS	1970	1975	1980	1984	1985	1986	1987	1988	1989, est.
Total outlays	195.6	332.3	590.9	851.8	946.3	989.8	1,004.6	1,064.0	1,137.0
Relatively uncontrollable outlays	120.3	222.2	413.8	624.1	689.4	745.4	769.3	807.4	865.1
Percent of total outlays	61.5	66.9	70.0	73.3	72.9	75.3	76.6	75.9	76.1
Open-ended programs and fixed costs ¹	78.3	168.9	310.7	478.8	527.2	564.1	584.0	620.6	668.2
Payments for individuals ²	60.1	139.5	246.6	357.4	380.5	402.6	421.7	448.0	481.5
Social Security and railroad retirement	30.7	67.3	120.0	179.3	189.9	199.9	208.6	220.3	233.7
Medical care	9.4	20.6	47.2	79.9	91.0	97.8	105.9	117.7	128.7
Federal employees' retirement and insurance ²	8.7	18.4	34.7	49.0	49.8	52.9	55.2	59.3	60.9
Food and nutrition assistance	(x)	1.6	3.5	3.6	3.7	3.8	4.1	4.3	4.7
Public assistance and related programs	6.4	12.2	17.5	21.0	22.2	24.5	25.7	28.8	31.2
Unemployment assistance	3.1	12.8	16.8	16.9	16.1	16.3	15.7	13.8	14.3
Net interest	14.4	23.2	52.5	111.1	129.4	138.0	138.6	151.7	165.7
Farm price supports ³	3.8	.6	2.8	7.3	17.7	25.8	22.4	12.2	13.9
Prior-year contracts and obligations ⁴	41.9	53.3	103.2	145.3	162.2	181.3	185.3	186.8	196.9
Relatively controllable outlays	83.8	113.2	178.7	243.0	284.1	272.7	265.9	290.1	306.3
National defense	57.6	64.2	97.4	147.8	160.5	165.4	169.1	174.8	181.9
Civilian programs	26.3	49.1	81.3	95.2	123.6	107.3	96.8	115.3	124.4
Undistributed employer share, employee retirement	-8.4	-11.2	-15.8	-25.3	-27.2	-28.3	-30.6	-33.4	-34.3

X Not applicable. ¹ Includes other outlays not shown separately. ² Includes items previously classified in the veterans' benefits grouping. ³ Prices from Commodity Credit Corporation. ⁴ Excludes prior year contracts and obligations for items under open-ended programs and fixed costs.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

**NO. 503. REVENUE LOSSES ESTIMATES FOR SELECTED "TAX EXPENDITURES" BY FUNCTION:
1985 TO 1989**

[In millions of dollars. For years ending Sept. 30, except as noted. Tax expenditures are defined as "revenue losses attributable to provisions of the Federal tax laws which allow a special exclusion, exemption, or deduction from gross income or which provide a special credit, a preferential rate of tax, or a deferral of liability." Represents tax expenditures of \$1 billion or more in 1989]

DESCRIPTION	1985	1986	1987	1988	1989
National defense:					
Exclusion of benefits and allowances to Armed Forces personnel.....	1,955	2,095	2,000	1,890	1,900
International affairs:					
Exclusion of income earned abroad by United States citizens.....	1,405	1,490	1,330	1,220	1,305
Inventory property sales source rules exception.....	(x)	(x)	1,845	2,625	2,915
Natural resources and environment:					
Exclusion of interest on State and local IDB ¹ for pollution control and sewage and waste disposal facilities.....	1,250	1,600	1,715	1,635	1,555
Commerce and housing credit:					
Exclusion of interest on small issue IDB ¹	475	2,775	2,925	2,705	2,510
Exclusion of interest on life insurance savings.....	2,175	6,990	5,425	5,410	5,580
Deductibility of interest on consumer credit.....	15,530	17,945	11,845	6,530	3,280
Deductibility of mortgage interest on owner-occupied homes.....	24,785	30,435	34,745	33,675	32,180
Deductibility of property tax on owner-occupied homes.....	9,315	8,560	10,285	10,100	10,410
Exclusion of interest on State and local housing bonds for owner-occupied housing.....	1,686	2,050	2,010	1,765	1,640
Exclusion of interest on State and local debt for rental housing.....	755	1,240	1,385	1,235	1,135
Deferral of capital gains on home sales.....	1,775	1,985	2,575	3,700	3,910
Exclusion of capital gains on home sales for persons age 55 and over.....	830	925	2,160	2,940	3,190
Carryover basis of capital gains at death.....	4,355	4,940	5,710	11,540	12,485
Investment credit, other than ESOP, ² rehabilitation of structures, energy property, and reforestation expenditures.....	24,445	20,055	13,305	9,150	6,530
Accelerated depreciation of machinery and equipment ³	20,145	39,010	13,280	23,700	30,600
Reduced rates on the first \$100,000 of corporate income:					
Pre-1983 budget method.....	5,015	4,645	3,710	2,815	2,855
Exception from passive loss rules for \$25,000 of rental losses.....	(x)	(x)	² 350	1,145	1,060
Education, training, employment, and social services:					
Deductibility of charitable contributions (education).....	1,345	1,640	1,720	1,565	1,530
Credit for child and dependent care expenses.....	2,700	3,170	3,475	3,390	3,495
Deductibility of charitable contributions, other than education and health.....	10,175	12,620	12,095	10,515	10,205
Health:					
Exclusion of employer contributions for medical insurance premiums and medical care.....	21,095	23,435	24,550	24,690	27,650
Deductibility of medical expenses.....	3,620	3,755	3,150	1,960	2,155
Exclusion of interest on State and local debt for private nonprofit health facilities.....	1,405	2,235	2,570	2,230	2,025
Deductibility of charitable contributions (health).....	1,615	2,000	1,570	1,405	1,370
Social Security and medicare:					
Exclusion of Social Security benefits:					
Disability insurance benefits.....	1,170	1,195	1,170	1,095	1,085
OASI benefits for retired workers.....	12,955	13,275	14,285	13,425	13,465
Benefits for dependents and survivors.....	3,755	3,905	3,025	2,840	2,870
Income security:					
Exclusion of workmen's compensation benefits.....	2,225	2,425	2,740	2,910	2,845
Net exclusion of pension contributions and earnings:					
Employer plans.....	48,525	48,950	45,335	44,180	46,050
Individual Retirement Accounts.....	12,695	14,890	13,890	8,820	8,860
Keoghs.....	1,960	2,135	2,355	1,655	1,290
Exclusion of other employee benefits:					
Premiums on group term life insurance.....	2,055	2,200	1,940	1,940	2,065
Additional deduction for the elderly ⁴	(x)	(x)	1,630	1,535	1,155
Veterans benefits and services:					
Exclusion of veterans disability compensation.....	1,695	1,700	1,615	1,505	1,450
General purpose fiscal assistance:					
Exclusion of interest on public purpose State and local debt.....	8,060	9,590	10,880	10,350	10,290
Deductibility of nonbusiness State and local taxes other than on owner-occupied homes.....	21,455	23,985	22,480	17,250	17,305
Tax credit for corporations receiving income from doing business in United States possessions.....	1,660	1,895	1,895	1,810	1,845

X Not applicable. ¹ Industrial development bonds. ² Employee stock ownership plans. ³ Pre-1983 budget method.
⁴ Data on calendar year basis.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 504. FEDERAL BUDGET OUTLAYS, BY AGENCY: 1980 TO 1989

[In billions of dollars. For fiscal year ending in year shown; see text, section 9]

DEPARTMENT OR OTHER UNIT	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989, est.
Total	590.9	678.2	745.7	808.3	851.8	946.3	990.3	1,003.8	1,064.0	1,137.0
Legislative branch.....	1.2	1.2	1.4	1.4	1.6	1.6	1.7	1.8	1.9	2.2
The Judiciary.....	.6	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.5
Executive Office of the President ¹.....	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
Funds appropriated to President ²	8.5	8.2	7.9	7.9	10.8	11.9	11.0	10.4	7.3	5.6
Departments:										
Agriculture.....	34.8	41.6	45.7	52.4	42.0	55.5	58.7	49.6	44.0	52.1
Commerce.....	3.1	2.3	2.1	1.9	1.9	2.1	2.1	2.1	2.3	2.8
Defense.....	146.1	170.8	198.6	223.3	240.5	263.9	285.7	294.7	304.0	313.2
Education.....	14.8	17.1	14.8	14.6	15.5	16.7	17.7	16.8	18.2	20.8
Energy.....	6.5	11.7	11.6	10.6	11.0	10.8	11.0	10.7	11.2	11.4
Health and Human Services.....	194.2	228.7	253.1	276.7	292.2	315.5	333.9	351.3	373.6	401.8
Housing and Urban Development.....	12.7	14.9	15.2	15.8	16.7	28.7	14.1	15.5	18.9	20.4
Interior.....	4.5	4.5	3.9	4.6	4.9	4.8	4.8	5.1	5.1	5.5
Justice.....	2.6	2.7	2.6	2.8	3.2	3.6	3.9	4.3	5.4	6.0
Labor ³	29.7	30.1	30.7	36.1	24.5	23.9	24.1	23.5	21.9	22.8
State.....	1.9	1.9	2.2	2.3	2.4	2.6	2.9	2.8	3.4	3.6
Transportation.....	19.8	22.8	20.0	20.6	23.0	25.0	27.4	25.4	28.4	27.1
Treasury.....	76.5	92.6	110.3	116.4	141.0	164.9	179.2	180.3	202.4	227.7
Veterans Affairs.....	21.1	22.9	23.9	24.8	25.6	26.3	26.5	27.0	29.3	29.2
Independent agencies:										
Environmental Protection Agency.....	5.6	5.2	5.1	4.3	4.1	4.5	4.9	4.9	4.9	5.2
General Services Administration.....	.2	.1	.2	.1	.1	(-Z)	.4	.1	-.3	(-Z)
National Aeronautics and Space Administration.....	5.0	5.5	6.2	6.9	7.1	7.3	7.4	7.6	8.1	10.6
Office of Personnel Management.....	15.1	18.1	20.0	21.3	22.6	23.7	24.0	27.0	29.2	30.8
Small Business Administration.....	2.0	2.0	.8	.7	.5	.7	.8	-.1	-.1	-.2
Other independent agencies.....	16.1	14.5	10.6	11.2	11.9	10.0	12.2	14.3	23.4	24.7
Undistributed offsetting receipts.....	-32.0	-41.9	-42.2	-51.1	-52.3	-58.7	-65.0	-72.3	-78.9	-87.9

Z Less than \$50 million. ¹ Represents funds to finance units within the office of the President. ² Represents international affairs funds mainly. ³ Includes Pension Benefit Guaranty Corporation.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government, annual*.

NO. 505. FEDERAL SECURITIES—INTEREST-BEARING DEBT BY TYPE AND DEBT HOLDER: 1970 TO 1988

[In billions of dollars. As of end of fiscal year; see text, section 9. The Export-Import Bank was moved within the budget effective October 1, 1976. Adjustments are made to include totals for the period it was outside the budget (1970-76). Also adjustments are made to reflect certain Export-Import Bank borrowing now classified as agency debt]

YEAR	Fed- eral secu- rities total ¹	Inter- est- bearing debt, total	TYPE							DEBT HOLDER			
			Marketable				Nonmarketable			U.S. Govt. ac- count	Federal reserve banks ⁴	Private inves- tors	
			Total	Bills	Notes	Treas- ury bonds	Total	U.S. sav- ings bonds	Other ²				Govt. account series ³
1970.....	383	369	232.6	76.2	93.5	63.0	136.4	51.3	8.8	76.3	95	58	216
1975.....	544	532	315.6	128.6	150.2	36.8	216.5	65.4	26.9	124.2	145	85	302
1980.....	914	906	594.5	199.8	310.9	83.8	311.9	72.7	49.3	188.9	198	121	588
1985.....	1,827	1,821	1,360.2	384.2	776.4	199.5	460.8	77.0	69.9	313.9	317	170	1,335
1986.....	2,130	2,123	1,584.3	410.7	896.9	241.7	558.4	85.6	106.9	365.9	383	191	1,549
1987.....	2,354	2,348	1,876.0	378.3	1,005.1	277.6	671.8	97.0	134.1	440.7	457	212	1,679
1988.....	2,615	2,600	1,802.9	398.5	1,089.8	299.9	797.0	106.2	154.3	536.5	550	229	1,820

¹ Includes securities and debt, not shown separately. ² Comprises Treasury bonds investment series (all years); Treasury bonds (various); certificates of indebtedness (various); certificates and notes; depository bonds; U.S. retirement plan bonds; and U.S. savings notes, beginning 1970. ³ 1970 known as U.S. Treasury special issues. ⁴ Public issues.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

NO. 506. INTEREST-BEARING GOVERNMENT SECURITIES OUTSTANDING: 1970 TO 1988

[In billions of dollars, except percent. As of end of fiscal year; see text, section 9. Par values, except U.S. savings bonds series, E, F, J, and U.S. savings notes, which are included at current redemption values]

TYPE OF SECURITY	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total	521	756	1,128	1,247	1,363	1,540	1,823	2,052	2,379	2,776	3,057	3,347
State and local govts. ¹	139	213	302	334	360	394	442	488	554	649	705	735
Percent of total.....	26.7	28.2	26.8	26.8	26.4	25.6	24.2	23.8	23.3	23.4	23.1	22.0
Taxable ²	306	419	650	723	802	938	1,146	1,304	1,511	1,761	1,911	2,076
Government account series ³	76	124	176	190	201	210	235	260	314	366	441	536
By issuer:												
U.S. Treasury.....	369	532	819	906	996	1,141	1,376	1,560	1,821	2,123	2,348	2,600
Agency securities ⁴	13	11	7	7	6	5	4	4	4	4	4	12
State and local govts. ¹	139	213	302	334	360	394	442	488	554	649	705	735

¹ Source: Board of Governors, Federal Reserve System, unpublished data. Includes some partially taxable debt. ² Interest is subject to both normal and surtax rates of Federal income tax. ³ Prior to July 1, 1974, known as U.S. Treasury special issues. ⁴ Excludes securities issued by Federal home loan banks, Federal land banks, Federal National Mortgage Association, Federal intermediate credit banks, and banks for cooperatives.

Source: Except as noted, U.S. Dept. of the Treasury, through 1980, *Statistical Appendix to the Annual Report of the Secretary of the Treasury on the State of the Finances*; thereafter, *Treasury Bulletin*, quarterly.

NO. 507. FEDERAL PARTICIPATION IN DOMESTIC CREDIT MARKETS: 1980 TO 1988

[In billions of dollars, except percent. See headnote, table 508. Federal credit programs are primarily in three forms: direct loans from the Federal government, Federal guarantees of private lending, and lending by privately owned Government-sponsored enterprises]

TYPE OF PARTICIPATION	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total funds loaned in U.S. credit markets, excluding equities ¹	351.4	405.4	394.0	509.8	697.4	748.8	904.3	727.9	745.5
Federal and federally assisted lending.....	79.9	86.5	87.6	86.5	79.5	110.3	129.1	149.2	109.4
Federal participation rate (percent).....	22.7	21.3	22.2	17.0	11.4	14.7	14.3	20.5	14.7
Direct loans.....	24.2	26.1	23.4	15.3	6.3	28.0	11.2	-19.0	-13.4
Guaranteed loans.....	31.8	28.0	20.9	34.1	20.1	21.6	34.6	60.4	40.3
Government-sponsored enterprise loans.....	24.1	32.4	43.3	37.1	53.1	60.7	83.3	107.8	82.5
Total funds borrowed in U.S. credit markets ¹	351.4	405.4	394.0	509.8	697.4	748.8	904.3	727.9	745.5
Federal and federally assisted borrowing.....	122.5	138.3	198.9	280.0	244.5	278.9	374.6	327.9	295.9
Federal participation rate (percent).....	34.9	34.1	50.5	54.9	35.1	37.2	41.4	45.0	39.7
Federal borrowing from public.....	69.5	75.5	134.4	211.8	168.9	199.4	236.8	152.0	162.1
Borrowing for guaranteed loans.....	31.6	28.0	20.9	34.1	20.1	21.6	34.6	60.4	40.3
Government-sponsored enterprise borrowing.....	21.4	34.8	43.6	34.1	55.5	57.9	103.2	115.5	93.5

¹ Funds loaned to and borrowed by nonfinancial sectors, excluding equities.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 508. FEDERAL DIRECT AND GUARANTEED LOANS: 1970 TO 1989

[As of end of fiscal year; see text, section 9. Government guaranteed loans (loans for which the Government guarantees payment of principal or interest in whole or part) are not included in Federal budget outlays. They constitute contingent liabilities not resulting in outlays, except in event of default. Government direct loans are made by both on-budget and off-budget Federal agencies. See headnote, table 507]

YEAR	AMOUNT (bil. dol.)						PERCENT CHANGE			
	Direct loans ¹			Guaranteed loans ²			Direct loans ¹		Guaranteed loans ²	
	Gross (new) loans disbursed	Net loan outlays	Direct loans outstanding	Pri- mary ³	Net loans	Guaran- teed loans outstand- ing	Gross (new) loans disbursed	Direct loans outstanding	Pri- mary ³	Guaran- teed loans outstand- ing
1970.....	12.4	3.0	51.1	27.5	8.4	125.1	-27.1	9.0	8.7	6.3
1975.....	28.8	12.8	74.1	31.2	8.7	198.3	82.3	20.5	-2.5	4.5
1977.....	35.4	11.5	100.7	43.9	14.0	224.0	2.6	17.2	37.8	6.6
1978.....	48.6	19.8	120.5	48.5	13.4	237.9	37.3	19.7	10.5	6.2
1979.....	49.2	19.6	140.5	60.5	25.2	264.6	1.2	16.6	24.7	11.2
1980.....	49.3	24.2	163.9	66.2	31.6	298.5	2	16.7	9.4	12.8
1981.....	55.9	26.1	185.0	80.2	28.0	309.1	13.4	12.9	-9.1	3.6
1982.....	37.1	23.4	207.8	59.6	20.9	331.2	-33.6	12.3	-1.0	7.1
1983.....	43.8	15.3	223.0	78.0	34.1	363.8	18.1	7.3	30.9	9.8
1984.....	41.4	6.3	229.3	73.3	20.1	386.7	-5.5	2.8	-6.0	6.3
1985.....	64.4	28.0	257.4	55.5	21.6	410.4	55.6	12.3	-24.3	6.1
1986.....	42.2	11.2	251.6	89.6	34.6	449.8	-34.5	-2.3	61.4	9.6
1987.....	35.2	19.0	234.2	151.7	60.4	507.0	-16.6	-6.9	69.3	12.7
1988.....	33.7	13.4	222.0	96.4	40.3	550.0	-4.3	-5.2	-36.5	8.5
1989, est.....	25.9	(NA)	209.3	95.5	(NA)	586.6	-23.1	-5.7	-8.9	6.7

NA Not available. ¹ Includes loans from "off-budget" Government accounts. ² Includes capital subscriptions to international financial institutions. To avoid double counting, secondary guaranteed loans and guaranteed loans held as direct loans are excluded. ³ Gross loan guarantees minus both secondary guaranteed loans, and guaranteed loans held as direct loans by the Government—by either on- or off-budget accounts.

Source: U.S. Office of Management and Budget, *Special Analyses, Budget of the United States Government*, annual.

NO. 509. U.S. SAVINGS BONDS: 1970 TO 1988

[In billions of dollars, except percent. As of end of fiscal year; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 500, for similar but not exactly comparable data]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Amounts outstanding, total ¹	51.8	65.5	72.7	68.0	67.5	70.3	73.1	77.3	85.8	97.3	106.5
Funds from sales.....	4.7	6.8	4.8	3.4	3.1	4.0	3.9	5.0	8.3	10.3	7.3
Accrued discounts.....	1.0	3.3	4.2	4.2	4.9	5.0	5.3	5.2	5.6	6.1	7.9
Redemptions ²	6.3	6.5	16.7	12.3	8.7	6.1	6.1	5.7	5.1	4.9	5.9
Percent of total outstanding.....	12.2	10.0	23.0	18.0	12.9	8.7	8.3	7.4	6.0	5.1	5.6

¹ Interest-bearing debt only for amounts end of period or end of year.

² Matured and unmatured bonds.

Source: U.S. Dept. of the Treasury, *Treasury Bulletin*, quarterly.

Federal Funds

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NO. 510. FEDERAL FUNDS—SUMMARY DISTRIBUTION, BY STATE AND OUTLYING AREAS: 1988

[In millions of dollars, except as indicated. For year ending Sept. 30. Data for grants, salaries and wages, and direct payments to individuals are on an expenditure basis; procurement is on obligation basis. Minus sign (-) indicates decrease. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	FEDERAL FUNDS			Defense	Non-defense	Direct payments to individuals	Procurement	Grants to State and local gov'ts.	Salaries and wages
	Total ¹	Per cent change 1987-1988	Per capita ² (dol.)						
Total	884,131	4.3	3,545	228,224	655,906	409,229	188,670	114,610	134,285
U.S.	849,492	3.7	3,456	210,222	639,266	404,398	184,647	109,834	133,340
Region:									
Northeast.....	175,419	1.7	3,466	36,601	138,816	89,830	32,702	28,516	19,189
Midwest.....	182,666	4.2	3,050	29,464	153,204	96,567	24,874	25,552	20,305
South.....	303,828	5.2	3,580	84,512	219,314	141,055	57,077	33,747	61,512
West.....	187,577	2.8	3,720	59,644	127,932	76,946	49,994	22,019	32,354
New England	51,189	-	3,948	16,443	34,744	22,077	14,961	6,901	5,317
Maine.....	4,025	-2.0	3,337	871	3,154	2,114	690	665	496
New Hampshire.....	3,198	5.1	2,915	966	2,232	1,601	516	398	612
Vermont.....	1,550	5.2	2,788	188	1,362	843	154	324	181
Massachusetts.....	25,079	-1.7	4,272	8,125	16,954	10,456	7,862	3,328	2,383
Rhode Island.....	3,567	3.3	3,585	797	2,789	1,848	489	644	503
Connecticut.....	13,770	1.3	4,249	5,496	8,273	5,215	5,250	1,542	1,142
Middle Atlantic	124,230	2.4	3,300	20,158	104,072	67,753	17,741	21,615	13,852
New York.....	60,677	.7	3,390	9,333	51,344	31,110	9,243	12,944	5,952
New Jersey.....	23,984	4.1	3,106	4,984	19,000	13,174	3,972	3,328	3,148
Pennsylvania.....	39,569	4.1	3,290	5,841	33,728	23,469	4,526	5,793	4,752
East North Central	117,068	4.2	2,777	15,879	101,191	67,361	13,519	17,794	12,577
Ohio.....	33,521	7.4	3,083	6,871	26,650	17,968	6,442	4,693	3,484
Indiana.....	14,807	.8	2,656	2,383	12,425	8,583	1,681	1,960	1,606
Illinois.....	31,962	3.3	2,769	3,243	28,719	18,181	2,606	4,670	4,271
Michigan.....	23,651	1.3	2,543	2,108	21,543	14,835	1,598	4,243	2,167
Wisconsin.....	13,127	7.7	2,702	1,274	11,854	7,794	1,192	2,228	1,049
West North Central	65,598	4.3	3,697	13,585	52,013	29,206	11,355	7,758	7,728
Minnesota.....	13,840	4.7	3,214	2,394	11,447	6,168	2,306	2,120	1,163
Iowa.....	9,697	9.2	3,422	742	8,955	4,827	699	1,199	666
Missouri.....	21,559	2.4	4,195	6,890	14,669	9,015	6,553	1,942	2,622
North Dakota.....	2,881	-4.0	4,345	410	2,470	1,071	166	462	464
South Dakota.....	2,691	1.2	3,764	275	2,417	1,195	128	443	428
Nebraska.....	5,935	11.3	3,708	822	5,113	2,679	392	712	832
Kansas.....	8,995	2.7	3,617	2,052	6,942	4,251	1,111	880	1,553
South Atlantic	172,774	5.5	4,056	51,805	120,969	75,768	34,202	16,991	40,183
Delaware.....	2,088	14.6	3,163	443	1,645	1,066	318	319	336
Maryland.....	23,745	2.4	5,113	7,037	16,708	8,265	6,309	2,004	5,403
District of Columbia.....	15,257	5.0	24,608	2,100	13,157	1,693	2,759	1,615	8,223
Virginia.....	35,698	13.7	5,954	19,409	16,289	10,597	12,288	1,961	9,841
West Virginia.....	5,861	10.1	3,111	388	5,473	3,838	372	1,056	530
North Carolina.....	17,743	6.9	2,719	4,460	13,283	9,504	1,690	2,299	3,691
South Carolina.....	10,934	5.3	3,130	2,911	8,023	5,139	1,932	1,354	2,322
Georgia.....	18,451	-3.7	2,892	4,743	13,708	8,666	1,944	2,364	4,175
Florida.....	42,997	3.9	3,474	10,314	32,683	26,800	6,590	3,419	5,662
East South Central	60,640	4.8	3,290	10,825	39,814	25,644	8,570	7,036	8,090
Kentucky.....	10,886	3.1	2,872	1,677	9,009	6,142	629	1,766	1,881
Tennessee.....	15,705	2.7	3,193	1,968	13,737	7,855	2,927	2,225	2,356
Alabama.....	14,354	3.1	3,476	3,733	10,621	7,182	2,428	1,721	2,665
Mississippi.....	9,895	13.4	3,767	3,448	6,447	4,465	2,586	1,324	1,208
West South Central	80,414	4.8	2,991	21,881	58,531	39,643	14,305	9,720	13,239
Arkansas.....	7,485	2.3	3,090	1,343	6,142	4,406	835	1,011	822
Louisiana.....	12,862	7.3	2,869	2,498	10,184	6,479	2,036	2,135	1,585
Oklahoma.....	10,762	6.9	3,298	2,328	8,434	5,640	870	1,406	2,232
Texas.....	49,485	4.2	2,949	15,712	33,773	23,118	10,564	5,168	8,600
Mountain	51,047	4.2	3,841	13,348	37,698	20,293	14,432	5,781	8,437
Montana.....	2,929	1.5	3,643	265	2,664	1,368	149	546	445
Idaho.....	3,407	7.7	3,410	309	3,098	1,495	669	477	440
Wyoming.....	1,626	5.9	3,453	205	1,421	640	199	448	281
Colorado.....	12,973	6.5	3,949	4,616	8,356	4,681	3,851	1,241	3,427
New Mexico.....	8,885	17.9	5,752	1,532	7,352	2,368	4,724	931	1,202
Arizona.....	12,248	-2.5	3,534	4,000	8,248	6,019	3,034	1,177	1,763
Utah.....	5,750	.8	3,400	1,785	3,965	2,063	1,546	725	1,267
Nevada.....	3,429	-9.9	3,235	636	2,793	1,658	880	336	517
Pacific	136,530	2.3	3,677	45,296	90,234	56,653	35,562	16,238	23,917
Washington.....	18,306	3.9	3,963	5,491	12,815	7,669	4,204	2,170	3,427
Oregon.....	9,237	8.4	3,005	816	7,421	4,678	749	1,322	1,001
California.....	102,366	1.6	3,634	36,291	66,075	41,941	29,457	11,676	16,380
Alaska.....	2,664	-6.4	5,193	1,136	1,528	450	561	593	1,031
Hawaii.....	4,957	4.2	4,535	2,562	2,395	1,715	591	477	2,078
American Samoa.....	62	-6.1	1,632	2	60	12	-	48	2
Guam.....	685	3.9	5,269	503	182	71	113	106	393
Northern Marianas.....	61	3.4	3,050	-	61	5	4	52	-
Puerto Rico.....	6,231	1.4	1,893	523	5,708	2,907	383	2,390	490
Virgin Islands.....	239	-20.9	2,255	16	223	79	13	121	24
Undistributed.....	27,361	25.8	(x)	16,958	10,403	1,759	23,509	2,058	35

- Represents zero. X Not applicable. ¹ Includes other programs not shown separately.

² Based on Bureau of the Census estimated resident population as of July 1.

Source: U.S. Bureau of the Census, *Federal Expenditures by State for Fiscal Year*, annual.

NO. 511. TAX RETURNS FILED—EXAMINATION COVERAGE: 1970 TO 1988

[In thousands, except as indicated]

YEAR AND ITEM	Returns filed ¹	RETURNS EXAMINED					AVERAGE TAX AND PENALTY PER RETURN (dollars)		
		Total	Percent of returns filed	By—			Revenue agents	Tax auditors	Service centers
				Revenue agents	Tax auditors	Service centers			
INDIVIDUAL RETURNS									
1970	76,431.0	1,672.0	2.2	(NA)	(NA)	—	(NA)	(NA)	—
1975	81,272.0	1,838.6	2.3	355.2	1,483.4	—	2,609	219	—
1980	90,727.0	1,839.9	2.0	292.5	1,346.3	195.1	1,335	602	39
1981	93,052.0	1,644.1	1.8	289.5	1,193.1	161.5	6,374	579	223
1982	94,013.0	1,455.3	1.6	285.5	1,066.6	109.2	7,505	751	364
1983	95,419.0	1,427.7	1.5	277.9	1,001.9	147.9	10,248	990	316
1984	95,541.3	1,215.9	1.3	276.2	859.4	80.4	11,584	1,314	692
1985	96,496.9	1,265.6	1.3	332.6	810.9	122.1	10,854	1,539	496
1986	99,529.0	1,090.9	1.1	298.9	732.5	59.6	14,052	1,945	862
1987	101,750.8	1,109.2	1.1	317.5	610.4	181.3	12,235	2,107	4,084
1988, total	103,251.0	1,060.8	1.0	352.8	532.3	175.7	9,750	2,190	4,195
1040A total income under \$10,000	20,198.0	91.3	.4	10.2	42.2	38.9	15,934	1,277	4,052
Non 1040A total income: ²									
Under \$10,000	10,050.0	35.6	.3	8.3	21.3	6.1	5,778	1,025	705
\$10,000-\$24,999, simple	21,599.0	131.6	.6	24.5	86.4	20.7	1,958	1,007	524
\$10,000-\$24,999, complex	10,050.0	125.4	1.2	32.2	69.9	23.3	2,006	977	622
\$25,000-\$49,999	24,951.0	302.7	1.2	80.2	188.1	36.3	2,585	1,459	1,609
\$50,000 and over	10,177.0	236.5	2.3	106.3	86.1	44.1	16,770	5,277	9,890
Schedule C—TGR: ³ Under \$25,000	1,931.0	28.1	1.4	14.9	12.4	.8	3,693	2,135	1,678
\$25,000-\$99,999	2,156.0	45.7	2.1	28.1	15.7	1.9	5,553	3,989	4,753
\$100,000 and over	1,216.0	51.0	4.2	39.3	8.8	3.0	21,479	12,683	13,724
Schedule F—TGR: ³ Under \$25,000	244.0	1.9	.8	.9	.9	.1	2,725	689	763
\$25,000-\$99,999	443.0	4.2	.9	2.6	1.5	.2	2,628	926	1,829
\$100,000 and over	242.0	6.6	2.7	5.3	1.1	.3	11,810	5,649	12,173
1988—OTHER RETURNS									
Fiduciary	2,336.0	4.2	.2	4.2	—	—	47,099	—	—
Partnerships	1,702.8	15.8	.9	15.8	—	—	—	—	—
Corporations, total	3,763.5	48.0	39.5	48.0	—	—	324,285	—	—
Corporations except DISC and S corporations ⁴	2,868.5	38.1	1.3	38.1	—	—	306,624	—	—
S corporations ⁴	892.0	8.8	1.0	8.8	—	—	17,861	—	—
Form 1120 DISC ⁵	3.0	1.1	37.2	1.1	—	—	—	—	—
Estate, total	55.5	12.5	22.6	12.5	—	—	71,126	—	—
Gross estate: Under \$1 million	37.0	6.3	17.1	6.3	—	—	22,780	—	—
\$1 million-\$4,999 million	17.0	5.2	30.6	5.2	—	—	55,886	—	—
\$5 million and over	1.5	1.0	67.0	1.0	—	—	454,171	—	—
Gift	104.0	1.5	1.5	1.5	—	—	159,475	—	—
Excise	952.2	37.0	3.9	37.0	—	—	5,151	—	—
Employment	28,165.0	24.6	.1	23.3	1.2	—	8,718	952	—
Windfall profit	4.3	.8	18.5	.8	—	—	1,341,933	—	—
Miscellaneous	—	.5	—	.5	—	—	383,670	—	—
Service center corrections	—	564.8	—	—	—	564.8	—	—	1,329

— Represents zero. NA Not available. ¹ Returns filed in previous calendar year. ² Income is that from positive sources only. ³ Total gross receipts. ⁴ Represents corporations with no more than 35 shareholders (10 prior to 1983), most of which are individuals, electing to be taxed at the shareholder level. ⁵ Domestic international sales corporation.

Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service*.

NO. 512. INTERNAL REVENUE GROSS COLLECTIONS, BY SOURCE: 1970 TO 1987

[For fiscal year ending in year shown; see text section 9. See also *Historical Statistics, Colonial Times to 1970*, series Y 358-373]

SOURCE OF REVENUE	COLLECTIONS (bil. dol.)								PERCENT OF TOTAL			
	1970	1975	1980	1983	1984	1985	1986	1987	1970	1980	1985	1987
All taxes	195.8	293.8	519.4	627.2	680.5	742.9	782.3	886.3	100.0	100.0	100.0	100.0
Individual income taxes	103.7	156.4	287.5	349.6	362.9	396.7	416.9	465.4	53.0	54.9	53.4	52.5
Withheld by employers	77.4	122.1	223.8	266.0	279.0	299.0	314.8	322.5	39.5	43.1	40.2	36.4
Employment taxes ¹	37.4	70.1	128.3	173.8	199.2	225.2	243.9	277.0	19.1	24.7	30.2	31.3
Old-age and disability insurance	35.7	67.1	122.5	166.4	189.5	215.6	234.9	266.6	18.2	23.6	29.0	30.1
Unemployment insurance	.8	1.4	3.3	4.3	6.0	5.7	5.3	6.2	.4	.6	.8	.7
Corporation income taxes	35.0	45.7	72.4	61.8	74.2	77.4	80.4	102.8	17.9	13.9	10.4	11.6
Estate and gift taxes	3.7	4.7	6.5	6.2	6.2	6.6	7.2	7.7	1.9	1.3	.9	.9
Excise taxes	15.9	16.8	24.6	35.8	39.0	37.0	33.7	33.3	8.1	4.7	5.0	3.8
Alcohol	4.7	5.4	5.7	5.8	5.4	5.4	5.6	6.4	2.4	1.1	.7	.7
Tobacco	2.1	2.3	2.4	4.1	4.7	4.5	4.6	11.1	1.1	.5	.6	1.3
Manufactures	6.7	5.5	6.5	6.4	10.1	10.0	9.9	10.2	3.4	1.3	1.3	1.2
Windfall profits tax	(X)	(X)	3.1	15.7	8.1	5.1	8.9	(Z)	(X)	.6	.7	(Z)
Other	2.4	3.7	6.9	4.0	9.7	12.0	4.7	12.0	1.2	1.3	1.6	1.4

X Not applicable. Z Less than \$50 million or .05 percent. ¹ Includes railroad retirement, not shown separately. Source: U.S. Internal Revenue Service, *Annual Report of the Commissioner and Chief Counsel of the Internal Revenue Service*.

Individual Income Tax Returns

NO. 513. FEDERAL INDIVIDUAL INCOME TAX RETURNS WITH ADJUSTED GROSS INCOME (AGI)—SUMMARY: 1970 TO 1987

(Includes Puerto Rico and Virgin Islands. Includes returns of resident aliens, based on a sample of unadjusted returns as filed. Data are not comparable for all years because of tax changes and other changes, as indicated. See *Statistics of Income, Individual Income Tax Returns* publications for a detailed explanation. See Appendix III. See *Historical Statistics, Colonial Times of 1970*, series Y 393-411, for related data.)

ITEM	NUMBER OF RETURNS (1,000)										AMOUNT (mil. dol.)										
	1970	1980	1985	1986	1987, prel.	1970	1980	1985	1986	1987, prel.	1970	1980	1985	1986	1987, prel.	1970	1980	1985	1986	1987, prel.	
Total returns.....	74,280	83,902	101,680	103,045	107,070	631,693	1,613,731	2,301,951	2,481,681	2,788,011	8,504	17,195	22,693	22,693	22,693	8,504	17,195	22,693	22,693	22,693	26,039
Form 1040.....	74,280	83,902	101,680	103,045	107,070	631,693	1,613,731	2,301,951	2,481,681	2,788,011	8,504	17,195	22,693	22,693	22,693	8,504	17,195	22,693	22,693	22,693	26,039
Salaries and wages.....	66,966	83,802	87,198	86,218	91,166	531,693	1,310,098	1,938,263	2,113,165	2,370,065	8,504	17,195	22,693	22,693	22,693	8,504	17,195	22,693	22,693	22,693	26,039
Interest received.....	32,630	48,020	64,526	65,237	69,010	22,021	102,009	182,109	167,940	163,981	875	2,081	2,822	2,822	2,822	875	2,081	2,822	2,822	2,822	3,241
Dividends in AGI.....	7,730	10,739	15,528	16,350	17,264	38,781	55,046	61,523	66,442	66,442	6,007	12,507	16,744	16,744	16,744	6,007	12,507	16,744	16,744	16,744	19,884
Business or profession profit less loss.....	6,160	8,681	11,900	12,932	13,557	15,607	15,607	15,607	15,607	15,607	90,424	90,424	90,424	90,424	90,424	90,424	90,424	90,424	90,424	90,424	90,424
Sales of capital assets, net gain less loss, in AGI.....	7,963	9,971	11,126	15,560	15,256	9,007	30,628	37,694	37,694	37,694	131,585	131,585	131,585	131,585	131,585	131,585	131,585	131,585	131,585	131,585	131,585
Pensions and annuities in AGI.....	3,250	7,374	13,133	14,771	16,565	7,879	43,340	95,096	107,697	125,352	2,424	5,878	7,241	7,241	7,241	2,424	5,878	7,241	7,241	7,241	8,746
Rents and royalties, net income less loss.....	6,557	8,208	9,971	13,935	13,935	3,233	4,105	12,964	15,292	17,144	493	500	1,300	1,300	493	500	1,300	1,300	1,300	1,300	1,621
Farmers and S. Corporations ¹ , profit less loss.....	3,027	2,608	5,488	5,254	2,426	2,789	10,098	10,098	10,098	32,075	2,583	460	1,007	1,007	2,583	460	1,007	1,007	1,007	1,007	6,085
Statutory exclusions.....	6,371	13,489	37,763	38,034	41,559	7,665	28,614	38,212	37,758	14,146	2,176	2,176	2,176	2,176	2,176	2,176	2,176	2,176	2,176	2,176	2,603
Individual Retirement Arrangements.....	592	560	16,592	15,536	7,351	NA	3,431	38,212	37,758	14,146	2,176	2,176	2,176	2,176	2,176	2,176	2,176	2,176	2,176	2,176	2,603
Self-employed retirement (Keogh) plan.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Married couples who both work.....	NA	NA	24,835	25,647	27,500	127,500	227,500	253,720	265,152	409,385	625	988	1,039	1,039	1,039	625	988	1,039	1,039	1,039	1,039
Exemptions, total ²	204,126	227,925	244,180	245,733	217,500	127,500	127,500	127,500	127,500	127,500	127,500	127,500	127,500	127,500	127,500	127,500	127,500	127,500	127,500	127,500	127,500
Age 65 or older.....	8,904	11,847	16,749	17,319	18,044	120,550	382,778	554,734	611,293	600,010	1,520	4,131	5,162	5,162	5,162	1,520	4,131	5,162	5,162	5,162	6,249
Blind.....	126	165	327	319	319	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Standard and itemized deductions, total ³	73,862	88,105	96,849	98,181	100,044	120,550	382,778	554,734	611,293	600,010	1,520	4,131	5,162	5,162	5,162	1,520	4,131	5,162	5,162	5,162	6,249
Itemized deductions, total ³	35,430	28,950	39,848	40,667	35,512	88,178	218,028	403,024	447,058	393,917	2,686	7,531	10,127	10,127	10,127	2,686	7,531	10,127	10,127	10,127	12,149
Medical and dental expenses.....	27,438	19,458	10,777	10,542	5,312	10,586	14,972	22,926	25,112	16,974	986	769	1,227	1,227	1,227	769	1,227	1,227	1,227	1,227	1,516
Taxes paid.....	35,151	28,749	39,548	40,420	34,772	69,404	129,085	143,446	143,446	118,552	911	2,414	3,230	3,230	3,230	911	2,414	3,230	3,230	3,230	3,986
Interest paid.....	29,206	26,677	36,287	37,261	33,008	33,929	91,187	180,985	195,566	174,526	819	2,414	3,230	3,230	3,230	819	2,414	3,230	3,230	3,230	3,986
Contributions.....	33,634	26,601	36,162	36,714	32,172	12,893	25,810	47,963	50,816	49,261	673	14,528	18,942	18,942	18,942	673	14,528	18,942	18,942	18,942	22,822
Taxable income ⁴	59,694	88,105	96,124	97,358	90,077	401,154	1,279,985	1,820,741	1,947,025	1,858,714	6,731	14,528	18,942	18,942	18,942	6,731	14,528	18,942	18,942	18,942	22,822
Income tax before credits.....	59,597	76,136	85,984	86,601	89,753	84,157	256,248	332,165	367,592	376,132	1,472	3,366	4,245	4,245	4,245	1,472	3,366	4,245	4,245	4,245	5,191
Tax credits, total ⁵	1,715	19,674	20,995	18,859	12,890	370	7,216	10,248	10,248	6,108	216	367	488	488	367	216	367	488	488	488	474
Child care.....	NA	4,231	8,418	8,950	8,528	NA	956	3,128	3,397	3,449	86	108	124	124	86	108	124	124	124	124	144
Elderly and disabled.....	1,357	4,532	4,653	4,300	352	168	135	109	86	66	124	240	235	235	66	124	240	235	235	235	188
Residential energy.....	NA	4,231	8,418	8,950	8,528	NA	956	3,128	3,397	3,449	86	108	124	124	86	108	124	124	124	124	144
Foreign tax.....	200	993	2,279	15	38	NA	562	812	47	17	NA	120	273	401	45	120	273	401	401	401	45
General business credit ⁶	NA	NA	4,614	580	586	NA	1,342	763	1,116	922	NA	1,225	1,826	1,761	1,225	1,826	1,826	1,826	1,826	1,826	1,826
Income tax, total ⁶	59,317	73,906	82,846	83,967	86,790	83,909	250,341	325,710	367,267	371,258	1,415	3,367	4,374	4,374	3,367	4,374	4,374	4,374	4,374	4,374	5,191

NA, Not available. ¹ Represents corporations with no more than 35 shareholders (10 prior to 1963), most of which are individuals electing to be taxed at the shareholder level. ² Includes items not shown separately. ³ For 1985 and 1986 includes charitable deduction for nonitemizers. ⁴ For 1980, 1985, and 1986 includes amounts "taxed" at zero percent. For 1987, includes standard deductions for age 65 or older or blind. ⁵ Includes minimum tax or alternative minimum tax. ⁶ Includes investment credit.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin, Winter, 1988-89 and Statistics of Income, Individual Income Tax Returns, annual*.

NO. 514. INDIVIDUAL INCOME TAX RETURNS—NUMBER, INCOME, INCOME TAX AND AVERAGE TAX, BY SIZE OF ADJUSTED GROSS INCOME: 1986 AND 1987

[Number in thousands; money amounts in millions of dollars]

SIZE OF ADJUSTED GROSS INCOME	NUMBER OF RETURNS		TOTAL ADJUSTED GROSS INCOME (AGI)		TAXABLE INCOME		INCOME TAX, TOTAL ¹		RETURNS SHOWING TOTAL INCOME TAX			
	1986	1987, prel.	1986	1987, prel.	1986	1987, prel.	1986	1987, prel.	Average tax (dol.)		Tax as percent of AGI	
									1986	1987, prel.	1986	1987, prel.
Total	103,045	107,070	2,481,881	2,788,011	1,947,025	1,858,714	367,287	371,258	4,374	4,280	15.1	13.7
Less than \$1,000 ²	3,083	3,724	-41,192	-27,104	3	149	316	96	19,520	131	(x)	(x)
\$1,000-\$2,999.....	6,943	7,423	14,072	14,861	6,091	1,299	59	179	143	81	7.1	3.9
\$3,000-\$4,999.....	6,919	6,678	27,868	26,670	16,361	3,699	331	429	99	145	2.3	3.5
\$5,000-\$6,999.....	6,476	6,413	38,957	38,360	24,601	8,145	1,047	994	249	244	4.1	4.1
\$7,000-\$8,999.....	6,193	6,309	49,545	50,435	33,689	15,115	1,954	1,788	445	432	5.5	5.4
\$9,000-\$10,999.....	6,144	5,957	61,191	59,471	43,082	21,830	3,203	2,585	601	613	6.0	6.1
\$11,000-\$12,999.....	5,555	5,588	66,594	67,031	49,578	29,939	4,327	3,653	831	805	6.9	6.7
\$13,000-\$14,999.....	5,248	5,303	73,309	74,132	56,529	36,890	5,410	4,689	1,073	973	7.7	7.0
\$15,000-\$16,999.....	4,744	4,789	75,842	78,476	59,389	41,807	6,305	5,665	1,361	1,225	8.5	7.7
\$17,000-\$18,999.....	4,478	4,487	80,591	80,696	64,066	48,165	7,244	6,283	1,844	1,442	9.1	8.0
\$19,000-\$21,999.....	4,071	5,876	124,453	120,119	98,830	72,292	11,947	10,026	1,995	1,739	9.7	8.5
\$22,000-\$24,999.....	5,218	5,306	122,394	124,463	98,488	78,285	12,727	11,377	2,459	2,180	10.5	9.3
\$25,000-\$29,999.....	7,559	7,494	207,876	205,546	165,357	139,957	22,851	20,393	3,047	2,739	11.1	10.0
\$30,000-\$39,999.....	11,480	11,605	398,161	402,546	313,917	271,233	48,829	42,832	4,253	3,709	12.3	10.7
\$40,000-\$49,999.....	7,459	7,866	332,211	350,515	259,365	243,011	45,744	41,380	6,143	5,276	13.8	11.8
\$50,000-\$74,999.....	6,428	8,144	381,832	485,722	295,297	349,700	62,460	70,134	9,737	8,624	16.4	14.5
\$75,000-\$99,999.....	1,547	2,043	131,927	173,763	100,212	129,094	26,281	31,158	17,027	15,268	20.0	18.0
\$100,000-												
\$199,999.....	1,116	1,520	146,974	201,210	112,758	154,796	37,289	43,632	33,498	28,781	25.4	21.7
\$200,000-												
\$499,999.....	291	432	82,841	123,965	64,278	101,521	27,067	33,203	93,196	77,012	32.7	26.8
\$500,000-												
\$999,999.....	52	77	33,670	51,939	27,328	44,266	12,928	15,261	251,192	198,231	38.5	29.4
\$1,000,000 or more.....	32	36	72,565	87,196	56,986	75,520	29,169	25,491	917,031	703,284	40.3	29.3

X Not applicable. ¹ Consists of income tax after credits, alternative minimum tax, and minimum tax. ² In addition to low income taxpayers, this size class (and others) includes taxpayers with "tax preferences," not reflected in adjusted gross income or taxable income, which are subject to the "alternative minimum tax" (included in total income tax).

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Summer 1987, and *Statistics of Income, Individual Income Tax Returns*, annual.

NO. 515. INDIVIDUAL INCOME TAX RETURNS—ITEMIZED DEDUCTIONS AND STATUTORY ADJUSTMENTS, BY SIZE OF ADJUSTED GROSS INCOME: 1986

[Preliminary]

ITEM	Unit	ADJUSTED GROSS INCOME CLASS								
		Total	Under \$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 \$99,999	\$100,000 and over	
Returns with itemized deductions:										
Number.....	1,000	40,839	2,343	5,692	8,439	8,674	6,586	7,593	1,511	
Amount.....	Mil. dol.	446,542	12,401	35,702	59,579	75,635	70,191	116,572	76,462	
Medical and dental expenses:										
Returns.....	1,000	10,588	1,416	3,028	2,598	1,712	953	794	69	
Amount.....	Mil. dol.	25,063	4,684	6,962	4,363	3,110	2,097	2,837	1,010	
Taxes paid: Returns, total:	1,000	40,805	2,200	5,639	8,425	8,662	6,581	7,587	1,510	
State, local income taxes.....	1,000	33,367	1,211	4,212	7,046	7,448	5,643	6,491	1,316	
Real estate taxes.....	1,000	33,162	1,350	4,196	6,296	7,148	5,791	6,986	1,416	
Amount, total.....	Mil. dol.	144,705	2,272	8,811	17,739	24,399	23,625	40,470	27,589	
State, local income taxes.....	Mil. dol.	72,396	358	2,287	7,245	11,231	11,131	20,463	19,671	
Real estate taxes.....	Mil. dol.	39,821	1,255	3,625	5,387	6,584	6,660	11,025	4,828	
Interest paid: Returns.....	1,000	37,375	1,388	4,936	7,908	8,287	6,346	7,155	1,354	
Amount.....	Mil. dol.	194,451	3,656	15,159	27,491	36,208	33,670	53,872	24,396	
Home mortgages interest:										
Returns.....	1,000	29,161	960	3,374	5,709	6,512	5,358	6,147	1,102	
Amount.....	Mil. dol.	125,722	2,497	9,912	17,906	24,102	22,608	36,585	12,113	
Contributions: Returns:	1,000	36,858	1,615	4,764	7,510	7,968	6,194	7,340	1,486	
Amount.....	Mil. dol.	54,454	883	3,319	5,949	7,469	6,671	12,409	18,174	
Contributions by non-itemizers:										
Returns.....	1,000	28,188	8,614	11,026	5,405	2,052	724	340	28	
Amount.....	Mil. dol.	13,365	2,488	5,056	3,071	1,461	679	529	81	
Returns with statutory adjustments:¹ Returns:	1,000	38,231	2,103	5,959	8,331	7,750	5,980	6,833	1,246	
Amount of adjustments.....	Mil. dol.	99,246	2,924	8,170	14,306	16,517	16,119	30,109	11,101	
Payments to IRA's:² Returns:	1,000	15,714	608	1,780	2,717	2,877	2,524	4,118	1,089	
Amount.....	Mil. dol.	38,256	1,006	3,276	5,366	6,474	6,369	12,353	3,411	
Payments to Keogh plans:										
Returns.....	1,000	772	9	53	81	105	80	273	171	
Amount.....	Mil. dol.	6,178	39	112	195	341	307	1,847	3,396	

¹ Includes disability income exclusion, employee business expenses, moving expenses, forfeited interest penalty, alimony paid, deduction for expense of living abroad, and other data not shown separately. ² Individual Retirement Accounts.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns*, annual.

NO. 516. FEDERAL INDIVIDUAL INCOME TAX RETURNS—ADJUSTED GROSS INCOME, BY SOURCE OF INCOME AND INCOME CLASS FOR TAXABLE RETURNS: 1986

[In millions of dollars, except percent. Preliminary. Minus sign (-) indicates net loss was greater than net income. See headnote, table 513]

ITEM	Total ¹	Under \$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 \$99,999	\$100,000 and over
Number of returns (1,000).....	84,324	15,073	24,058	16,657	11,480	7,506	8,001	1,549
SOURCE OF INCOME								
Adjusted gross income (AGI).....	2,472,676	100,561	355,176	411,349	397,738	334,314	514,963	358,576
Salaries and wages.....	1,976,635	78,634	285,299	354,063	355,956	298,168	432,310	172,204
Percent of AGI for taxable returns.....	79.9	78.2	80.3	86.1	89.5	89.2	83.9	48.0
Interest received.....	155,392	13,177	29,823	23,599	17,755	15,263	29,435	26,341
Dividends in AGI.....	60,482	1,640	5,130	5,686	4,407	4,841	12,658	26,220
Business and profession, net profit less loss.....	90,229	2,721	10,267	12,699	10,532	9,544	24,862	19,905
Pensions and annuities in AGI.....	102,105	6,087	26,058	20,737	13,941	12,825	17,553	5,105
Sales of property, ² net gain less loss.....	134,401	2,429	3,161	4,263	4,958	5,176	18,442	95,974
Rents and royalties, net income less loss.....	-8,897	-321	-212	-2,632	-2,377	-2,238	-2,996	1,879
Other sources, ³ net.....	-37,771	-3,806	-4,350	-6,966	-7,434	-9,065	-17,101	10,948
PERCENTAGE OF ALL RETURNS								
Number of returns.....	81.6	14.6	23.3	16.1	11.1	7.3	7.7	1.5
Adjusted gross income.....	98.0	4.0	14.1	16.3	15.8	13.3	20.5	14.2
Salaries and wages.....	96.6	3.8	13.9	17.3	17.4	14.6	21.1	8.4
Interest received.....	92.4	7.8	17.7	14.0	10.6	9.1	17.5	15.7
Dividends in AGI.....	95.9	2.6	8.1	8.9	7.0	7.7	20.1	41.6
Business and profession, net profit less loss.....	99.9	3.0	11.4	14.1	11.7	10.6	27.3	22.0
Pensions and annuities in AGI.....	94.1	5.6	24.0	19.1	12.8	11.8	16.2	4.7
Sales of property ² net gain less loss.....	97.8	1.8	2.3	3.1	3.6	3.8	13.4	69.9

¹ Includes a small number of taxable returns with no adjusted gross income. ² Includes sales of capital assets and other property \$2,293 million in 1986. ³ Includes statutory adjustments of \$99,246 million in 1986.

Source: U.S. Internal Revenue Service, *Statistics of Income, Individual Income Tax Returns, 1986*.

NO. 517. FEDERAL INDIVIDUAL INCOME TAX RETURNS, INCOME, AND TAXES, 1970 TO 1987, AND BY STATE, 1987

YEAR, DIVISION, AND STATE	Number of returns ¹ (1,000)	ADJUSTED GROSS INCOME (AGI) ²		INCOME TAX		DIVISION AND STATE	Number of returns ¹ (1,000)	ADJUSTED GROSS INCOME (AGI) ²		INCOME TAX	
		Total (mil. dol.)	Per capita ³ (dol.)	Total ⁴ (mil. dol.)	Per capita ⁵ (dol.)			Total (mil. dol.)	Per capita ⁵ (dol.)	Total ⁴ (mil. dol.)	Per capita ⁵ (dol.)
1970.....	74,278	631,626	3,096	82,880	406	S.A.:					
1975.....	82,229	947,785	4,399	124,526	578	DE.....	306	8,241	12,718	1,125	1,736
1979.....	92,694	1,465,395	6,525	214,495	955	MD.....	2,221	65,298	14,382	9,071	2,000
1980.....	93,902	1,613,731	7,180	250,341	1,102	DC.....	325	9,058	14,586	1,382	2,225
1981.....	95,396	1,772,604	7,719	284,129	1,237	VA.....	2,710	74,954	12,623	10,171	1,720
1982.....	95,337	1,852,135	7,983	227,597	1,197	WV.....	671	14,483	7,631	1,747	920
1983.....	99,419	2,134,030	9,109	314,564	1,343	NC.....	2,840	65,455	10,213	8,182	1,277
1984.....	99,439	2,139,904	9,049	301,823	1,277	SC.....	1,411	31,120	9,083	3,678	1,074
1985.....	102,037	2,289,333	9,589	336,638	1,410	GA.....	2,661	66,241	10,638	8,760	1,407
1986.....	103,634	2,472,560	10,256	380,562	1,579	FL.....	5,533	140,279	11,669	20,737	1,725
1987.....	107,402	2,772,620	11,390	386,357	1,587	E.S.C.:					
N. Eng.:						KY.....	1,428	31,245	8,392	3,924	1,054
ME.....	541	12,363	10,424	1,556	1,312	TN.....	2,047	46,293	9,535	6,203	1,278
NH.....	534	15,125	14,323	2,211	2,094	AL.....	1,584	35,491	8,690	4,426	1,084
VT.....	253	5,917	10,817	762	1,393	MS.....	942	18,120	6,905	2,094	798
MA.....	2,902	85,614	14,620	12,911	2,205	W.S.C.:					
RI.....	463	11,857	12,025	1,625	1,648	AR.....	908	18,303	7,665	2,186	915
CT.....	1,651	55,090	17,151	9,184	2,859	LA.....	1,605	34,439	7,743	4,456	1,002
Mid. Atl.:						OK.....	1,242	27,519	8,444	3,516	1,079
NY.....	7,915	235,395	13,198	34,943	1,959	TX.....	6,773	164,815	9,822	23,936	1,426
NJ.....	3,948	122,659	15,984	18,919	2,465	Mt.:					
PA.....	5,311	131,422	11,005	18,200	1,524	MT.....	336	6,429	7,947	778	962
E.N.C.:						ID.....	378	7,810	7,810	904	904
OH.....	4,786	117,267	10,842	15,568	1,439	WY.....	196	4,509	9,202	605	1,235
IN.....	2,385	56,972	10,202	7,533	1,382	CO.....	1,486	36,992	11,234	4,885	1,483
IL.....	5,078	139,482	12,041	20,913	1,905	NM.....	607	12,700	8,489	1,524	1,019
MI.....	3,992	106,119	11,528	14,633	1,590	AZ.....	1,486	36,151	10,633	4,615	1,357
WI.....	2,121	50,642	10,535	6,362	1,323	UT.....	619	14,379	8,558	1,584	943
W.N.C.:						NV.....	502	10,020	12,942	1,909	1,896
MN.....	1,950	49,166	11,585	6,369	1,501	Pac.:					
IA.....	1,200	26,435	9,364	3,359	1,190	WA.....	2,051	52,165	11,485	7,214	1,588
MO.....	2,189	52,928	10,364	7,218	1,413	OR.....	1,199	27,523	10,108	3,369	1,237
ND.....	280	5,614	1,015	707	1,054	CA.....	12,449	355,447	12,854	50,216	1,816
SD.....	294	6,536	7,906	709	1,000	AK.....	334	6,927	13,219	1,044	1,992
NE.....	694	15,185	9,533	1,955	1,228	HI.....	508	12,670	11,710	1,641	1,517
KS.....	1,063	25,880	10,457	3,538	1,429	Other ⁶	534	8,224	(NA)	1,303	(NA)

NA Not available. ¹ Beginning 1983, includes returns filed by nonresident aliens and certain self-employment tax returns. ² Less deficit. ³ Based on resident population as of July 1. ⁴ Includes additional tax for tax preferences, self-employment tax, tax from investment credit recapture and other income-related taxes. Total is before earned income credit. ⁵ Returns with addresses outside the United States. Includes data from tax returns of nonresident aliens.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Spring 1989.

Federal Civilian Employment—White-Collar Employment

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NO. 519. FEDERAL CIVILIAN EMPLOYMENT, BY BRANCH, AGENCY, AND AREA: 1980 AND 1988

[As of September 30]

AGENCY	TOTAL			UNITED STATES			Washington, DC metropolitan area (MSA)		
	1980	1988	Per- cent change 1980- 1988	1980	1988	Per- cent change 1980- 1988	1980	1988	Per- cent change 1980- 1988
Total, all agencies	2,875,866	3,112,823	8.2	2,763,770	2,967,847	7.8	380,452	350,591	-2.7
Legislative branch, total ¹	39,710	37,547	-5.4	39,625	37,483	-5.4	37,141	35,193	-5.2
Congress ¹	19,096	19,200	.5	19,096	19,200	.5	19,096	19,200	.5
U.S. Senate.....	7,195	7,200	.1	7,195	7,200	.1	7,195	7,200	.1
House of Representatives.....	11,888	11,985	.8	11,888	11,985	.8	11,888	11,985	.8
Architect of the Capitol.....	2,168	2,158	-.5	2,168	2,158	-.5	2,168	2,158	-.5
Judicial branch.....	15,178	21,502	41.7	14,997	21,251	41.7	1,814	1,799	11.5
Supreme Court.....	331	341	3.0	331	341	3.0	331	341	3.0
U.S. Courts.....	14,847	21,161	42.5	14,666	20,910	42.6	1,283	1,458	13.6
Executive branch, total.....	2,820,978	3,053,774	8.3	2,899,148	2,909,113	7.8	321,697	313,599	-2.5
Executive Office of the President ¹	1,886	1,556	-17.8	1,878	1,546	-17.7	1,879	1,546	-17.7
White House Office.....	406	366	-9.9	406	366	-9.9	406	366	-9.9
Office of the Vice-President.....	16	26	62.5	16	26	62.5	16	26	62.5
Office of Management and Budget.....	616	552	-10.4	616	552	-10.4	616	552	-10.4
Office of Administration.....	166	212	27.7	166	212	27.7	166	212	27.7
Council of Economic Advisors.....	35	29	-17.1	35	29	-17.1	35	29	-17.1
Executive departments.....	1,716,970	1,804,057	5.1	1,618,621	1,682,295	3.9	233,030	228,860	-1.7
State.....	23,497	25,634	9.1	8,187	8,938	9.2	7,038	7,993	13.6
Treasury.....	124,663	160,516	28.8	123,649	159,436	28.9	17,988	20,721	15.2
Defense.....	960,116	1,049,619	9.3	883,488	950,981	7.6	78,311	86,859	10.9
Justice.....	56,327	76,515	35.8	55,457	75,172	35.6	16,033	19,375	20.8
Interior.....	77,357	78,216	1.1	77,031	77,625	0.8	10,294	9,221	-10.3
Agriculture.....	128,139	120,869	-5.6	127,837	119,398	-6.5	15,565	12,287	-21.1
Commerce.....	48,563	52,818	8.8	47,838	52,102	8.9	7,934	8,132	2.7
Labor.....	23,400	18,178	-22.3	23,299	18,134	-22.2	7,934	6,132	-22.7
Health and Human Services.....	155,662	123,270	-20.8	154,715	122,529	-20.8	33,251	26,676	-19.8
Housing and Urban Development.....	16,964	13,342	-21.4	16,790	13,211	-21.3	4,805	3,390	-29.4
Transportation.....	72,361	63,506	-12.2	71,638	63,003	-12.1	10,465	8,770	-16.2
Energy.....	21,557	17,031	-21.0	21,549	17,026	-21.0	8,448	5,890	-30.3
Education.....	7,364	4,542	-38.3	7,363	4,539	-38.4	4,508	3,207	-28.9
Veterans Affairs ²	228,285	245,467	7.5	225,955	242,860	7.5	6,499	6,463	-.6
Independent agencies ³	1,102,122	1,248,163	13.3	1,078,648	1,225,272	13.6	86,788	83,093	-4.3
Environmental Protection Agency.....	14,715	15,309	4.0	14,700	15,294	4.0	5,226	5,084	-2.7
Equal Employment Opportunity Commission.....	3,515	3,229	-8.1	3,515	3,229	-8.1	876	804	-8.2
Federal Deposit Insurance Corporation.....	3,520	8,249	134.3	3,463	8,229	137.5	1,066	1,144	7.3
Fed. Emergency Mgm't. Agency.....	3,427	2,610	-23.8	3,410	2,597	-23.8	1,597	1,323	-17.2
General Services Administration ³	37,654	20,070	-46.7	37,549	19,976	-46.8	12,653	6,743	-46.7
National Aeronautics and Space Administration.....	23,714	23,130	-2.5	23,692	23,124	-2.4	5,066	5,066	-
Nuclear Regulatory Commission.....	3,283	3,341	1.8	3,283	3,341	1.8	2,546	2,178	-14.5
Office of Personnel Management.....	8,280	6,673	-19.4	8,259	6,644	-19.6	3,472	2,669	-23.1
Small Business Administration.....	5,804	5,698	-1.8	5,678	5,501	-20.7	1,074	1,258	17.1
Smithsonian Institution.....	4,403	5,034	14.3	4,301	4,917	14.3	4,065	4,667	14.8
Tennessee Valley Authority.....	51,714	28,290	-45.3	51,710	28,290	-45.3	15	4	-7.7
U.S. Information Agency ⁴	8,138	8,821	8.4	3,317	4,394	32.5	3,060	4,108	34.2
U.S. International Development Cooperation Agency.....	6,152	4,836	-21.4	2,740	2,391	-12.7	2,721	2,384	-12.4
U.S. Postal Service.....	660,014	831,956	26.1	657,138	828,341	26.1	17,372	21,912	26.1

¹ Includes other branches, or other agencies, not shown separately. ² Formerly Veterans Administration. ³ 1980 figure includes the National Archives and Records Administration which became an independent agency in 1985. ⁴ Formerly International Communications Agency.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends*, bimonthly.

NO. 520. FEDERAL WHITE-COLLAR CIVILIAN EMPLOYMENT, BY SEX AND GRADE: 1970 TO 1987

[1970-1985, as of Oct. 31; thereafter as of Sept. 30. Represents full-time white-collar employment]

GRADE ¹	TOTAL (1,000)					PERCENT WOMEN				
	1970	1980	1983	1985	1987	1970	1980	1983	1985	1987
Total employment²	1,885	2,006	2,039	2,156	2,203	33.1	38.6	46.2	47.4	48.2
General Schedule and equivalent pay system.....	1,259	1,473	1,484	1,561	1,585	40.3	45.1	46.5	47.7	48.4
Grades 1-6 (\$10,213-\$22,807).....	521	561	541	563	549	72.2	74.1	74.6	74.5	74.9
Grades 7-10 (\$18,493-\$34,136).....	302	357	360	377	389	33.4	46.3	48.8	50.3	51.4
Grades 11-12 (\$28,852-\$44,957).....	264	395	362	368	407	9.5	19.3	24.2	27.5	30.0
Grades 13-15 (\$41,121-\$74,303).....	164	217	220	231	239	3.0	8.2	10.3	12.1	14.2
Grades 16-18 (\$67,038-\$75,500) ³	8	3	1	1	1	1.4	4.4	5.8	6.1	6.9
Postal pay system ⁴	521	504	516	553	600	(NA)	26.8	30.4	33.2	36.2
Other pay system.....	105	29	39	42	45	45.7	35.5	36.1	37.0	40.2

NA Not available. ¹ Pay ranges shown for General Schedule grades are as of January 1, 1989. ² Includes other systems not shown separately. ³ Beginning 1980, change in number reflects shift of senior level employees to Senior Executive Service.

⁴ Source: U.S. Postal Service, *National Payroll Hours*, annual.

Source: Except as noted, U.S. Office of Personnel Management, *Occupations of Federal White-Collar and Blue-Collar Workers*, biennial, and *The Pay Structure of the Federal Civil Service*, annual.

No. 521. FEDERAL CIVILIAN EMPLOYMENT AND ANNUAL PAYROLL, BY BRANCH: 1970 TO 1988

[Annual employment: For fiscal year ending in year shown; see text, section 9. Includes employees in U.S. territories and in foreign countries. Data represent employees in active-duty status, including intermittent employees. Annual employment figures are averages of monthly figures. Excludes Central Intelligence Agency, National Security Agency, and as of November 1984, the Defense Intelligence Agency. See also *Historical Statistics, Colonial Times to 1970*, series Y 308-317]

YEAR	EMPLOYMENT						PAYROLL				
	Total (1,000)	Percent of U.S. employed ¹	Executive		Legislative (1,000)	Judicial (1,000)	Total (mil. dol.)	Executive		Legislative (mil. dol.)	Judicial (mil. dol.)
			Total (1,000)	Defense (1,000)				Total (mil. dol.)	Defense (mil. dol.)		
1970.....	² 2,928	3.7	² 2,891	1,195	30	7	² 28,562	² 28,117	11,352	353	92
1975.....	2,882	3.4	2,834	1,036	37	10	40,699	39,944	14,356	589	186
1978.....	2,875	3.0	2,822	987	40	13	48,921	48,893	16,995	771	251
1979.....	2,897	2.9	2,844	970	40	13	53,590	52,513	18,065	817	260
1980.....	² 2,967	3.0	² 2,933	971	40	14	² 58,012	² 56,841	18,795	883	288
1981.....	2,909	2.9	2,855	986	40	15	63,793	62,510	21,227	922	360
1982.....	2,871	2.9	2,816	1,019	39	16	65,503	64,125	22,226	980	398
1983.....	2,878	2.9	2,823	1,033	39	16	69,878	68,420	23,406	1,013	445
1984.....	2,935	2.8	2,879	1,052	40	17	74,616	73,084	25,253	1,081	451
1985.....	3,001	2.8	2,944	1,080	39	18	80,599	78,992	26,330	1,098	509
1986.....	3,047	2.8	2,991	1,089	38	19	82,598	80,941	29,272	1,112	545
1987.....	3,075	2.7	3,018	1,084	38	19	85,543	83,797	29,786	1,153	593
1988.....	3,113	2.7	3,054	1,073	38	21	88,841	86,960	29,609	1,226	656

¹ Civilian only. See table 628. ² Includes 33,000 temporary census workers. ³ Includes 81,116 temporary census workers. Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends*, bimonthly, and unpublished data.

No. 522. FEDERAL CIVILIAN EMPLOYMENT—SUMMARY: 1970 TO 1988

[In thousands. As of Dec. 31. Excludes U.S. Territories and foreign countries, Central Intelligence Agency, National Security Agency, and the Defense Intelligence Agency. Partially estimated]

CHARACTERISTIC OF EMPLOYMENT	UNITED STATES							WASHINGTON, DC ¹					
	1970	1975	1980	1984	1985	1986	1987	1988	1970	1980	1985	1987	1988
Paid employment.....	2,645	2,741	2,782	2,824	2,902	2,895	2,972	2,981	316	366	353	351	354
Male.....	1,931	1,898	1,790	1,694	1,769	1,765	1,813	1,730	180	202	191	190	184
Female.....	714	845	992	1,130	1,133	1,130	1,159	1,251	136	164	162	161	170
Full-time.....	2,516	2,496	2,504	2,537	2,589	2,575	2,851	2,648	308	342	335	334	336
Other.....	129	245	278	287	313	320	321	333	8	24	18	17	18
Competitive services ²	2,393	1,714	1,692	1,698	1,710	1,678	1,724	1,707	262	258	246	242	244
Permanent Appointment.....	2,281	1,654	1,622	1,630	1,628	1,606	1,638	1,632	251	247	234	232	234
Temporary and Indefinite Appointment.....	112	60	70	68	82	72	86	75	11	11	12	10	10
Excepted and Senior Executive Services (SES) ³	252	1,027	1,091	1,126	1,191	1,217	1,249	1,275	54	107	108	108	110
Permanent Appointment.....	164	863	917	969	1,015	1,035	1,057	1,070	38	70	73	74	77
Temporary and Indefinite Appointment.....	88	164	174	157	176	182	192	205	16	37	35	34	33
White-collar ⁴	2,113	2,255	2,324	2,393	2,478	2,490	2,568	2,598	278	335	327	327	331
Blue-collar ⁴	532	486	458	431	424	405	404	385	38	31	26	24	23

¹ Through June 30, 1980, represents SMSA; thereafter, MSA. ² In 1971, under Postal Reorganization Act of 1970, U.S. Postal Service employees were changed from competitive service to excepted service. ³ Exceeded from competitive requirements of Civil Service Act. Prior to 1980 SES was not included in total. ⁴ Through 1980, based on full-time employment; beginning 1984, based on total workforce.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends*, bimonthly, and unpublished data.

No. 523. ACCESSIONS TO AND SEPARATIONS FROM PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT: 1970 TO 1989

[In thousands, except rate. For fiscal year ending in year shown; see text, section 9. Includes accessions and separations of full-time, part-time, and intermittent employees]

ITEM	UNITED STATES							WASHINGTON, DC ¹				
	1970	1975	1980	1985	1987	1988	Oct. 1988-Mar. 1989	1980	1985	1987	1988	Oct. 1988-Mar. 1989
Accessions, total.....	727.0	564.2	995.2	692.9	637.6	620.4	299.5	94.1	62.5	64.2	65.7	30.3
Monthly rate ²	2.2	1.7	2.9	1.9	1.8	1.8	1.7	2.3	1.6	1.6	1.6	1.4
Separations, total.....	796.7	588.9	1,004.0	530.1	558.7	571.3	277.4	89.2	58.0	55.4	59.1	25.7
Monthly rate ²	2.4	1.8	3.0	1.6	1.6	1.6	1.6	2.2	1.5	1.4	1.4	1.2
Quit ³	334.4	212.9	227.7	218.3	206.1	207.5	90.1	32.9	25.0	24.3	24.7	9.9

¹ See footnote 1, table 522. ² Per 100 employees. ³ Represents voluntary resignations by employees or separations by agency if employee declines new assignment, abandons position, joins military, or fails to return from military furlough. Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends*, bimonthly.

NO. 524. PAID CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, 1960 TO 1986, AND BY STATE, 1986

[As of December 31. Excludes members and employees of Congress, Central Intelligence Agency, temporary Christmas help of the U.S. Postal Service, and National Security Agency]

YEAR, DIVISION, AND STATE	Total (1,000)	Per-cent de-fense	Rate per 10,000 popula-tion ¹	DIVISION AND STATE	Total (1,000)	Per-cent de-fense	Rate per 10,000 popula-tion ¹
1960	2,213	42.1	123.4	South Atlantic—Con.			
1970	2,665	37.8	131.1	District of Columbia	206	8.3	3,290.7
1980	2,659	32.2	117.4	Virginia	156	67.9	269.6
1982	2,734	34.3	117.8	West Virginia	15	13.3	78.2
1984	2,771	34.3	117.2	North Carolina	45	35.6	71.1
1986, total²	2,862	33.8	118.7	South Carolina	32	62.5	94.8
New England	121	28.1	95.0	Georgia	86	46.5	140.9
Maine	17	58.8	144.9	Florida	101	31.7	86.5
New Hampshire	7	28.6	68.2	East South Central	174	33.9	114.4
Vermont	5	20.0	82.4	Kentucky	33	42.4	85.5
Massachusetts	59	20.3	101.2	Tennessee	58	12.1	120.8
Rhode Island	10	40.0	102.6	Alabama	59	45.8	145.6
Connecticut	23	21.7	72.1	Mississippi	24	45.8	91.4
Middle Atlantic	361	28.0	96.8	West South Central	272	38.6	101.3
New York	156	12.8	87.8	Arkansas	19	26.3	80.1
New Jersey	74	36.5	97.1	Louisiana	33	27.3	73.3
Pennsylvania	131	41.2	110.2	Oklahoma	48	54.2	145.2
East North Central	319	27.3	76.4	Texas	172	37.8	103.1
Ohio	90	37.8	83.7	Mountain	187	32.6	143.6
Indiana	41	36.6	74.5	Montana	11	9.1	134.3
Illinois	104	21.2	90.0	Idaho	10	10.0	99.8
Michigan	57	22.8	62.3	Wyoming	6	16.7	118.3
Wisconsin	57	11.1	56.4	Colorado	26	29.8	159.2
West North Central	172	22.7	97.9	New Mexico	26	38.5	175.6
Minnesota	31	9.7	73.6	Arizona	36	30.6	108.5
Iowa	18	5.6	63.1	Utah	36	55.6	216.2
Missouri	67	31.3	132.3	Nevada	10	20.0	103.8
North Dakota	8	25.0	117.8	Pacific	445	43.1	124.5
South Dakota	9	11.1	127.1	Washington	63	46.0	141.2
Nebraska	15	26.7	93.9	Oregon	27	11.1	100.1
Kansas	24	29.2	97.6	California	314	42.7	116.4
South Atlantic	775	35.7	189.4	Alaska	14	35.7	262.2
Delaware	5	40.0	79.0	Hawaii	27	77.8	254.2
Maryland	129	32.6	289.0				

¹ For 1960-1980, based on April 1 enumerated population; other years based on July 1 estimated resident population. ² Preliminary. Includes employees not specified by State.

Source: U.S. Office of Personnel Management, *Biennial Report of Employment by Geographic Area*.

NO. 525. PAID FULL-TIME CIVILIAN EMPLOYMENT IN THE FEDERAL GOVERNMENT, ALL AREAS: 1983 TO 1988

[As of March 31. Excludes employees of Congress and Federal courts, maritime seamen of Dept. of Commerce, and small number for whom rates were not reported. See text, section 10 for explanation of general schedule and wage system. See also *Historical Statistics, Colonial Times to 1970*, series Y 318-331]

COMPENSATION AUTHORITY	EMPLOYEES (1,000)						AVERAGE PAY (dol.)					
	1983	1984	1985	1986	1987	1988	1983	1984	1985	1986	1987	1988
Total	2,499	2,520	2,590	2,616	2,625	2,661	24,074	25,211	26,139	26,369	27,429	28,211
General schedule	1,393	1,407	1,450	1,462	1,458	1,480	24,178	25,282	26,186	26,274	27,421	28,114
Wage system	430	420	418	409	391	383	21,500	22,393	23,288	23,837	24,432	24,965
Postal pay system ²	547	561	586	606	633	647	24,612	25,504	26,559	26,744	28,925	28,465
Other	128	132	136	139	143	151	31,544	33,453	34,413	34,814	36,859	37,393

¹ Excludes postal pay system. ² Source: U.S. Postal Service, *National Payroll Hours*, annual.

Source: Except as noted, U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

NO. 526. FEDERAL GENERAL SCHEDULE EMPLOYEE PAY INCREASES: 1965 TO 1990

[Percent change from prior year shown, except 1965, change from 1964. Represents legislated pay increases. For some years data based on range; for details see source]

EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase	EFFECTIVE DATE	Average increase
Oct. 1, 1965	3.6	Oct. 1, 1973	4.8	Oct. 1, 1982	4.0
July 1, 1966	2.9	Oct. 1, 1974	5.5	Jan. 1, 1984	4.0
Oct. 1, 1967	4.5	Oct. 1, 1975	5.0	Jan. 1, 1985	3.5
July 1, 1968	4.9	Oct. 1, 1976	5.2	Jan. 1, 1986	-
July 1, 1969	9.1	Oct. 1, 1977	7.0	Jan. 1, 1987	3.0
Dec. 27, 1969	6.0	Oct. 1, 1978	5.5	Jan. 1, 1988	2.0
Jan. 1, 1971	6.0	Oct. 1, 1979	7.0	Jan. 1, 1989	4.1
Jan. 1, 1972	5.5	Oct. 1, 1980	9.1	Jan. 1, 1990	3.6
Oct. 1, 1972	5.1	Oct. 1, 1981	4.8		

- Represents zero.

Source: U.S. Office of Personnel Management, *Pay Structure of the Federal Civil Service*, annual.

NO. 527. FEDERAL PAID CIVILIAN EMPLOYMENT, BY AGENCY: 1970 TO 1988

[As of end of fiscal year; see text, section 9. See headnote, table 521. Includes U.S. outlying areas and foreign countries. See also *Historical Statistics, Colonial Times to 1970*, series Y 308-317]

AGENCY	1970	1975	1980	1984	1985	1986	1987	1988
All agencies	2,921,909	2,896,944	2,875,866	2,934,255	3,020,531	3,022,189	3,090,699	3,112,823
Legislative Branch.....	30,715	38,531	39,710	38,832	38,764	36,490	37,918	37,547
Judicial Branch.....	6,887	10,399	15,178	17,247	18,225	18,966	20,244	21,502
Executive Branch ¹	2,884,307	2,848,014	2,820,978	2,878,176	2,963,542	2,966,733	3,032,537	3,053,774
Executive Office of the President.....	4,742	1,918	1,886	1,595	1,526	1,492	1,553	1,554
Executive departments.....	1,812,572	1,736,872	1,716,970	1,753,336	1,789,270	1,761,644	1,806,101	1,804,057
Agriculture.....	116,012	120,999	129,139	118,809	117,750	113,147	116,993	120,869
Commerce.....	² 57,674	36,228	² 48,563	35,271	35,150	34,397	34,828	² 52,819
Census Bureau.....	(NA)	(NA)	² 19,925	8,270	8,633	6,539	9,053	² 27,275
Defense.....	1,193,784	1,041,828	960,116	1,043,784	1,084,549	1,067,974	1,090,018	1,049,619
Education ³	(X)	7,364	5,343	5,343	4,898	4,554	4,894	4,542
Energy ⁴	(X)	(X)	21,557	16,976	16,749	16,657	16,749	17,031
Health and Human Services ²	108,044	147,125	155,662	144,240	140,151	133,842	127,039	123,370
Social Security Admin.....	(NA)	(NA)	84,272	84,932	82,967	77,823	70,783	69,007
Housing and Urban Development ⁵	15,190	17,161	16,964	12,393	12,289	11,843	13,033	13,342
Interior.....	73,361	80,198	77,357	78,661	77,485	73,980	76,719	78,216
Justice.....	39,257	51,541	56,327	61,398	64,433	65,529	70,896	76,515
Labor.....	10,991	14,834	23,400	18,320	18,260	17,487	17,976	18,178
State.....	39,753	30,376	23,497	24,706	25,254	25,325	25,483	25,634
Transportation.....	65,985	75,035	72,361	62,781	62,227	61,281	62,488	63,506
Treasury.....	92,521	121,546	124,663	130,654	130,034	135,628	149,187	160,518
Internal Revenue Service.....	(NA)	(NA)	85,981	94,642	94,998	100,480	111,241	120,887
Veterans Affairs ⁴	168,719	213,143	228,285	239,923	247,156	240,423	250,013	245,467
Independent agencies:								
Environmental Protection Agency.....	(X)	10,772	14,715	13,048	13,788	14,021	15,173	15,309
National Aeronautics and Space Administration.....	32,548	26,447	23,714	22,085	22,562	22,244	22,950	23,130
Office of Personnel Management.....	5,508	8,157	8,280	6,553	6,353	5,929	6,078	6,673
Railroad Retirement Board.....	1,734	1,961	1,795	1,578	1,681	1,601	1,637	1,674
Small Business Administration.....	4,269	4,796	5,804	5,093	4,960	4,906	4,846	4,588
Tennessee Valley Authority.....	22,244	28,423	51,714	33,589	32,035	30,564	32,738	28,290

NA Not available. X Not applicable. ¹ Includes agencies not shown separately. ² Includes decennial census enumerators. ³ Dept. of Education established Sept. 1979; formerly included with Health and Human Services. ⁴ Dept. of Energy established Oct. 1, 1977. ⁵ Includes Housing and Home Finance Agency. ⁶ Formerly Veterans Administration.

Source: U.S. Office of Personnel Management, *Federal Civilian Workforce Statistics—Employment and Trends*, bimonthly.

NO. 528. FEDERAL EXECUTIVE BRANCH EMPLOYMENT, BY RACE AND NATIONAL ORIGIN, AND BY PAY SYSTEM: 1982 AND 1988

[As of Sept. 30. Covers total employment for only Executive Branch agencies participating in OPM's central personnel data file. (CPDF). Excludes foreign nationals abroad and U.S. Postal Service]

PAY SYSTEM	1982					1988				
	Total employees (1,000)	Race/National origin			Total employees (1,000)	Race/National origin				
		Total ¹ (1,000)	Per cent of total	Black, non-Hispanic (1,000)		Hispanic (1,000)	Total ¹ (1,000)	Per cent of total		Black, non-Hispanic (1,000)
All pay systems, total ²	2,006.6	484.0	24.1	311.1	90.0	2,125.1	567.4	26.7	350.1	109.6
General schedule and equivalent ³	1,508.3	336.1	22.3	222.0	59.0	1,638.8	421.6	25.7	267.7	78.7
Grades 1-4 (\$10,213-\$18,288).....	303.6	101.9	33.6	71.0	16.1	267.0	108.8	40.7	74.7	17.6
Grades 5-8 (\$15,739-\$28,070).....	464.8	126.5	27.2	90.2	20.2	506.3	180.0	31.8	109.9	27.4
Grades 9-12 (\$23,846-\$44,957).....	530.0	87.6	16.5	50.1	18.7	617.9	123.9	20.0	68.5	27.7
Grades 13-15 (\$41,121-\$74,303).....	209.8	20.1	9.8	10.7	4.0	247.6	28.8	11.6	14.6	5.9
Executive, total.....	7.8	.6	7.7	.3	.1	9.2	.6	6.9	.4	.1
Wage pay system.....	414.0	134.6	32.5	83.5	28.0	396.3	130.5	32.9	77.1	27.9
Other pay systems ⁴	69.3	10.1	14.6	3.7	2.3	80.2	14.5	18.1	4.8	2.8

¹ Includes American Indians, Alaska Natives, Asians, and Pacific Islanders, not shown separately. ² Due to the inclusion of unspecified employee records, the pay systems listed do not add to the total. ³ Pay rates as of January 1989 for general schedule. Each grade (except Executive) includes several salary steps. Range is from lowest to highest step of grades shown. ⁴ Includes white-collar employment in other than General Schedule and Equivalent or Executive pay plans.

Source: U.S. Office of Personnel Management, *1988 Affirmative Employment Statistics*; biennial.

No. 529. FEDERAL LAND AND BUILDINGS OWNED AND LEASED: 1960 TO 1987

[For fiscal years ending in year shown; see text, section 9. Covers Federal real property throughout the world, except as noted. Totals include data not shown separately. For data on Federal land by State, see table 340]

ITEM AND AGENCY	Unit	1960	1970	1975	1980	1982	1983	1984	1985	1987
Federally owned:										
Land, total	Mil. acres	772	762	761	780	730	732	727	727	724
Dept. of Agriculture	Mil. acres	186	187	188	184	193	193	189	189	189
Dept. of Defense	Mil. acres	30	31	31	30	23	29	24	29	28
Dept. of the Interior	Mil. acres	553	540	538	502	511	507	500	500	504
Buildings, number ¹	1,000	413	418	405	403	387	418	438	454	412
Dept. of Defense	1,000	320	319	312	301	292	321	323	354	316
Dept. of the Interior	1,000	31	34	30	34	35	37	36	37	38
Buildings, floor area ¹	Mil. sq. ft.	2,445	2,542	2,502	2,522	2,467	2,609	2,725	2,860	2,700
Dept. of Defense	Mil. sq. ft.	1,929	1,857	1,802	1,777	1,707	1,838	1,929	2,065	1,898
General Services Administration	Mil. sq. ft.	122	205	194	202	199	199	204	207	210
Dept. of the Interior	Mil. sq. ft.	42	61	58	65	69	72	71	71	72
Veterans Administration	Mil. sq. ft.	115	110	111	116	117	118	117	119	120
Cost of land, buildings, etc. ²	Bil. dol.	53	79	91	107	117	132	147	148	165
Dept. of Defense	Bil. dol.	31	44	56	80	68	73	77	72	80
Dept. of the Interior	Bil. dol.	5	8	10	10	12	12	13	14	13
Federally leased:										
Land	Mil. acres	1.8	1.6	1.2	1.4	1.4	1.4	1.8	1.3	1.6
Dept. of Defense	Mil. acres	1.7	1.4	1.0	1.2	1.2	1.1	1.1	1.5	.8
Buildings, floor area ¹	Mil. sq. ft.	97	182	210	214	215	206	203	237	246
Dept. of Defense	Mil. sq. ft.	11	7	13	14	14	14	14	13	15
Rental property, cost	Mil. dol.	174	451	664	1,054	1,422	1,532	1,547	1,681	1,893
Dept. of Defense	Mil. dol.	35	63	65	156	314	323	324	326	356

¹ Excludes data for Dept. of Defense military functions outside United States. ² See headnote, table 530.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual, and *Inventory Report on Real Property Leased to the United States Throughout the World*, annual.

No. 530. FEDERALLY OWNED LAND AND COST OF LAND, BY PREDOMINANT USAGE: 1965 TO 1987

[As of end of fiscal year; see text, section 9. Covers land in United States only (50 States and DC). Cost of land figures represent total cost of property owned in year shown and exclude unreserved public domain; public domain reserved for national parks, national forests, military installations and other purposes; and historical sites acquired by methods other than by purchase. Properties are reported at actual or estimated cost as of date of acquisition without considering depreciation, obsolescence, or economic changes in value. For data on Federal land by State, see table 340]

YEAR AND AGENCY	Total ¹	Forest and wildlife	Grazing	Parks and historic sites	Military, exc. airfields	Flood control, navigation	Reclamation, irrigation	Power development	Airfields
LAND (mil. acres)									
1965	765.8	508.4	165.2	22.8	15.7	6.7	7.8	1.9	2.0
1970	761.3	503.2	163.5	24.6	17.7	7.4	7.5	2.1	1.5
1975	760.4	502.3	164.0	25.3	18.1	8.0	7.0	1.5	2.3
1978	775.2	514.8	162.7	26.7	20.6	8.2	6.1	1.6	1.5
1979	769.9	472.1	162.5	68.5	18.0	8.3	6.0	1.5	1.5
1980	719.5	421.8	162.2	92.8	18.5	8.3	4.8	1.5	4
1981	730.8	432.3	161.7	102.2	10.5	8.4	3.8	1.6	1.1
1982	729.8	433.3	161.8	100.6	10.6	8.5	3.7	1.5	7
1983	732.0	434.0	162.1	95.6	16.9	8.3	3.8	1.5	1.5
1984	726.6	430.4	153.0	91.4	19.8	8.3	5.9	1.2	2.5
1985	727.4	430.6	154.7	94.0	26.0	5.8	5.3	1.0	2.4
1987	724.1	430.6	154.4	96.1	16.2	5.8	5.2	1.0	1.8
COST OF LAND (mil. dol.)									
1965	4,128	237	18	180	298	1,915	224	204	203
1970	5,475	350	26	373	331	2,591	312	251	162
1975	6,872	589	26	618	334	3,381	313	273	199
1978	8,782	789	27	1,047	477	3,914	580	296	133
1980	8,880	900	27	1,417	480	4,104	377	286	146
1979	9,982	975	26	1,580	502	4,391	365	304	123
1981	10,355	1,121	29	1,828	274	4,504	264	321	240
1982	10,777	1,211	29	1,907	286	4,696	280	316	194
1983	10,972	1,236	29	2,114	266	4,629	261	323	206
1984	12,324	1,223	26	2,799	349	4,615	439	306	327
1985	12,880	1,349	25	2,972	399	4,772	387	290	381
1987	12,120	1,471	26	1,944	327	4,934	398	290	212

¹ Includes other uses not shown separately.

Source: U.S. General Services Administration, *Inventory Report on Real Property Owned by the United States Throughout the World*, annual.

NO. 531. PUBLIC LANDS—DISPOSAL TRANSACTIONS AND CASH RECEIPTS: 1980 TO 1988

[For fiscal year ending in year shown; see text, section 9. Period figures are totals, not annual averages. See also *Historical Statistics, Colonial Times to 1970*, series J 10-15 and J 26-32]

ITEM	Unit	1980	1981	1982	1983	1984	1985	1986	1987	1988
Applications, entries, and selections allowed ¹	1,000 acres.....	1,167	1,311	10,390	5,350	1,835	1,404	4	1	1
Alaska.....	1,000 acres.....	1,160	1,277	10,299	5,148	1,801	1,131	-	-	-
Applications, entries, and selections approved ¹	1,000 acres.....	175	340	18,121	16,907	4,837	6,491	683	1,812	1,387
Alaska.....	1,000 acres.....	2	321	² 17,998	² 16,590	4,259	6,095	² 595	1,589	1
Patents and certificates ¹	1,000 acres.....	2,485	1,258	411	723	1,449	4,217	3,704	3,000	5,419
Alaska.....	1,000 acres.....	2,443	1,090	191	244	979	3,729	3,254	2,343	5,163
Homestead entries: ⁴										
Allowed.....	Number.....	1	12	3	1	20	4	-	-	-
Acres.....	1,000 (Z).....	(Z)	1	(Z)	(Z)	2	1	-	-	-
Approved ⁵	1,000 acres.....	1	2	2	1	3	2	-	-	-
Cash receipts.....	Mill. dol.....	5,079	11,279	7,860	11,690	7,914	6,939	5,864	5,014	4,698
Mineral leases ⁶	Mill. dol.....	618	739	1,169	886	1,005	1,165	904	773	853
Outer Continental Shelf leases ⁶	Mill. dol.....	4,101	10,138	6,250	10,492	6,694	5,542	4,716	4,021	3,548
Timber sales.....	Mill. dol.....	216	218	87	107	153	138	162	153	241
Public land, materials sales.....	Mill. dol.....	8	5	4	12	14	12	14	8	7
Fees and commissions.....	Mill. dol.....	29	44	4	2	2	2	2	2	3
Miscellaneous ⁷	Mill. dol.....	108	138	366	161	46	75	66	57	46

- Represents zero. Z Less than 500 acres. ¹ Covers homestead, desert land, and mineral entries, public auction sales, Indian and State selections; and other disposal transactions; excludes Indian fee and release trusts and corrective patents. ² Transfer of aggregate 31.8 million acres to the State of Alaska under the Alaska Statehood Act of July 7, 1958 and the Alaska National Interest Lands Conservation Act of December 2, 1980. ³ State of Alaska are more a function of administrative capacity to phase-in the new patent plan process. The acreages for 1979. ⁴ Administrative suspension of existing conveyance process to adjudicate the case load rather than an indication of interest by applicants in making application, as is normally the case for other States. ⁵ Excludes ceded Indian lands. ⁶ Excludes commuted homesteads. ⁷ Source: Minerals Management Service. ⁸ *Mineral Revenues*, annual through 1981; thereafter *Budget Revenue Records*. ⁹ Includes grazing revenues, rental of land, oil and gas pipeline right-of-way rentals (beginning fiscal year 1984), and other miscellaneous revenue. Source: Except as noted, U.S. Bureau of Land Management, *Public Land Statistics*, annual.

NO. 532. PUBLIC LANDS—LEASES, PERMITS, AND LICENSES, BY CLASS: 1960 TO 1988

[As of end of fiscal year except as noted; see text, section 9. Excludes leases on acquired, submerged, and military lands. Excludes community pit and mineral material free use permits. See *Historical Statistics, Colonial Times to 1970*, series J 41-42, for oil and gas leases]

YEAR	MINERAL CLASS						GRAZING ⁴		
	Total	Leases			Per- mits ⁵	Li- censes	Leases ⁶	Permits ⁶	
		Total	Oil and gas ¹	Coal ²					Other
Number:									
1960.....	142,114	140,057	139,534	294	229	2,035	22	9,911	18,976
1965.....	101,863	101,086	100,339	379	368	763	14	8,912	18,712
1970.....	100,599	100,010	99,038	525	447	583	5	8,559	16,827
1975.....	104,075	103,762	102,815	529	418	309	4	7,785	15,480
1977.....	104,377	104,775	102,130	523	426	294	4	7,792	15,099
1978.....	105,284	105,088	102,984	524	1,580	183	13	9,884	14,925
1979.....	107,176	107,014	104,769	535	1,710	139	23	7,773	14,676
1980.....	106,125	105,963	103,571	522	1,870	132	30	7,700	14,741
1981.....	111,842	111,645	109,041	562	2,042	157	40	7,621	14,628
1982.....	118,589	118,365	115,389	607	2,369	149	75	7,837	12,956
1983.....	⁷ 133,337	132,861	128,881	611	2,369	149	75	7,688	12,956
1984.....	⁷ 118,254	117,849	115,382	450	2,017	348	57	7,550	13,053
1985.....	119,419	119,101	116,985	625	1,491	316	2	7,387	12,493
1986.....	105,513	105,228	102,885	605	1,736	248	41	7,218	12,394
1987.....	89,789	89,546	87,568	552	1,426	231	12	7,164	12,368
1988.....	82,585	82,450	80,570	541	1,399	121	14	7,197	12,537
Acreage (1,000):									
1960.....	118,157	114,136	113,667	199	270	4,020	1	18,532	(NA)
1965.....	86,267	84,955	84,148	374	433	1,311	1	18,057	(NA)
1970.....	65,374	64,323	63,030	764	529	1,051	(Z)	16,262	(NA)
1975.....	82,618	81,885	80,621	780	485	733	(Z)	17,144	(NA)
1977.....	86,903	86,275	83,319	791	2,184	626	2	16,387	(NA)
1978.....	90,202	89,823	86,585	790	2,447	334	45	24,705	(NA)
1979.....	96,482	96,109	92,642	798	2,689	299	74	17,534	(NA)
1980.....	100,585	100,198	96,503	786	2,909	278	109	17,028	(NA)
1981.....	117,257	116,777	112,729	838	3,215	337	143	17,180	(NA)
1982.....	151,743	151,193	146,502	910	3,781	189	361	17,468	157,575
1983.....	⁷ 183,330	182,506	157,814	911	3,791	189	361	16,886	157,575
1984.....	⁷ 136,323	135,827	131,655	705	3,457	263	233	18,375	156,868
1985.....	124,463	124,095	120,687	934	2,474	356	12	16,492	148,967
1986.....	96,717	96,236	92,731	901	2,604	340	141	16,232	147,148
1987.....	74,350	74,058	71,203	807	2,048	286	6	16,160	146,298
1988.....	69,649	69,513	66,781	786	1,946	108	28	16,164	146,002

NA Not available. Z Less than 500 acres. ¹ For data on Outer Continental Shelf, see section 25. ² Includes competitive, noncompetitive, preference right, and exchange leases beginning fiscal year 1985. ³ Does not include free-use permits for disposition of mineral materials (sand and gravel, top soil, quarry rock, etc.). ⁴ 1960-1977 as of Dec. 31, 1978-1982, as of Feb. 28 of following year. Beginning 1983, as of Sept. 30. ⁵ Lands outside grazing districts, which are owned, leased, or otherwise controlled by the United States and administered by the Bureau of Land Management and which are subject to leasing for grazing purposes. ⁶ Licenses and permits within grazing districts. ⁷ Includes miscellaneous nonenergy leases, permits, and licenses on acquired, military, and other Federal lands not separable by type. Source: U.S. Bureau of Land Management, *Public Land Statistics*, annual.

Section 11

National Defense and Veterans Affairs

This section presents data on national defense and its human and financial costs; active and reserve military personnel; ships, equipment and aircraft; and federally sponsored programs and benefits for veterans. The principal sources of these data are the annual *Selected Manpower Statistics* and the *Atlas/Data Abstract for the United States and Selected Areas* issued by the Office of the Secretary of Defense; *Annual Report of Secretary of Veterans Affairs*, Department of Veterans Affairs, and *The Budget of the United States Government*, Office of Management and Budget. For more data on expenditures, personnel, and ships, see section 31.

Department of Defense (DOD).—The Department of Defense is responsible for providing the military forces of the United States. It includes the Office of the Secretary of Defense, the Organization of the Joint Chiefs of Staff, the Army, Navy, Air Force, and the defense agencies. The President serves as Commander in Chief of the Armed Forces; from him, the authority flows to the Secretary of Defense and through the Joint Chiefs of Staff to the commanders of unified and specified commands (e.g., Strategic Air Command).

Reserve components.—Reserve personnel of the Armed Forces consist of the Army National Guard, Army Reserve, Naval Reserve, Marine Corps Reserve, Air National Guard, Air Force Reserve, and Coast Guard Reserve. They provide trained personnel available for active duty in the Armed Forces in time of war or national emergency and at such other times as authorized by law.

The National Guard has dual Federal-State responsibilities and uses jointly provided equipment, facilities, and budget support. In peacetime, the National Guard is State-administered, and trained under the authority of the State Governors. The President is empowered to mobilize the National Guard and to use such of the Armed Forces as he considers necessary to enforce Federal authority in any State.

The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives explicit approval. The retired reserve represents a low potential for mobilization.

Department of Veterans Affairs.—The Department of Veterans Affairs administers laws authorizing benefits for eligible former and present members of the Armed Forces, and for the beneficiaries of deceased members. Veterans benefits available under various acts of Congress include: Compensation for service-connected disability or death; pensions for nonservice-connected disability or death; vocational rehabilitation, education, and training; home loan insurance; life insurance; health care; special housing and automobiles or other conveyances for certain disabled veterans; burial and plot allowances; and educational assistance to families of deceased or totally disabled veterans, servicemen missing in action, or prisoners of war. Since these benefits are legislated by Congress, the dates they were enacted and the dates they apply to veterans may be different from the actual dates the conflicts occurred.

VA estimates of veterans cover all persons with active duty service during periods of war or armed conflict and until 1982 include those living outside the United States. Veteran population estimates for September 1982 are for the 50 States, the District of Columbia and Puerto Rico. Veterans whose active duty service was entirely during periods of peacetime are eligible for some veteran benefits and, where appropriate, are included in VA estimates.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

NO. 533. NATIONAL DEFENSE OUTLAYS AND VETERANS BENEFITS: 1960 TO 1989

[For fiscal year ending in year shown; see text, section 9. Includes outlays of Department of Defense, Veterans Administration, and other agencies for activities primarily related to national defense and veterans programs. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 472-473 and Y 476, for related data]

YEAR	NATIONAL DEFENSE AND VETERANS OUTLAYS				ANNUAL PERCENT CHANGE ¹				DEFENSE OUTLAYS, PERCENT OF—	
	Total outlays (bil. dol.)	Defense outlays		Veterans outlays (bil. dol.)	Total outlays	Defense outlays		Veterans outlays	Federal outlays	Gross national product ²
		Current dollars (bil. dol.)	Constant (1982) dollars (bil. dol.)			Current dollars	Constant (1982) dollars			
1960.....	53.5	48.1	192.1	5.4	2.5	2.4	-1.9	3.1	52.2	9.5
1962.....	58.0	52.3	202.2	5.6	4.0	4.3	2.6	1.7	49.0	9.4
1963.....	58.9	53.4	197.1	5.5	1.6	2.0	-2.5	-1.9	48.0	9.1
1964.....	60.4	54.8	195.8	5.7	2.6	2.5	.9	2.9	46.2	8.7
1965.....	56.3	50.6	181.4	5.7	-6.8	-7.6	-8.8	.7	42.8	7.5
1966.....	64.0	58.1	197.9	5.9	13.7	14.8	9.1	3.5	43.2	7.9
1967.....	78.2	71.4	235.1	6.7	22.1	22.9	18.8	13.8	45.4	9.0
1968.....	89.0	81.9	254.8	7.0	13.8	14.7	8.4	4.4	46.0	9.6
1969.....	90.1	82.5	243.4	7.6	1.3	.7	-4.5	8.5	44.9	8.9
1970.....	90.4	81.7	225.6	8.7	.3	-1.0	-7.3	13.6	41.8	8.3
1971.....	88.7	78.9	202.7	9.8	-1.9	-3.5	-10.2	12.7	37.5	7.5
1972.....	89.9	79.2	190.9	10.7	1.4	.4	-5.8	9.8	34.3	6.9
1973.....	88.7	76.7	175.1	12.0	1.3	-3.1	-8.3	12.0	31.2	6.0
1974.....	92.7	79.3	163.3	13.4	4.6	3.5	-6.7	11.4	29.5	5.6
1975.....	103.1	86.5	159.8	16.6	11.2	9.0	-2.1	24.0	26.0	5.7
1976.....	108.1	89.6	153.6	18.4	4.8	3.6	-3.9	11.0	24.1	5.3
1976, TQ ³	26.2	22.3	37.1	4.0	(x)	(x)	(x)	(x)	23.2	5.0
1977.....	115.3	97.2	154.3	18.0	6.7	6.5	.5	-2.1	23.8	5.0
1978.....	123.5	104.5	155.0	19.0	7.1	7.5	.5	5.2	22.8	4.8
1979.....	136.3	116.3	159.1	19.9	10.4	11.3	2.6	5.0	23.1	4.8
1980.....	155.2	134.0	164.0	21.2	13.9	15.2	3.1	6.3	22.7	5.0
1981.....	180.5	157.5	171.4	23.0	16.3	17.6	4.5	8.5	23.2	5.3
1982.....	209.3	185.3	185.3	24.0	15.9	17.6	8.1	4.2	24.9	5.9
1983.....	234.7	209.9	201.3	24.8	12.2	13.3	8.6	3.7	26.0	6.3
1984.....	253.0	227.4	211.3	25.6	7.8	8.3	5.0	3.1	26.7	6.2
1985.....	279.0	252.7	230.0	26.3	10.3	11.1	8.8	2.6	26.7	6.4
1986.....	299.7	273.4	243.7	26.4	7.4	8.2	6.0	.2	27.6	6.5
1987.....	308.8	282.0	250.3	26.8	3.0	3.2	2.7	1.6	28.1	6.4
1988.....	319.8	290.4	252.9	29.4	3.6	3.0	1.0	9.7	27.3	6.1
1989, est.....	327.5	298.3	250.0	29.2	2.4	2.7	-1.1	-7.7	26.2	5.8

X Not applicable. ¹ Change from prior year shown; for 1960, change from 1955. ² Represents fiscal year GNP; for definition, see text, section 14. ³ Transition quarter, July-Sept.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

NO. 534. FEDERAL BUDGET OUTLAYS FOR NATIONAL DEFENSE FUNCTIONS: 1970 TO 1989

[In billions of dollars, except percent. For fiscal year ending in year shown; see text, section 9. Minus sign (-) indicates decline. See *Historical Statistics, Colonial Times to 1970*, series Y 473, for total]

DEFENSE FUNCTION	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989, est.
Total.....	81.7	86.5	116.3	134.0	157.5	185.3	209.9	227.4	252.7	273.4	282.0	290.4	298.3
Annual percent change ¹	10.1	9.0	11.3	15.2	17.6	17.6	13.3	8.3	11.1	8.2	3.2	3.0	2.7
Defense Dept., military.....	80.1	84.9	113.6	130.9	153.9	180.7	204.4	220.9	245.2	265.5	274.0	281.9	289.8
Military personnel.....	29.0	32.2	37.3	40.9	47.9	55.2	60.9	64.2	67.8	71.5	72.0	75.3	78.2
Percent of military.....	36.2	37.9	32.9	31.2	31.2	30.5	29.8	29.0	27.7	26.9	26.3	27.1	27.0
Operation, maintenance.....	21.6	26.3	36.4	44.8	51.9	59.7	64.9	67.4	72.4	75.3	76.2	84.5	85.4
Procurement.....	21.6	16.0	25.4	29.0	35.2	43.3	53.6	61.9	70.4	76.5	80.7	77.2	80.7
Research and development.....	7.2	8.9	11.2	13.1	15.3	17.7	20.6	23.1	27.1	32.3	33.8	34.8	37.0
Military construction.....	1.2	1.5	2.1	2.5	2.5	2.9	3.5	3.7	4.3	5.1	5.9	5.9	5.8
Family housing.....	.6	1.1	1.5	1.7	1.7	2.0	2.1	2.4	2.6	2.8	2.9	3.1	3.2
Other ²	-1.1	-1.1	-3	-1.1	-6	-1	-1.2	-1.7	.6	2.0	2.6	.2	-5
Atomic energy activities ³	1.4	1.5	2.5	2.9	3.4	4.3	5.2	6.1	7.1	7.4	7.5	7.9	7.9
Defense-related activities ⁴.....	.2	.2	.2	.2	.2	.3	.3	.4	.5	.5	.6	.5	.5

¹ Change from immediate prior year; for 1970, change from 1965. ² Revolving and management funds, trust funds, special foreign currency program, allowances, and offsetting receipts. ³ Defense activities only. ⁴ Includes civil defense activities.

Source: U.S. Office of Management and Budget, *Historical Tables, Budget of the United States Government*, annual.

NO. 535. NATIONAL DEFENSE—FUNDS AVAILABLE AND OUTLAYS: 1975 TO 1989

[In billions of dollars, except percent. For fiscal year ending in year shown, except as noted; see text, section 9. See *Historical Statistics, Colonial Times to 1970*, series Y 458-460 for outlays]

ITEM	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989, est.
Funds available	102.7	147.9	167.1	204.7	243.5	280.1	309.2	346.9	351.2	347.9	320.1	328.2
Budget authority ¹	87.6	126.5	143.9	180.0	216.5	245.0	265.2	294.7	289.1	287.4	292.0	298.8
Department of Defense-Military ²	85.8	123.6	140.6	176.1	211.5	238.9	258.2	286.8	281.4	279.5	283.8	290.2
Atomic energy ^{1,3}	1.8	2.9	3.2	3.9	5.1	6.2	7.0	7.9	7.7	8.0	8.3	8.6
Unobligated balances ^{1,4}	15.1	21.4	23.3	24.7	27.0	35.1	44.0	52.2	62.1	60.4	42.8	41.7
Department of Defense-Military	15.1	21.3	23.0	24.2	26.5	34.6	43.4	51.6	61.5	60.0	42.3	41.2
Atomic energy ^{1,3}	(NA)	.1	.3	.5	.5	.5	.6	.6	.6	.4	.5	.6
Outlays (Defense)¹	86.5	116.3	134.0	157.5	185.3	209.9	227.4	252.7	273.4	262.0	290.4	296.3
Percent of funds available	84.2	78.7	80.2	76.9	76.1	74.9	73.6	72.9	77.8	81.1	90.7	90.9
Department of Defense-Military	84.9	113.6	130.9	153.9	180.7	204.4	220.9	245.2	265.5	274.0	281.9	289.8
Atomic energy ^{1,3}	1.7	2.8	3.1	3.6	4.6	5.5	6.5	7.6	7.9	8.0	8.4	8.5

NA Not available. ¹ Includes defense budget authority, balances, and outlays by other departments. ² Excluding accruals. ³ Includes other defense related activities. ⁴ Start of year.

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

NO. 536. NATIONAL DEFENSE—MILITARY BUDGET AUTHORITY BY MAJOR MISSION: 1975 TO 1989

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Detail may not add to total because of revisions to total and not to detail]

MISSION	1975	1980	1982	1983	1984	1985	1986	1987	1988	1989, est.
Total	87.6	143.9	216.5	245.0	265.2	294.7	289.1	287.4	283.8	290.2
General purpose	28.1	52.2	88.1	98.8	100.7	118.4	116.2	114.9	114.9	112.8
Training, medical	20.0	29.2	39.6	42.2	43.3	33.6	33.6	35.5	37.3	38.5
Research and development	7.7	11.9	16.9	18.7	21.5	24.4	25.7	27.5	28.4	29.1
Intelligence and communications	6.3	9.1	13.9	17.3	20.0	25.1	26.4	27.7	28.3	29.5
Strategic forces	7.2	11.1	15.3	19.7	26.1	27.4	24.2	21.1	19.8	21.2
Central supply and maintenance	9.1	16.0	21.1	21.6	23.4	26.7	24.4	22.7	24.3	25.3
Guard and reserve	4.8	7.9	10.6	12.1	12.2	15.8	15.8	15.7	16.9	17.2
Airlift and sealift .....	.9	2.1	4.0	4.3	5.5	8.7	7.6	7.1	4.4	5.4
Admin. and assoc. activities	2.0	2.5	3.6	4.1	4.8	6.1	7.1	6.6	6.7	6.9
Support of other nations	1.8	.6	.9	.7	.7	.6	.5	.7	.8	1.0
PERCENT DISTRIBUTION										
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
General purpose	32.0	36.6	41.2	41.3	39.0	41.3	41.3	41.1	40.5	38.9
Training, medical	22.8	20.5	18.5	17.6	16.8	11.7	11.9	12.7	13.1	13.3
Research and development	8.8	8.3	7.9	7.8	8.3	8.5	9.1	9.8	10.0	10.0
Intelligence and communications	7.2	6.4	6.5	7.2	7.7	8.8	9.4	9.9	10.0	10.2
Strategic forces	8.2	7.8	7.2	8.2	10.1	9.6	8.6	7.5	7.0	7.3
Central supply and maintenance	10.4	11.2	9.9	9.0	9.1	9.3	8.7	8.1	8.6	8.7
Guard and reserve	5.5	5.5	5.0	5.1	4.7	5.5	5.5	5.6	6.0	5.9
Airlift and sealift	1.0	1.5	1.9	1.8	2.1	3.0	2.7	2.5	1.6	1.9
Admin. and assoc. activities	2.3	1.8	1.7	1.7	1.9	2.1	2.5	2.4	2.4	2.4
Support of other nations	2.0	.4	.4	.3	.3	.2	.2	.3	.3	.3

Source: U.S. Office of Management and Budget, *Budget of the United States Government*, annual.

NO. 537. FEDERAL RESEARCH AND DEVELOPMENT FUNDING FOR NATIONAL DEFENSE: 1980 TO 1989

[In billions of dollars. For fiscal year ending in year shown; see text, section 9. Represents budget authority data]

DEFENSE PROGRAMS	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989, est.
Total	14.9	18.4	22.1	24.9	29.3	33.7	36.9	39.2	40.1	40.6
Department of Defense (DOD)-Military	13.8	17.1	20.5	23.9	27.9	31.4	34.7	37.7	38.1	41.8
Research, development, test and evaluation	13.3	16.5	19.8	22.8	26.8	30.9	33.7	37.0	37.5	41.0
Tactical programs	5.2	6.1	6.9	7.3	7.9	9.1	10.3	12.0	13.2	14.9
Strategic programs	2.2	3.4	4.6	5.8	7.9	8.2	7.5	7.2	6.5	5.6
Intelligence and communications	1.2	1.6	2.2	2.7	3.4	4.0	4.5	4.9	4.5	4.7
Advanced technology development .....	.6	.8	.8	.8	1.4	2.8	4.1	5.4	5.9	7.8
Defensewide mission support	1.9	2.1	2.5	2.8	3.0	3.8	4.1	4.3	4.0	4.6
Technology base	2.3	2.6	2.9	3.2	3.1	3.1	3.2	3.3	3.5	3.3
Other DOD military .....	.5	.6	.6	.7	.7	.6	1.0	.6	.6	.7
Atomic energy defense activities (DOE) ^{1,2}	1.1	1.3	1.5	1.6	1.9	2.3	2.3	2.4	2.5	2.5
Weapons research, development, and testing .....	.8	.8	.9	.9	1.3	1.5	1.5	1.6	1.6	1.6
Naval reactors development .....	.2	.3	.3	.3	.4	.4	.5	.5	.5	.5
<i>Strategic Defense Initiative</i> ³	(NA)	(NA)	(NA)	(NA)	(NA)	1.4	1.4	2.7	3.3	3.6

NA Not available. ¹ Includes other programs not shown separately. ² Department of Energy. ³ Source: Congressional Budget Office, based on data from the Department of Defense. Represents research, development, test, and evaluation expenditures.

Source: Except as noted, U.S. National Science Foundation, *Federal R&D Funding by Budget Function*, annual.

No. 538. EMPLOYMENT—DEFENSE-RELATED AGENCIES: 1970 TO 1987

[In thousands, except percent. Annual averages]

EMPLOYMENT	1970	1980	1981	1982	1983	1984	1985	1986	1987
Total U.S. employment ¹	80,796	100,907	102,042	101,194	102,510	106,702	108,856	111,303	114,177
Federal	4,783	4,386	4,387	4,401	4,430	4,521	4,608	4,601	4,709
Resident Armed Forces	2,118	1,604	1,645	1,668	1,676	1,697	1,706	1,708	1,737
Civilian personnel ²	2,645	2,782	2,722	2,733	2,754	2,824	2,902	2,895	2,972
Federal defense-related agencies, excluding Armed Forces³	1,211	948	972	979	1,016	1,033	1,073	1,059	1,079
Percent of Federal civilian personnel	44.3	33.1	35.1	35.7	36.6	36.8	37.3	36.5	36.3
Federal defense-related agencies¹	3,329	2,552	2,617	2,647	2,692	2,730	2,779	2,765	2,816
Percent of total Federal ¹	68.7	57.1	59.2	60.1	60.5	60.8	60.7	60.0	59.8
Percent of total U.S. ¹	4.1	2.5	2.6	2.6	2.6	2.6	2.6	2.5	2.5

¹ Includes resident Armed Forces. ² See table 522. ³ Source: Beginning 1980, U.S. Dept. of Defense, *Civilian Manpower Statistics*, annual (Sept. issues).

Source: Except as noted, U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 539. MILITARY PRIME CONTRACT AWARDS TO ALL BUSINESSES, BY PROGRAM: 1980 TO 1988

[In billions of dollars. Net values for fiscal year ending in year shown; see text, section 9. Includes all new prime contracts; debit or credit changes in contracts are also included. Actions cover official awards, amendments, or other changes in prime contracts to obtain military supplies, services, or construction. Excludes term contracts and contracts which do not obligate a firm total dollar amount or fixed quantity, but includes job orders, task orders, and delivery orders against such contracts]

DOD PROCUREMENT PROGRAM	1980	1982	1983	1984	1985	1986	1987	1988			
								Total	Per cent small business ¹	Per cent women owned	Small disadvantaged businesses
Total	83.7	124.7	140.5	146.0	163.7	158.8	156.5	151.4	(NA)	(NA)	(NA)
Intragovernmental ²	10.2	12.8	9.9	10.1	12.4	9.9	8.8	8.9	(NA)	(NA)	(NA)
For work outside the U.S.	5.4	7.5	7.2	8.3	8.6	9.1	8.9	8.2	(NA)	(NA)	(NA)
Educational and non-profit institutions	1.5	2.0	2.2	2.7	3.1	3.4	3.5	3.5	(NA)	(NA)	(NA)
With business firms for work in the United States ³	66.7	102.5	121.1	124.9	139.6	136.5	130.8	130.8	19.3	.9	2.8
Major hard goods	41.0	67.9	80.8	86.3	98.1	92.8	93.0	85.9	6.8	.2	1.0
Aircraft	12.5	21.1	26.3	29.2	34.6	32.3	27.7	25.0	4.5	.2	.6
Electronics and communication equipment	9.6	14.2	16.7	19.7	22.0	19.7	22.6	17.8	10.3	.5	2.0
Missiles and space systems	7.9	12.7	14.7	16.7	18.7	19.4	19.8	19.7	3.4	.2	.8
Ships	6.0	9.6	12.8	9.4	10.4	9.4	11.5	13.7	8.8	.1	.6
Tank-automotive	2.1	4.4	4.7	5.0	5.2	5.2	4.9	3.9	10.0	.5	1.9
Ammunition	1.9	3.6	3.2	4.0	4.7	4.5	4.6	4.1	10.0	—	1.1
Weapons	1.1	2.3	2.4	2.4	2.6	2.3	2.1	1.7	14.1	—	2.3
Services	5.9	7.9	10.4	8.5	9.1	10.4	11.0	12.0	31.4	2.3	10.1
All other	19.8	26.7	29.9	30.1	32.3	33.2	31.3	32.9	47.4	2.1	4.6

— Represents or rounds to zero. NA Not available. ¹ Covers firms not dominant in their fields of operation and employing fewer than 1,000, 750, or 500 persons, depending on industry classifications. For certain types of firms, other criteria are used, such as yearly gross sales. ² Covers only purchases from other Federal agencies and reimbursable purchases on behalf of foreign governments. ³ Includes Department of Defense contracts awarded for work in U.S. possessions, Commonwealth of Puerto Rico, Trust Territories of the Pacific, and other areas subject to complete sovereignty of U.S.; contracts in a classified location; and any intragovernmental contracts entered into overseas.

Source: U.S. Dept. of Defense, *Prime Contract Awards*, semiannual.

No. 540. MILITARY PRIME CONTRACT AWARDS TO ALL BUSINESSES, BY SOLICITATION PROCEDURE: 1986 TO 1988

[In billions of dollars]

SOLICITATION PROCEDURE	1986	1987	1988	SOLICITATION PROCEDURE	1986	1987	1988
Total	158.8	156.5	151.4	O/T full and open competition ²	26.8	50.1	53.4
Foreign military sales	6.4	5.0	5.2	Only one source	16.9	34.5	37.0
Total PRE-CICA awards	76.8	40.2	25.7	Unique source	8.6	18.1	19.9
Total POST-CICA awards	75.6	111.4	120.4	Follow-on	2.8	7.1	7.4
Actions of \$25,000 or less	13.0	13.9	14.2	Unsolicited research proposal	.2	.3	.2
Full and open competition ¹	35.8	47.4	52.9	Urgency	2.5	3.2	2.7
Sealed bids	5.5	6.0	5.9	Mobilization	3.4	6.0	5.9
Competitive proposal	20.2	29.4	33.5	Essential R&D capability	.4	1.0	1.2
Alternate source	.5	.8	1.9	International agreement	.2	.9	.3
Set aside	8.2	9.2	9.0	Authorized by statute	1.5	2.7	2.8
				Authorized resale	.8	.6	.7
				National security	1.4	1.9	2.7

¹ Includes post-CICA (Competition in Contracting Act) GSA schedule awards. ² Includes post-CICA 8 program and intragovernmental, except GSA schedule awards.

Source: Dept. of Defense, *Prime Contract Awards*, semiannual.

Defense Contract Awards

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NO. 541. DEPARTMENT OF DEFENSE CONTRACT AWARDS, PAYROLL, CIVILIAN AND MILITARY PERSONNEL—STATES: 1986 TO 1988

[For years ending Sept. 30. Contracts refer to awards made in year specified; expenditures relating to awards may extend over several years. Payroll estimates cover active duty military and direct hire civilian personnel, including Army Corps of Engineers. Civilian employees represent direct hire civilian employees; excluded are those who are not subject to Office of Management and Budget ceiling controls, such as summer aides. Military personnel in each department include a number of personnel in a transient status. These personnel are in a travel, proceed, leave enroute, or temporary duty status while on permanent change of station (PCS) orders. The Navy and Air Force report these personnel at their location prior to their arrival at their new permanent duty location. The Army includes these personnel in one category entitled "Undistributed," which also includes personnel for which an exact location is undetermined]

STATE	CONTRACT AWARDS ¹ (mil. dol.)			PAYROLL (mil. dol.)			CIVILIAN EMPLOYEES (1,000)			MILITARY PERSONNEL (1,000)		
	1986	1987	1988	1986	1987	1988	1986	1987	1988	1986	1987	1988
U.S., total	136,026	133,262	125,767	59,456	60,331	61,782	963.9	979.3	937.2	1,427.6	1,377.4	1,338.1
AL.....	1,604	1,661	1,826	1,352	1,301	1,291	26.8	27.4	25.6	23.3	23.8	20.6
AK.....	565	555	422	541	604	649	5.0	5.5	5.0	21.0	22.1	22.5
AZ.....	2,632	3,211	2,652	754	793	806	10.6	10.7	10.4	25.6	24.9	24.8
AR.....	887	738	742	362	322	314	4.9	5.0	5.0	9.9	9.8	9.1
CA.....	27,738	24,515	23,458	9,475	9,568	9,842	135.2	137.7	131.2	209.0	206.5	204.8
CO.....	1,897	2,716	2,891	1,091	1,090	1,264	14.1	14.5	13.7	43.0	42.7	38.3
CT.....	5,441	5,031	4,911	414	419	437	5.0	4.9	5.0	7.2	7.2	7.4
DE.....	224	198	233	129	132	151	1.8	1.9	1.8	4.8	4.8	4.6
DC.....	957	1,272	1,665	929	924	924	16.8	17.2	17.0	13.1	13.0	12.6
FL.....	5,664	5,797	5,328	2,867	3,623	2,990	32.0	33.3	32.0	74.7	75.7	77.0
GA.....	3,764	3,512	1,616	2,186	2,245	2,229	39.9	40.2	37.8	63.6	62.9	62.1
HI.....	563	461	541	1,775	1,757	1,853	20.8	20.7	20.6	44.2	45.4	44.0
ID.....	63	74	62	142	140	142	1.3	1.4	1.3	5.8	5.9	5.6
IL.....	1,735	1,924	1,500	1,621	1,340	1,293	22.1	22.1	21.0	42.1	37.3	37.9
IN.....	2,490	2,231	1,518	544	565	571	15.2	15.2	15.0	6.9	6.5	5.8
IA.....	580	600	561	64	54	49	1.5	1.5	1.5	.4	.4	.4
KY.....	1,955	1,245	950	637	691	799	7.1	7.3	6.8	22.5	23.1	23.2
KS.....	557	462	397	1,046	1,083	1,038	14.2	14.3	13.5	38.9	39.2	38.4
LA.....	1,498	1,685	1,439	757	730	695	9.3	9.1	9.1	25.4	25.2	22.8
ME.....	584	890	518	432	433	459	10.1	10.6	10.7	5.9	5.8	5.5
MD.....	4,537	4,752	4,271	2,036	2,103	2,076	42.3	43.5	42.0	35.3	35.7	34.3
MA.....	8,735	8,685	7,212	543	541	652	12.2	12.1	11.7	9.2	9.4	8.7
MI.....	2,353	1,866	1,270	556	550	536	12.7	12.9	11.9	8.9	9.3	8.9
MN.....	2,355	2,426	2,083	132	102	109	2.9	2.9	3.0	.9	.9	.9
MS.....	1,634	1,474	2,422	947	690	708	11.3	11.5	11.1	17.0	17.5	14.4
MO.....	5,548	5,997	5,507	924	862	927	21.0	20.9	20.1	15.5	15.7	15.2
MT.....	82	93	80	106	105	130	1.3	1.3	1.3	3.9	4.0	4.2
NE.....	226	257	259	468	411	418	4.0	4.0	4.0	13.2	13.5	13.1
NV.....	141	232	207	231	244	229	2.0	2.2	2.0	10.0	10.0	9.2
NH.....	471	469	481	157	133	134	1.6	1.5	1.5	4.0	4.1	3.9
NJ.....	3,226	3,293	3,359	1,072	1,185	1,216	27.6	28.7	25.1	20.5	19.7	18.6
NM.....	565	584	663	629	635	635	9.9	10.1	10.0	16.8	16.6	15.2
NY.....	9,908	9,625	7,706	956	993	1,151	19.7	19.5	19.4	22.7	27.0	28.3
NC.....	1,049	1,243	1,241	2,179	2,311	2,540	16.1	16.2	15.6	96.1	94.8	89.9
ND.....	229	158	117	250	246	247	1.8	1.9	1.9	11.1	11.2	10.9
OH.....	5,201	4,550	5,060	1,301	1,292	1,136	34.4	34.1	33.3	11.7	11.8	11.5
OK.....	775	608	541	1,308	1,305	1,365	27.3	26.1	23.8	30.7	30.8	34.0
OR.....	340	287	453	219	118	116	3.1	3.2	3.2	.8	.8	.7
PA.....	4,192	3,845	3,309	1,703	1,694	1,828	53.4	57.3	52.6	6.6	6.6	6.1
RI.....	394	478	429	267	269	279	4.5	4.6	4.3	4.1	3.9	3.7
SC.....	521	571	566	1,678	1,690	1,757	20.2	20.7	20.3	47.0	44.6	41.8
SD.....	128	58	54	157	164	164	1.4	1.5	1.5	6.1	6.7	6.7
TN.....	1,157	986	1,207	456	389	409	7.5	7.7	7.6	10.4	10.5	10.0
TX.....	10,940	8,654	9,001	4,147	4,381	4,394	63.6	67.0	62.3	135.3	135.1	126.4
UT.....	714	1,183	870	735	721	734	23.3	22.3	21.7	6.0	6.0	5.8
VT.....	124	113	122	20	19	20	.6	.6	.6	.1	.1	.1
VA.....	5,402	7,807	10,238	6,993	7,216	7,693	106.1	108.6	106.2	98.9	100.0	100.8
WA.....	2,525	3,112	2,825	1,855	1,880	2,120	28.5	29.8	28.7	42.3	43.3	42.0
WV.....	105	150	218	97	58	62	1.6	1.6	1.7	.4	.4	.4
WI.....	981	951	911	120	107	113	3.3	3.3	3.3	.9	.9	.9
WY.....	92	47	55	102	103	115	1.1	1.2	1.2	4.1	4.1	3.9

¹ Military awards for supplies, services, and construction. Net value of contracts of over \$25,000 for work in each State and DC. Figures reflect impact of prime contracting on State distribution of defense work. Often the State in which a prime contractor is located is not the State in which the subcontracted work is done. See also headnote, table 539. ² Includes undistributed civilians. ³ Includes undistributed military personnel.

Source: U.S. Dept. of Defense, *Atlas/Data Abstract for the United States and Selected Areas*, annual.

No. 542. WORLDWIDE MILITARY EXPENDITURES: 1977 TO 1987

(For military expenditures and Armed Forces by country, see section 31. GNP=Gross national product)

COUNTRY GROUP	MILITARY EXPENDITURES (bil. dol.)											PER CAPITA (dol.)	
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1980	1987
CURRENT DOLLARS													
Worldwide, total ¹	457.4	502.8	550.9	627.4	710.3	795.1	848.8	901.5	956.0	983.8	1,018.4	141	202
United States.....	100.9	109.2	122.3	144.0	169.9	196.4	217.2	237.1	265.8	280.9	296.2	632	1,215
Percent of total.....	22.1	21.7	22.2	23.0	23.9	24.7	25.6	26.3	27.8	28.6	29.1	(x)	(x)
Developed countries ²	358.6	391.3	435.4	495.9	559.5	622.6	669.5	713.1	765.9	799.8	843.6	457	740
Developing countries ²	98.8	111.6	115.6	131.5	150.8	172.3	179.3	188.4	190.1	184.0	172.8	39	44
NATO countries ³	171.5	187.0	208.7	241.4	278.3	315.1	343.5	369.6	404.4	423.2	446.6	417	734
Warsaw Pact countries.....	175.4	190.9	210.9	236.0	261.2	286.0	301.0	317.0	333.4	346.5	364.5	628	919
Soviet Union.....	148.4	159.6	176.9	198.2	219.6	237.9	250.7	263.7	277.2	287.6	303.0	744	1,067
CONSTANT (1987) DOLLARS													
Worldwide, total ¹	800.0	819.3	825.1	861.2	889.6	935.5	961.7	984.6	1,013.9	1,016.1	1,016.4	193	202
United States.....	176.5	178.0	183.1	197.6	212.8	231.1	246.0	258.9	281.9	290.1	296.2	868	1,215
Percent of total.....	22.1	21.7	22.2	22.9	23.9	24.7	25.6	26.3	27.8	28.6	29.1	(x)	(x)
Developed countries ²	627.1	637.5	652.0	690.7	700.7	732.8	758.5	778.8	812.3	826.0	843.6	628	740
Developing countries ²	172.9	181.8	173.1	180.5	188.9	202.7	203.1	205.8	201.6	190.0	172.8	53	44
NATO countries ³	300.0	304.7	312.5	331.3	348.6	370.8	389.2	403.7	428.9	437.1	446.6	573	734
Warsaw Pact countries.....	308.7	311.1	315.8	324.0	327.1	336.5	341.0	346.2	353.5	357.8	364.5	862	919
Soviet Union.....	256.0	260.0	264.9	272.1	275.0	279.9	284.0	288.0	294.0	297.0	303.0	1,021	1,067
PERCENT OF GNP													
Worldwide, total	5.5	5.4	5.2	5.4	5.5	5.7	5.8	5.7	5.7	5.5	5.4	(x)	(x)
United States.....	5.1	4.9	4.9	5.3	5.6	6.2	6.4	6.3	6.6	6.6	6.5	(x)	(x)
Developed countries ²	5.2	5.1	5.0	5.2	5.3	5.5	5.5	5.5	5.5	5.5	5.5	(x)	(x)
Developing countries ²	6.8	7.0	6.3	6.2	6.4	6.8	6.7	6.6	6.3	5.8	5.1	(x)	(x)
NATO countries ³	4.2	4.1	4.1	4.3	4.5	4.8	4.9	4.9	5.0	5.0	4.9	(x)	(x)
Warsaw Pact countries ⁴	11.0	10.8	10.9	11.0	11.0	11.1	11.0	11.0	11.0	10.7	10.8	(x)	(x)
Soviet Union ⁴	12.8	12.5	12.7	12.9	12.8	12.7	12.6	12.6	12.6	12.2	12.3	(x)	(x)

X Not applicable. ¹ Includes countries not shown separately. ² Twenty-eight developed countries; see table 543 for selected countries; for complete list see source. ³ North Atlantic Treaty Organization. ⁴ The meaning of the ratio of military expenditures to GNP differs somewhat between most Communist countries and non-Communist countries because of different estimating procedures. For details, see source.

No. 543. ARMS TRADE IN CONSTANT (1987) DOLLARS—SELECTED COUNTRIES: 1985 TO 1987

[In millions of dollars, except percent. Because some countries exclude arms imports or exports from their trade statistics and their "total" imports and exports are therefore understated and because arms transfers maybe estimated independently of trade data, the ratio of arms to total imports or exports maybe overstated and may even exceed 100 percent]

COUNTRY	1985	1986	1987		COUNTRY	1985	1986	1987	
			Total	Arms imports as percent of total imports				Total	Arms imports as percent of total imports
Arms trade, world total ¹	48,310	44,370	47,410	1.9	RECIPIENT COUNTRIES				
EXPORTERS					Developing ¹	37,110	33,620	38,980	6.8
Canada.....	202	134	120	.2	Afghanistan.....	795	749	1,300	(NA)
China: Mainland.....	716	1,239	1,000	.9	Algeria.....	509	620	700	(NA)
Czechoslovakia.....	1,591	1,343	975	3.8	Angola.....	622	1,343	1,600	(NA)
France.....	5,091	4,131	2,600	6.1	Argentina.....	191	31	30	.5
Poland.....	1,273	1,448	800	6.5	Cuba.....	2,545	1,852	1,800	24.9
Soviet Union.....	18,450	19,730	21,200	.7	Egypt.....	1,591	1,343	1,500	9.2
United Kingdom.....	1,167	1,446	2,100	.2	El Salvador.....	95	83	50	(NA)
United States.....	11,770	9,398	12,600	-1	Ethiopia.....	822	341	1,000	111.1
West Germany.....	928	645	1,800	.2	Greece.....	318	155	150	1.1
IMPORTERS					India.....	2,439	3,098	3,200	19.1
Developed ¹	11,200	10,750	8,430	.4	Iran.....	1,909	2,272	1,500	15.7
Australia.....	848	955	625	2.1	Iraq.....	4,454	3,925	5,600	75.5
Canada.....	106	134	150	.2	Israel.....	1,061	485	1,600	11.1
Czechoslovakia.....	848	1,136	900	3.8	Jordan.....	610	269	320	11.8
East Germany.....	1,273	1,033	220	.7	Kuwait.....	495	134	150	2.9
Hungary.....	85	186	360	3.7	Libya.....	1,697	1,239	625	12.8
Italy.....	244	227	170	.1	Morocco.....	117	83	130	3.1
Japan.....	1,061	800	725	.5	Nicaragua.....	286	594	500	54.2
Poland.....	1,061	1,239	725	6.5	North Korea.....	382	423	420	(NA)
Romania.....	42	516	110	1.0	Oman.....	106	10	30	1.6
Soviet Union.....	1,167	1,136	625	.7	Pakistan.....	498	382	150	2.6
United Kingdom.....	716	645	380	.2	Peru.....	85	176	430	12.5
United States.....	636	444	625	.1	Saudi Arabia.....	4,030	3,925	3,800	15.6
West Germany.....	509	351	420	.2	South Korea.....	456	568	550	1.3
					Spain.....	127	310	875	1.9
					Syria.....	1,697	1,239	1,900	26.7
					Turkey.....	467	620	925	7.0
					Venezuela.....	467	103	90	1.0
					Vietnam.....	1,591	2,169	1,900	(NA)
					Yemen (Sanaa).....	244	289	390	30.0

NA Not available. ¹ Includes countries not shown separately.

Source of tables 542 and 543: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

No. 544. ARMS TRANSFERS—CUMULATIVE VALUE FOR PERIOD 1983-1987, BY MAJOR SUPPLIER AND RECIPIENT COUNTRY

[In millions of dollars]

RECIPIENT	Total ¹	SUPPLIER							
		Soviet Union	United States	France	United Kingdom	West Germany	China: Mainland	Poland	Czechoslovakia
World, total ¹	237,735	96,435	54,640	19,710	8,065	7,975	6,515	5,550	5,315
NATO	22,175	90	15,660	195	1,600	2,470	-	-	20
Warsaw Pact	24,650	16,550	-	40	-	20	-	3,955	1,910
OPEC	74,455	20,750	8,960	13,020	3,530	1,030	5,120	530	2,210
Africa ¹	29,295	19,040	1,425	1,575	570	165	245	100	1,500
Algeria	3,230	2,500	240	60	160	-	-	-	210
Angola	6,350	5,900	-	90	-	-	-	50	-
Ethiopia	4,330	4,200	-	-	-	-	-	-	20
Libya	7,730	3,900	-	240	-	30	10	50	1,200
Morocco	840	-	260	310	-	-	20	-	-
Mozambique	1,330	1,300	-	-	-	-	-	-	-
Nigeria	1,515	90	140	130	340	70	5	-	60
Sudan	350	-	110	30	10	10	40	-	-
East Asia ¹	27,385	11,770	11,350	205	480	460	105	240	-
China: Mainland	2,080	330	150	80	190	90	(x)	-	-
Taiwan	2,410	-	2,400	10	-	-	-	-	-
North Korea	1,440	1,200	-	20	-	-	10	110	-
Malaysia	1,270	-	330	30	30	190	-	-	-
South Korea	2,340	-	2,300	10	10	-	-	-	-
Thailand	1,175	-	800	5	10	40	90	-	-
Vietnam	8,650	8,500	-	-	-	-	-	130	-
South Asia ¹	17,285	11,640	1,440	1,900	425	400	430	320	80
Afghanistan	4,070	4,000	-	-	-	-	-	-	50
India	10,990	7,600	130	1,900	410	400	-	320	10
Pakistan	1,920	-	1,300	-	-	-	270	-	20
Europe, NATO ¹	17,545	90	13,735	185	650	1,895	-	-	20
Belgium	1,450	-	1,400	40	-	-	-	-	-
Denmark	510	-	390	20	70	-	-	-	-
France	825	-	725	(x)	10	-	-	-	-
Greece	1,365	90	725	20	-	250	-	-	20
Italy	955	-	925	-	-	-	-	-	-
Netherlands	2,780	-	2,200	-	10	550	-	-	-
Norway	1,050	-	750	10	-	70	-	-	-
Turkey	2,935	-	1,400	20	470	975	-	-	-
United Kingdom	3,110	-	3,100	-	(x)	-	-	-	-
West Germany	2,160	-	1,900	50	90	(x)	-	-	-
Europe, Warsaw Pact ¹	24,650	16,550	-	40	-	20	-	3,955	1,910
Bulgaria	4,220	3,700	-	-	-	20	-	440	40
Czechoslovakia	4,030	3,800	-	-	-	-	-	40	(x)
East Germany	4,825	3,700	-	-	-	-	-	825	40
Hungary	1,030	875	-	-	-	-	-	150	130
Poland	4,300	3,900	-	-	-	-	-	(x)	260
Soviet Union	5,380	(x)	-	-	-	-	-	2,500	1,400
Europe, other ¹	5,800	580	2,815	175	730	820	-	-	-
Spain	1,700	-	1,400	130	30	10	-	-	-
Sweden	425	-	320	5	50	10	-	-	-
Switzerland	2,455	-	825	20	500	800	-	-	-
Yugoslavia	600	450	140	-	-	-	-	-	-
Latin America ¹	17,575	9,240	1,980	720	105	2,299	-	135	365
Argentina	1,700	-	60	10	-	1,400	-	-	-
Chile	315	-	5	70	60	130	-	-	-
Colombia	785	-	100	-	5	650	-	-	10
Cuba	8,380	7,000	-	-	-	-	-	130	350
Ecuador	460	-	70	80	30	-	-	-	-
Peru	1,060	430	130	340	-	60	-	-	-
Venezuela	1,090	-	550	30	-	40	-	-	-
Middle East ¹	89,965	27,525	16,820	14,870	3,925	1,260	5,735	800	1,440
Egypt	7,820	340	3,400	1,600	200	60	550	-	-
Iran	8,865	100	10	(NA)	70	(NA)	1,800	20	40
Iraq	29,895	13,900	-	4,800	40	700	3,300	460	700
Israel	4,300	-	4,300	-	-	-	-	-	-
Jordan	2,470	825	650	490	360	5	10	-	-
Kuwait	1,275	240	220	525	110	170	-	-	-
Saudi Arabia	18,320	-	7,200	6,400	2,400	-	-	-	-
Syria	10,450	8,900	-	20	-	10	70	320	700
Yemen (Sanaa)	1,435	1,300	30	-	-	5	-	-	-
North America	3,630	-	925	10	950	575	-	-	-
Canada	995	-	925	-	-	-	-	-	-
United States	2,635	-	(x)	10	950	575	-	-	-

 - Represents zero. NA Not available. X Not applicable. ¹ Includes countries not shown separately.

 Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

NO. 545. ARMS DELIVERED BY SELECTED SUPPLIER AND MAJOR WEAPON TYPE: 1983-1987

[The suppliers included are the five largest single exporters of major weapons in terms of magnitude of deliveries as well as other countries of the two major alliances; excluded are Albania, Bulgaria, Greece, Malta, Spain, Turkey, and Yugoslavia]

TYPE OF WEAPON	Total ¹	SUPPLIER						
		Soviet Union	Other Warsaw Pact	United States ²	France	United Kingdom	Other NATO	China: Mainland
Land armaments: Tanks.....	8,325	3,615	840	1,213	125	275	87	1,690
Anti-air artillery ³	3,309	1,920	170	84	25	-	55	940
Field artillery ⁴	14,803	4,155	150	1,673	255	45	5,345	1,020
Armored personnel carriers.....	17,155	7,775	1,355	2,190	1,000	125	1,090	1,315
Naval craft: Major surface combatants ⁵	103	28	4	11	10	31	2	17
Other surface combatants ⁶	399	109	-	27	18	39	25	7
Submarines.....	19	9	-	-	-	-	7	2
Missile attack boats.....	32	8	-	-	4	-	6	14
Aircraft: Combat aircraft (supersonic).....	2,058	1,255	-	435	190	52	-	105
Combat aircraft (subsonic).....	429	100	-	139	25	72	-	80
Other aircraft ⁷	1,679	410	215	145	70	34	290	25
Helicopters.....	1,649	910	100	235	230	13	86	-
Missiles (surface-to-air).....	27,029	16,690	5,000	2,114	1,385	900	65	350

- Represents zero. ¹ Includes other countries not shown separately. ² United States data are by fiscal years 1983 to 1987, while other suppliers' data are by calendar years 1983 to 1987. ³ Air defense artillery includes weapons over 23 millimeters. ⁴ Field artillery includes mobile rocket launchers, mortars, and recoilless rifles over 100 millimeters. ⁵ Major surface combatants include aircraft carriers, cruisers, destroyers, destroyer escorts, and frigates. ⁶ Minor surface combatants include motor torpedo boats, subchasers, and minesweepers. ⁷ Other aircraft include reconnaissance aircraft, trainers, transports, and utility aircraft.

Source: U.S. Arms Control and Disarmament Agency, *World Military Expenditures and Arms Transfers*, annual.

NO. 546. ESTIMATES OF TOTAL DOLLAR COSTS OF AMERICAN WARS

[In millions of dollars, except percent. Service-connected veterans' benefits estimated at 40 percent of total veterans' benefits except as noted]

ITEM	World War II	Vietnam Conflict	Korean Conflict	World War I	Civil War: Union	Civil War: Confederacy	Spanish American War	American Revolution	War of 1812	Mexican War
Original incremental, direct costs: ¹										
Current dollars.....	360,000	140,600	50,000	32,700	2,300	1,000	270	100-140	89	82
Constant (1967) dollars.....	816,300	148,800	69,300	100,000	8,500	3,700	1,100	400-680	170	300
Percent 1 year's GNP.....	188	14	15	43	74	123	2	104	14	4
Service-connected veterans' benefits ²	96,666	32,288	19,512	19,580	3,290	-	2,111	28	20	26
Interest, pmts. on war loans ³	(*)	(*)	(*)	11,000	1,200	(*)	60	20	14	10
Current cost to 1988 ⁴	456,666	172,288	69,512	63,280	6,790	(*)	2,441	170	120	120

- Represents zero. ¹ Figures are rounded and taken from Claudia D. Goldin, *Encyclopedia of American Economic History*, p. 938. ² Total cost to Oct. 1, 1968. For World War I and later wars, benefits are actual service-connected figures from *Annual Report of Veterans Administration*. For earlier wars, service-connected veterans' benefits are estimated at 40 percent of total, the approximate ratio of service-connected to total benefits since World War I. ³ Total cost to 1986. Interest payments are a very rough approximation based on the percentage of the original costs of each war financed by money creation and debt, the difference between the level of public debt at the beginning of the war and at its end, and the approximate time required to pay off the war debts. ⁴ Unknown. ⁵ Figures are rounded estimates.

Source: Originally presented in U.S. Congress, Joint Economic Committee, *The Military Budget and National Economic Priorities*, Part 1, 91st Congress, 1st session (statement of James L. Clayton); subsequently revised and updated by James L. Clayton, University of Utah, Salt Lake City, Utah.

NO. 547. U.S. MILITARY SALES AND ASSISTANCE TO FOREIGN GOVERNMENTS: 1950 TO 1988

[In millions of dollars, except as indicated. For fiscal year ending in year shown; see text section 9. Department of Defense (DOD) sales deliveries cover deliveries against DOD sales orders authorized under Arms Export Control Act, as well as earlier and applicable legislation. For details regarding individual programs, see source]

ITEM	1950-1978 ¹	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Military sales agreements.....	61,067	11,129	12,510	6,521	17,349	14,851	13,581	10,913	6,858	6,991	12,219
Weapons and ammunition.....	27,078	3,561	6,333	1,908	7,017	7,931	6,305	3,564	2,308	1,691	5,083
Support equipment ²	7,313	2,180	872	947	3,668	1,079	2,006	1,780	669	827	1,067
Spare parts and modifications.....	14,174	2,234	1,579	2,332	3,464	3,135	2,631	2,447	1,667	1,819	3,216
Support services.....	12,502	3,154	3,726	1,334	3,209	2,708	2,639	3,122	2,214	2,454	2,853
Military construction sales agreements.....	11,322	841	1,596	882	86	22	305	924	69	143	257
Military sales deliveries ³	40,569	7,907	7,208	9,091	10,474	12,938	9,518	8,433	7,901	11,622	9,197
Military sales financing.....	14,182	5,673	1,950	3,046	3,884	5,107	5,716	4,940	4,947	4,053	4,049
Military assistance programs ⁴	54,433	229	266	250	395	413	700	758	792	931	664
Military assistance program deliveries ⁵	52,891	169	435	309	416	173	129	22	27	39	19
IMET program/deliveries ⁶	1,920	27	25	28	44	47	52	55	52	55	47
Students trained (1,000) ⁶	493	4	4	5	6	7	6	7	6	6	6

¹ Includes transition quarter, July-September 1976. ² Includes aircraft, ships, support vehicles, communications, and other equipment. ³ Includes military construction sales deliveries. ⁴ Includes Military Assistance Service Funded (MASF) program data, Section 506(a) drawdown authority, and MAP Merger Funds as follows: FY 1982-\$134 million; FY 1983-\$324 million; FY 1984-\$642 million; FY 1985-\$758 million; FY 1986-\$752 million; FY 1987-\$906 million; 1988-\$664 million.

⁵ Includes Military Assistance Service Funded (MASF) program data and Section 506(a) drawdown authority.

⁶ IMET=International Military Education and Training program.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts*, annual, and unpublished data.

NO. 548. U.S. MILITARY SALES DELIVERIES TO FOREIGN GOVERNMENTS, BY COUNTRY: 1950 TO 1988

[In millions of dollars. For fiscal years ending in year shown; see text, section 9. Represents Department of Defense military sales deliveries; includes military construction sales deliveries]

COUNTRY	1950-1980 ¹	1981	1982	1983	1984	1985	1986	1987	1988	
									Total	Percent distribution
Total²	55,684.4	9,060.6	10,473.7	12,938.1	9,518.0	8,433.3	7,901.2	11,621.5	9,197.3	100.0
Australia	1,492.2	490.0	127.0	322.2	394.6	427.9	370.1	554.9	577.4	6.3
Belgium	618.5	276.5	293.7	273.0	195.6	119.3	27.8	27.0	236.8	2.6
Canada	1,442.3	81.8	116.1	110.6	139.2	73.1	113.7	126.8	245.6	2.7
China: Taiwan	1,205.2	373.4	386.3	389.2	274.9	339.5	247.6	375.3	536.5	5.8
Denmark	394.2	200.5	199.9	158.6	40.3	47.4	25.2	62.1	159.1	1.7
Egypt	456.6	200.9	944.5	1,007.1	313.3	599.1	619.5	1,115.0	949.3	6.0
El Salvador	4.1	2.0	16.7	28.1	77.0	114.3	108.3	78.6	95.0	1.0
France	376.6	11.9	15.5	14.1	45.3	45.1	142.7	99.9	39.0	.4
Greece	1,327.6	128.7	130.9	156.6	104.7	114.9	73.4	79.2	129.9	1.4
Indonesia	144.9	60.7	14.6	28.9	15.7	17.9	12.8	24.1	34.0	.4
Israel	6,183.8	997.8	836.2	259.0	214.5	482.6	194.5	1,346.6	766.6	8.3
Italy	751.0	26.3	24.7	28.3	54.0	54.9	65.7	77.2	63.0	.7
Japan	541.9	303.8	330.1	385.5	333.3	389.7	151.0	274.2	221.7	2.4
Jordan	731.8	110.0	123.1	259.9	77.0	122.6	62.7	54.7	60.1	.7
Kuwait	518.4	64.7	85.8	72.2	48.7	34.0	71.5	66.0	52.0	.6
Morocco	357.0	123.8	55.8	50.1	68.6	49.4	37.1	43.1	74.5	.8
Netherlands	708.1	310.0	450.1	516.6	402.0	339.4	283.9	426.6	318.8	3.5
Norway	584.6	208.0	249.3	251.0	191.4	30.0	43.2	77.0	119.1	1.3
Pakistan	322.8	77.7	145.3	255.6	446.3	350.9	131.5	133.9	140.2	1.5
Philippines	138.8	15.7	21.7	10.6	13.8	16.0	37.3	32.0	70.9	.4
Portugal	15.5	4.4	9.3	12.5	25.5	97.5	26.5	26.8	36.2	.4
Saudi Arabia	11,188.2	2,921.4	3,845.9	5,952.6	3,403.2	2,270.2	2,788.0	3,480.2	1,375.4	15.0
Singapore	148.4	47.3	23.4	83.4	32.8	22.0	134.9	144.0	221.1	2.4
South Korea	1,537.6	294.2	213.7	297.3	258.0	257.9	386.4	393.3	370.1	4.0
Spain	375.9	123.5	91.2	68.1	66.0	92.8	236.0	743.1	696.8	7.6
Sudan	61.7	21.9	71.3	12.3	23.9	25.2	27.5	26.7	24.7	.3
Thailand	469.4	251.7	140.3	160.1	161.7	118.4	116.6	95.5	327.1	3.6
Tunisia	60.3	23.9	11.9	24.7	84.7	154.8	25.9	44.3	27.6	.3
Turkey	684.6	106.3	187.6	150.2	306.0	389.5	284.5	293.9	534.4	5.8
United Kingdom	2,450.8	332.6	329.5	477.7	446.7	386.4	383.8	200.6	190.9	2.1
Venezuela	231.5	13.8	19.0	32.8	129.2	196.3	73.0	50.0	31.5	.3
West Germany	6,296.5	429.2	418.5	322.6	336.1	222.2	206.0	328.6	326.5	3.6

¹ Includes transactions for the transition quarter, July-September 1976. ² Includes countries not shown.

Source: U.S. Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales, and Military Assistance Facts*, annual.

NO. 549. SUMMARY OF MAJOR U.S. MILITARY FORCES: 1980 TO 1988

[As of September 30]

CATEGORY	1980	1981	1982	1983	1984	1985	1986	1987	1988
Strategic forces:									
Land-based ICBMs	1,054	1,053	1,053	1,042	1,037	1,028	1,013	1,005	1,000
Sea-launched BMs	576	600	592	586	640	648	640	640	674
Strategic bombers	413	410	410	356	328	328	347	389	423
Strategic interceptors	292	279	261	261	266	264	264	252	252
General purpose forces (active):									
Army Divisions	16	16	16	16	16	17	18	18	18
Marine Corps Divisions	3	3	3	3	3	3	3	3	3
Air Force Tactical Aircraft	3,813	3,991	4,133	4,303	4,352	4,406	4,461	4,396	4,470
Navy/Marine Corps Tactical Aircraft	2,013	2,029	1,968	1,929	1,905	1,970	1,974	1,982	1,862
Naval forces:									
Aircraft carriers	13	12	13	13	13	13	13	14	14
Battleships	-	-	-	1	2	2	3	3	3
Nuclear attack submarines	74	82	91	93	94	96	97	98	96
Other warships	180	188	197	191	197	204	204	206	195
Amphibious assaults ¹	63	59	59	61	59	60	60	61	62
Airlift and sealift forces:									
C-5 aircraft	70	70	70	70	70	70	75	84	102
Other Air Force aircraft	820	808	795	782	769	787	789	789	781
Navy and Marine Corps Tactical Support Aircraft	88	88	88	88	88	88	88	87	87
Ships	164	173	183	192	202	214	220	221	209

- Represents zero. ¹ Excludes reserve forces' amphibious ships.

Source: The Congress of the United States, Congressional Budget Office, *An Analysis of the President's Budgetary Proposals for Fiscal Year 1989*. Data from Dept. of Defense.

NO. 550. ACTIVE DUTY MILITARY PERSONNEL—U.S./SOVIET UNION SUMMARY: 1980 TO 1988

(In thousands)

ITEM	1980	1981	1982	1983	1984	1985	1986	1987	1988	Net change, 1980-1988
Strategic nuclear services:										
United States ¹	140	137	140	139	139	134	130	98	93	-47
Soviet Union ²	901	912	775	773	773	773	805	811	800	-101
Tactical/mobility services:										
United States.....	1,910	1,944	1,969	2,030	2,046	2,061	2,072	2,067	2,040	130
Army.....	776	781	780	779	781	778	775	775	772	-4
Navy.....	506	521	534	538	545	554	561	566	571	65
Air Force.....	440	452	463	518	523	531	537	526	500	60
Marine Corps.....	188	190	192	195	197	198	199	200	197	9
Soviet Union.....	3,289	3,738	3,703	3,805	3,905	3,953	3,963	3,676	3,598	309
Ground Forces ³	2,450	2,882	2,840	2,930	3,020	3,020	3,030	2,800	2,725	275
Navy.....	407	416	418	429	438	483	483	440	445	38
Air Force ⁴	420	425	431	431	433	454	454	420	410	-10
Naval Infantry.....	12	13	14	15	16	16	16	16	18	6

¹ Changes between 1986 and 1987 reflect changes in counting rules, not actual reductions. ² Sudden decreases in 1982 resulted from the Soviet reorganization of its former long-range aviation and air defense forces. ³ Increases in 1981 resulted from reevaluation and Soviet operations in Afghanistan. Decrease in 1987 was a result of reassessment. ⁴ Reduction in 1987 was due to reassessment.

NO. 551. INTERCONTINENTAL BALLISTIC MISSILES (ICBMs), SUBMARINES, AND BOMBERS—U.S. AND SOVIET UNION BALANCE: 1980 TO 1988

WEAPONS SYSTEM	1980	1981	1982	1983	1984	1985	1986	1987	1988	NET CHANGE	
										1980-1988	1987-1988
ICBMs:											
United States ¹	1,052	1,052	1,049	1,040	1,030	1,017	999	996	1,000	-52	4
Minuteman I.....	450	450	450	450	450	450	450	450	450	-	-
Minuteman II.....	550	550	550	550	550	550	534	514	500	-50	-14
Peacekeeper (MX).....	-	-	-	-	-	-	10	32	50	50	18
Soviet Union.....	1,398	1,398	1,398	1,398	1,398	1,398	1,418	1,389	1,348	-50	-41
SS-11.....	640	580	550	520	520	448	440	420	400	-240	-20
SS-13.....	80	60	60	60	60	60	60	60	60	-	-
SS-17.....	150	150	150	150	150	150	145	125	125	-25	-20
SS-18.....	308	308	308	308	308	308	308	308	296	-12	-12
SS-19.....	240	300	330	360	360	360	360	350	330	90	-20
SS-24.....	-	-	-	-	-	-	-	6	12	12	6
SS-25.....	-	-	-	-	-	72	100	100	125	125	25
Warheads:											
United States.....	2,152	2,152	2,149	2,140	2,130	2,117	2,157	2,312	2,450	298	138
Soviet Union.....	5,002	5,302	5,662	6,420	6,420	6,420	6,440	6,400	6,265	1,263	-135
Submarine systems:											
SLBMs: ²											
United States.....	576	512	520	568	592	600	640	640	608	32	-32
Trident I.....	80	112	200	284	288	312	384	384	384	304	-
Poseidon.....	416	364	320	304	304	288	256	256	224	-192	-32
Polaris A-3.....	80	16	-	-	-	-	-	-	-	-80	-
Soviet Union.....	985	985	969	961	946	931	967	969	966	-19	-3
SS-N-5.....	57	57	57	45	42	39	39	27	24	-33	-3
SS-N-6.....	464	416	384	368	336	304	272	256	240	-224	-16
SS-N-6.....	292	292	292	292	292	292	292	286	286	-6	-
SS-N-17.....	12	12	12	12	12	12	12	12	12	-	-
SS-N-18.....	160	208	224	224	224	224	224	224	224	64	-
SS-N-20.....	-	-	-	20	40	60	80	100	100	100	-
SS-N-23.....	-	-	-	-	-	-	48	64	80	80	16
Warheads:											
United States.....	4,880	4,752	4,800	5,152	5,344	5,376	5,632	5,632	5,312	492	-320
Soviet Union.....	1,625	1,817	1,865	1,957	2,122	2,307	2,685	2,941	3,082	1,457	141
Bombers:											
United States.....	376	376	355	297	297	297	312	363	372	-4	9
B-1B.....	-	-	-	-	-	-	26	81	90	90	9
B-52D.....	75	75	58	-	-	-	-	-	-	-75	-
B-52G.....	151	151	151	151	151	151	150	150	150	-1	-
B-52H.....	90	90	90	90	90	90	84	84	84	-6	-
FB-111.....	60	60	56	56	56	52	48	48	48	-12	-
Soviet Union.....	220	235	245	260	300	325	325	326	350	130	24
M-4 Bison.....	45	45	45	45	45	30	15	1	-	-45	-1
Tu-95 BEAR.....	100	100	100	100	100	100	100	100	100	-	-
Tu-95 BEAR-H.....	-	-	-	-	25	50	50	60	75	75	15
Tu-22M Backfire.....	75	90	100	115	130	145	160	165	175	100	10

- Represents zero. ¹ Includes weapons not shown separately. ² Submarine-launched ballistic missile.

Source of tables 550 and 551: The Congress of the United States, Library of Congress, Congressional Research Service, *U.S./Soviet Military Balance, Statistical Trends, 1960-1988*, June 1989.

No. 552. DEPARTMENT OF DEFENSE MANPOWER: 1950 TO 1988

[In thousands, except as indicated. For fiscal year ending in year shown]

YEAR	Total DOD man-power ¹	Civilian employ-ees	ACTIVE DUTY MILITARY						MILITARY RETIREES	
			Personnel					Payroll total (bil. dol.)	Number (1,000)	Pension pay-ments (bil. dol.)
			Total mili-tary ²	Army	Navy ³	Marine Corps	Air Force			
1950.....	2,213	753	1,460	593	381	74	411	(NA)	132	(NA)
1955.....	4,122	1,187	2,935	1,109	661	205	960	(NA)	180	(NA)
1960.....	3,524	1,047	2,476	873	618	171	815	(NA)	256	(NA)
1961.....	3,526	1,042	2,484	859	627	177	821	(NA)	293	(NA)
1962.....	3,877	1,070	2,808	1,066	666	191	884	(NA)	329	(NA)
1963.....	3,749	1,050	2,700	976	665	190	869	(NA)	382	(NA)
1964.....	3,717	1,030	2,687	973	668	190	857	(NA)	432	(NA)
1965.....	3,689	1,034	2,655	969	671	190	825	(NA)	481	(NA)
1966.....	4,232	1,138	3,094	1,200	745	282	867	(NA)	530	(NA)
1967.....	4,679	1,303	3,377	1,442	752	285	897	(NA)	590	(NA)
1968.....	4,865	1,317	3,548	1,570	765	307	905	(NA)	651	2.0
1969.....	4,802	1,342	3,460	1,512	776	310	862	(NA)	714	2.2
1970.....	4,260	1,194	3,066	1,323	693	260	791	(NA)	773	2.5
1971.....	3,842	1,127	2,715	1,124	823	212	755	(NA)	831	3.1
1972.....	3,406	1,083	2,323	811	588	188	726	(NA)	890	3.6
1973.....	3,284	1,031	2,253	801	565	196	691	(NA)	948	4.1
1974.....	3,293	1,070	2,163	783	547	189	644	(NA)	1,012	4.9
1975.....	3,171	1,042	2,129	784	536	196	613	(NA)	1,073	6.1
1976.....	3,093	1,010	2,083	779	525	192	585	(NA)	1,132	7.3
1977.....	3,057	982	2,075	782	531	192	571	(NA)	1,200	8.2
1978.....	3,043	980	2,062	772	530	191	570	(NA)	1,243	9.0
1979.....	2,988	960	2,027	759	524	185	559	(NA)	1,286	10.3
1980.....	3,012	960	2,052	777	528	188	558	(NA)	1,330	11.9
1981.....	3,068	984	2,084	781	541	191	570	(NA)	1,363	13.7
1982.....	3,100	990	2,110	780	555	192	583	(NA)	1,391	14.9
1983.....	3,151	1,026	2,124	780	559	194	592	(NA)	1,419	15.9
1984.....	3,213	1,073	2,140	780	566	196	597	(NA)	1,449	16.4
1985.....	3,267	1,116	2,151	781	571	198	602	(NA)	1,480	17.0
1986.....	3,269	1,100	2,169	781	581	199	608	41.6	1,570	17.8
1987.....	3,264	1,090	2,174	781	587	200	607	44.2	1,535	18.9
1988.....	3,188	1,050	2,138	772	593	197	576	45.2	1,567	19.1

NA Not available. ¹ Includes civil service employees. ² Beginning 1980, excludes Navy Reserve personnel on active duty for Training and Administration of Reserves (TARS). From 1969, includes the Full-Time Guard and Reserve. ³ Prior to 1980, includes Navy Reserve personnel on active duty for Training and Administration of Reserves (TARS).

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual, and DOD Statistical Report on Military Retirement System for FY 1988.

No. 553. MILITARY PERSONNEL ON ACTIVE DUTY, BY SERVICE: 1975 TO 1988

[In thousands. As of end of fiscal year; see text, section 9. Includes National Guard, Reserve, and retired regular personnel on extended or continuous active duty. Excludes Coast Guard. Military cadets, Naval Academy midshipmen, Air Force Academy cadets, and other officer candidates are included under enlisted personnel. See also *Historical Statistics, Colonial Times to 1970*, series Y 904-916]

BRANCH OF SERVICE	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total	2,129	2,075	2,062	2,027	2,052	2,084	2,110	2,124	2,140	2,151	2,169	2,174	2,138
Percent officers.....	13.8	13.3	13.3	13.5	13.5	13.6	13.8	14.1	14.2	14.4	14.3	14.1	14.2
Army.....	784	782	772	759	777	781	780	780	780	781	781	781	772
Officers.....	103	98	98	97	99	102	103	106	108	110	110	108	107
Enlisted.....	678	680	670	657	674	675	673	669	668	667	667	668	660
Navy.....	535	530	530	523	527	540	553	558	556	571	581	587	593
Officers.....	66	63	63	62	63	65	67	68	69	71	72	72	72
Enlisted.....	466	462	463	457	460	470	481	485	491	495	504	510	514
Marine Corps.....	196	192	191	185	188	191	192	194	196	198	199	200	197
Officers.....	19	19	18	18	18	18	19	20	20	20	20	20	20
Enlisted.....	177	173	172	167	170	172	173	174	176	178	179	179	177
Air Force.....	613	571	570	559	558	570	583	592	597	602	608	607	576
Officers.....	105	96	95	96	98	99	102	105	106	108	109	107	105
Enlisted.....	503	470	470	459	456	467	476	483	486	489	495	495	467

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual.

NO. 554. MILITARY PERSONNEL ON ACTIVE DUTY, BY LOCATION: 1970 TO 1988

[In thousands. 1970 and 1975 as of Dec. 31; thereafter, as of end of fiscal year; see text, section 9]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total	2,874	2,084	2,051	2,083	2,109	2,123	2,138	2,151	2,169	2,174	2,138
Shore-based ¹	2,827	1,884	1,840	1,869	1,880	1,889	1,908	1,920	1,929	1,928	1,891
Afloat ²	247	200	211	214	229	234	230	251	240	246	248
United States ³	1,987	1,830	1,562	1,581	1,580	1,604	1,628	1,636	1,844	1,850	1,598
Foreign countries.....	887	455	488	502	528	519	510	516	526	524	541

¹ Includes Navy personnel temporarily on shore. ² Includes Marine Corps. ³ Includes outlying areas.Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual; and unpublished data.

NO. 555. COAST GUARD PERSONNEL ON ACTIVE DUTY: 1970 TO 1988

[As of end of fiscal year; see text, section 9]

YEAR	Total	Officers	Cadets	Enlisted	YEAR	Total	Officers	Cadets	Enlisted
1970.....	37,689	5,512	653	31,524	1983.....	39,708	6,535	811	32,362
1975.....	36,788	5,630	1,177	29,981	1984.....	38,705	6,790	759	31,156
1979.....	38,559	6,340	806	31,413	1985.....	38,595	6,775	733	31,087
1980.....	39,381	6,463	877	32,041	1986.....	37,284	6,577	754	29,953
1981.....	39,760	6,519	981	32,260	1987.....	38,576	6,644	859	31,073
1982.....	38,248	6,431	902	30,915	1988.....	37,723	6,530	887	30,306

Source: U.S. Dept. of Transportation, *Annual Report of the Secretary of Transportation*.

NO. 556. VIETNAM CONFLICT—U.S. MILITARY FORCES IN VIETNAM, AND CASUALTIES: 1957 TO 1989

[Military forces as of Dec. 31. All U.S. forces withdrawn by Jan. 27, 1973]

ITEM	Unit	1957-1989, total	1957-1964	1965	1966	1967	1968	1969	1970	1971	1972	1973-1989
Military forces	1,000.....	(x)	¹ 23.3	184.3	385.3	485.6	536.1	475.2	234.6	156.8	24.2	-
Battle deaths ²	Number.....	47,355	279	1,432	5,047	9,463	14,623	9,426	4,230	1,376	361	1,118
Killed.....	Number.....	38,498	197	1,124	4,142	7,525	12,624	8,117	3,486	1,082	205	-
Died of wounds.....	Number.....	5,210	10	111	579	979	1,598	1,168	555	160	28	22
Died while missing ³	Number.....	3,647	72	197	326	959	401	141	189	134	128	1,068

- Represents zero. X Not applicable. ¹ For 1964 only. ² Casualties from enemy action. Deaths exclude 10,796 servicemen who died in accidents or from disease. ³ Includes servicemen who died while captured.

Source: National Archives and Records Administration, unpublished data from Combat Area Casualties database.

NO. 557. ARMED FORCES PERSONNEL—SUMMARY OF MAJOR CONFLICTS

[For Revolutionary War, number of personnel serving not known, but estimates range from 184,000 to 250,000; for War of 1812, 286,730 served; for Mexican War, 78,718 served. Dates of the major conflicts may differ from those specified in various laws providing benefits for veterans. See table 556 for data on Vietnam conflict. See also *Historical Statistics, Colonial Times to 1970*, series Y 856-903]

ITEM	Unit	Civil War ¹	Spanish-American War	World War I	World War II	Korean conflict	Vietnam conflict
Personnel serving ²	1,000.....	2,213	307	4,735	³ 16,113	⁴ 5,720	⁵ 8,744
Average duration of service.....	Months.....	20	8	12	33	19	23
Service abroad: Personnel serving.....	Percent.....	(NA)	⁶ 29	53	73	(NA)	(NA)
Average duration ⁷	Months.....	(NA)	1.5	5.5	16.2	13.4	(NA)
Casualties: ⁸ Battle deaths ⁹	1,000.....	140	(2)	53	292	34	¹⁰ 47
Wounds not mortal ⁹	1,000.....	282	2	204	671	103	¹⁰ 153
Draftees: Classified.....	1,000.....	777	(x)	24,224	36,677	9,123	⁶ 75,717
Examined.....	1,000.....	522	(x)	3,784	17,955	3,695	⁶ 8,611
Rejected.....	1,000.....	160	(x)	803	6,420	1,189	⁶ 3,880
Inducted.....	1,000.....	46	(x)	2,820	10,022	1,560	⁶ 1,759

NA Not available. X Not applicable. Z Fewer than 500. ¹ Union forces only. Estimates of the number serving in Confederate forces range from 600,000 to 1.5 million. ² Source: U.S. Department of Defense, *Selected Manpower Statistics, FY 1988*, annual. ³ Covers Dec. 1, 1941, to Dec. 31, 1946. ⁴ Covers June 25, 1950, to July 27, 1953. ⁵ Covers Aug. 4, 1964, to Jan. 27, 1973. ⁶ Army and Marines only. ⁷ Excludes Navy. Covers July 1950 through Jan. 1956. Far East area only. ⁸ During hostilities only. ⁹ For periods covered, see footnotes 3, 4, and 5. ¹⁰ Covers Jan. 1, 1961, to Jan. 27, 1973.Source: Except as noted, the President's Commission on Veterans' Pensions, *Veterans' Benefits in the United States*, vol. 1, 1956; and U.S. Dept. of Defense, unpublished data.

NO. 558. ENLISTED MILITARY PERSONNEL ACCESSIONS: 1980 TO 1988

[In thousands. For years ending Sept. 30]

BRANCH OF SERVICE	1980	1985	1987	1988	BRANCH OF SERVICE	1980	1985	1987	1988
First enlistments.....	356	287	280	256	First enlistments.....	75	67	66	73
Reenlistments.....	204	216	225	250	Reenlistments.....	36	50	51	52
Reserves to active duty.....	22	26	29	26	Marine Corps	68	54	53	51
Army	265	200	211	210	First enlistments.....	42	36	35	35
First enlistments.....	163	117	122	105	Reenlistments.....	15	19	18	16
Reenlistments.....	97	84	89	105	Air Force	132	132	124	120
					First enlistments.....	76	68	56	42
					Reenlistments.....	56	64	68	78

Source: U.S. Dept. of Defense, *Selected Manpower Statistics*, annual.

NO. 559. RESERVE OFFICERS TRAINING CORPS (ROTC)—ENROLLMENT: 1970 TO 1988

[In thousands. For May, or end of school year. Junior ROTC refers to enrollment in high schools, academies, junior colleges, and National Defense Cadet Corps schools; includes Junior ROTC in all service branches. Senior ROTC refers to enrollment in colleges, universities, 2-year colleges, and essential military colleges; includes Senior ROTC in all service branches]

ITEM	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Senior ROTC.....	123	61	66	76	80	84	91	100	103	99	111	99	93	98	97
Junior ROTC.....	126	164	158	152	156	144	166	158	191	176	212	216	218	212	203

Source: U.S. Dept. of Defense, unpublished data.

NO. 560. MILITARY PERSONNEL ON ACTIVE DUTY AND MONTHLY BASIC PAY: 1985 TO 1989

[Personnel as of Sept. 30; basic pay as of January, except as noted]

RANK/GRADE	PERSONNEL (1,000)				MONTHLY BASIC PAY (dollars)				
	1985	1986	1987	1988	1985	1986 ¹	1987	1988	1989
Total ²	2,151.0	2,169.1	2,174.2	2,138.2	(x)	(x)	(x)	(x)	(x)
Recruit—E-1.....	127.6	132.6	110.3	119.4	620	639	658	671	699
Private—E-2.....	140.6	148.7	160.3	145.1	695	716	738	753	784
Pvt. 1st class—E-3.....	336.3	328.6	337.2	304.7	723	745	767	782	814
Corporal—E-4.....	444.4	443.9	447.2	458.9	810	835	860	877	913
Sergeant—E-5.....	356.2	361.1	363.0	360.9	980	1,009	1,040	1,060	1,104
Staff Sgt.—E-6.....	237.8	241.6	244.6	243.4	1,300	1,339	1,379	1,407	1,465
Sgt. 1st class—E-7.....	131.9	133.4	135.5	133.6	1,584	1,631	1,680	1,714	1,784
Master Sgt.—E-8.....	38.5	39.0	39.6	38.6	1,818	1,873	1,929	1,968	2,048
Sgt. Major—E-9.....	15.1	15.5	15.5	15.3	2,184	2,249	2,317	2,363	2,460
Warrant Officer—W-1.....	2.4	2.2	2.1	2.7	1,495	1,540	1,586	1,618	1,685
Chief Warrant—W-4.....	3.2	3.3	3.4	3.2	2,732	2,814	2,898	2,956	3,077
2d Lt.—O-1.....	39.7	39.2	34.5	32.5	1,189	1,224	1,261	1,286	1,339
1st Lt.—O-2.....	42.7	44.4	45.1	45.1	1,495	1,540	1,586	1,618	1,685
Captain—O-3.....	104.4	104.7	105.9	105.9	2,176	2,241	2,308	2,354	2,451
Major—O-4.....	53.3	54.4	53.7	53.2	2,754	2,836	2,921	2,980	3,102
Lt. Colonel—O-5.....	32.8	32.7	33.0	32.9	3,413	3,516	3,621	3,694	3,845
Colonel—O-6.....	14.7	14.6	14.6	14.4	4,330	4,460	4,593	4,685	4,877
Brig. General—O-7.....	.5	.5	.5	.5	5,928	5,075	5,228	5,393	5,551
Major General—O-8.....	.4	.4	.4	.4	5,867	³ 5,725	³ 5,900	³ 6,042	³ 6,290
Lt. General—O-9.....	.1	.1	.1	.1	³ 5,725	³ 5,725	³ 5,900	³ 6,042	³ 6,292
General—O-10.....	(z)	(z)	(z)	(z)	³ 5,725	³ 5,725	³ 5,900	³ 6,042	³ 6,292

X Not applicable. Z Less than 50. ¹ As of October 1985. ² Includes cadets and midshipmen and warrant officers, W-2 and W-3. ³ Statutory limitation.

Source: U.S. Dept. of Defense, Office of the Comptroller, *Selected Manpower Statistics*, annual, and unpublished data.

NO. 561. DISCHARGES, DESERTION AND ABSENT-WITHOUT-AUTHORITY RATES FOR MILITARY PERSONNEL: 1970 TO 1988

[For fiscal year ending in year shown; see text, section 9. Rate per 1,000 average end-of-month strength]

YEAR	Total discharges	Honorable ^{1 2}	General ^{1 3}	Other than honorable ^{1 4}	Bad conduct ^{5 6}	Dis-honorable ^{6 7}	De-sertion rate ⁸	Absent-without-authority rate ⁹
1970	1,136,140	1,081,556	29,334	20,911	3,964	375	33.6	86.3
1975	682,952	603,058	48,999	27,015	3,587	293	26.3	86.6
1980	541,558	499,950	23,541	15,553	2,242	272	17.9	46.8
1982	523,014	466,666	33,294	18,071	4,653	330	10.9	34.3
1983	¹⁰ 531,398	447,511	35,582	23,176	5,757	138	6.7	22.4
1984	¹⁰ 517,897	423,660	32,194	24,883	5,617	268	6.5	20.8
1985	¹⁰ 505,640	426,244	27,639	20,627	5,235	293	6.3	17.1
1986	¹⁰ 512,462	426,931	26,581	21,790	6,040	726	6.2	16.8
1987	¹⁰ 508,135	430,530	22,808	20,083	6,136	781	6.1	16.2
1988	¹⁰ 550,806	477,655	22,260	19,266	6,544	821	5.7	14.3

¹ Administrative discharge. ² Based on proper military behavior and proficient performance of duty; honest and faithful service. ³ Discharge under honorable conditions; satisfactory service; military record not sufficiently meritorious for honorable discharge. ⁴ Unsatisfactory service (misconduct, security or resignation/request for discharge). ⁵ Punitive, resulting from trial by court-martial. ⁶ Usually punishment for repeated convictions of minor offenses or less serious felony type offenses. ⁷ Awarded after conviction of serious offenses usually recognized by civil law as felonies, or of military offenses requiring severe punishment. ⁸ Absent without authority more than 30 days. ⁹ For 30 days or less. ¹⁰ Includes uncharacterized and unknown discharges, not shown separately.

Source: U.S. Dept. of Defense, unpublished data.

NO. 562. MILITARY RESERVE PERSONNEL: 1970 TO 1988

[In thousands. As of end of fiscal year; see text, section 9. Excludes U.S. Coast Guard Reserve. The ready reserve includes selected reservists who are intended to assist active forces in a war and the individual ready reserve who, in a major war, would be used to fill out active and reserve units and later would be a source of combat replacements; a portion of the ready reserve serves in an active status. The standby reserve cannot be called to active duty unless the Congress gives its explicit approval. The retired reserve represents a low potential for mobilization]

RESERVE STATUS AND BRANCH OF SERVICE	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total reserves	3,639	2,656	2,118	2,109	2,169	2,267	2,250	2,295	2,310	2,370	2,434	2,455	2,538
Ready reserve	2,574	1,529	1,144	1,203	1,283	1,317	1,359	1,419	1,491	1,566	1,613	1,620	1,642
Standby reserve	492	412	183	103	86	65	52	44	44	44	41	38	34
Retired reserve	573	715	791	803	821	885	839	832	775	760	780	798	862
Army	2,221	1,631	1,178	1,173	1,218	1,337	1,360	1,408	1,428	1,481	1,508	1,509	1,525
Navy	808	521	435	427	438	436	415	423	425	431	464	471	525
Air Force	610	504	506	509	514	494	476	463	457	459	462	475	488

Source: U.S. Dept. of Defense, *Official Guard and Reserve Manpower Strengths and Statistics*, quarterly.

NO. 563. MILITARY RESERVE COSTS: 1970 TO 1988

[In millions of dollars. As of end of fiscal year; see text, section 9. Army and Air Force data include National Guard]

TYPE OF COST	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total	2,547	4,789	7,877	9,870	10,370	12,073	15,544	19,439	19,631	18,961	19,240
Operations and maintenance	994	2,092	3,526	4,164	4,716	5,137	5,128	5,734	5,770	6,188	6,670
Personnel	1,083	1,679	2,359	3,012	3,776	4,833	3,757	7,704	8,500	8,382	8,837
Procurement	187	518	1,463	1,955	1,008	1,627	5,923	5,003	4,383	3,322	2,533
Active-duty support	234	324	408	506	556	388	433	591	607	609	616
Construction	49	176	122	293	314	291	303	408	371	480	584

Source: U.S. Dept. of Defense, unpublished data.

NO. 564. NATIONAL GUARD—SUMMARY: 1970 TO 1988

[As of end of fiscal year; see text, section 9. Includes Puerto Rico]

ITEM	Unit	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Army National Guard: Units	Number	3,052	3,245	3,379	3,482	3,429	4,351	4,353	5,712	6,125	5,982
Personnel ¹	1,000	410	403	358	409	418	434	438	446	452	455
Funds obligated ²	Mil. dol.	752	1,322	1,802	2,708	2,980	3,093	4,387	4,825	4,955	5,258
Value of equipment	Mil. dol.	1,600	4,100	7,600	8,600	13,100	14,300	18,800	19,700	22,300	24,900
Air National Guard: Units	Number	958	1,106	1,054	1,060	1,185	1,202	1,184	1,229	1,281	1,272
Personnel ¹	1,000	90	95	96	101	102	105	109	113	115	115
Funds obligated ³	Mil. dol.	467	890	1,678	2,268	2,478	2,488	2,813	2,809	2,886	3,097
Value of equipment (est.) ³	Mil. dol.	(NA)	3,100	5,200	5,900	6,300	17,500	21,400	26,100	23,668	27,039

NA Not available. ¹ Officers and enlisted men. ² Federal funds; includes personnel, operations, maintenance, and military construction. ³ Beginning 1984, increase due to repricing of aircraft to current year dollars to reflect true replacement value.

Source: National Guard Bureau, *Annual Review of the Chief, National Guard Bureau*, and unpublished data.

No. 565. LIVING VETERANS—STATES AND OTHER AREAS: 1970 TO 1988

Estimates in thousands. As of end of fiscal year; see text, section 9. Data were estimated starting with veteran's place of residence as of April 1, 1980, based on 1980 Census of Population data, extended to later years on the basis of estimates of veteran interstate migration, separations from the Armed Forces, and mortality; not directly comparable with earlier estimates previously published by the VA. Excludes 423,000 veterans whose only active-duty military service occurred since September 8, 1980, and who failed to satisfy the minimum service requirement. Also excludes a small indeterminate number of National Guard personnel or reservists who incurred service-connected disabilities while on an initial tour of active duty for training only

YEAR AND STATE OR OTHER AREA	Total veterans ¹	WAR VETERANS						Service between Korea and Vietnam only	Post-Vietnam era ⁵	
		Total ¹	World War I	World War II ^{2,3}	Korean conflict		Vietnam era			
					Total ^{2,3,4}	No prior wartime service ⁴	Total ^{3,4}			No prior wartime service
1970.....	26,976	23,160	1,425	13,887	5,440	4,167	4,100	3,681	3,173	(x)
1980.....	28,840	23,965	461	11,720	5,434	4,331	8,118	7,453	3,086	1,120
1981.....	28,563	23,716	404	11,491	5,393	4,308	8,175	7,513	3,076	1,320
1982.....	28,399	23,421	348	11,241	5,346	4,280	8,210	7,551	3,064	1,479
1983.....	28,202	23,109	297	10,978	5,294	4,249	8,238	7,584	3,051	1,623
1984.....	28,027	22,782	250	10,700	5,237	4,215	8,263	7,616	3,037	1,803
1985.....	27,732	22,274	206	10,346	5,135	4,143	8,215	7,578	3,009	2,058
1986.....	27,582	22,017	171	10,076	5,105	4,134	8,264	7,636	3,004	2,293
1987.....	27,489	21,646	140	9,765	5,034	4,089	8,270	7,652	2,987	2,473
1988, total.....	27,279	21,268	114	9,444	4,960	4,041	8,277	7,669	2,967	2,695
United States.....	27,155	21,175	113	9,415	4,925	4,010	8,242	7,636	2,956	2,677
Alabama.....	402	314	2	137	83	66	122	109	43	39
Alaska.....	73	57	(2)	14	11	10	35	33	9	6
Arizona.....	411	325	2	153	75	55	130	115	39	43
Arkansas.....	266	205	1	96	47	36	61	72	28	29
California.....	2,811	2,238	12	983	564	423	903	820	307	226
Colorado.....	397	310	1	111	74	58	155	139	44	40
Connecticut.....	388	307	2	144	73	61	104	100	46	30
Delaware.....	77	60	(2)	27	14	11	23	21	8	9
District of Columbia.....	57	44	(2)	21	12	9	15	14	5	6
Florida.....	1,492	1,204	9	651	284	197	410	347	127	135
Georgia.....	652	496	2	193	120	93	233	208	69	78
Hawaii.....	101	79	(2)	32	20	15	37	32	11	10
Idaho.....	116	90	(2)	37	20	16	39	37	13	12
Illinois.....	1,233	958	5	431	214	189	342	333	145	115
Indiana.....	640	477	3	197	108	96	188	182	75	81
Iowa.....	332	258	2	105	57	52	102	99	35	35
Kansas.....	283	226	2	99	51	42	89	83	30	24
Kentucky.....	363	284	2	123	66	56	109	102	40	34
Louisiana.....	429	331	1	143	75	60	137	127	46	45
Maine.....	154	120	1	52	28	23	47	44	16	17
Maryland.....	525	406	2	176	103	80	163	148	59	53
Massachusetts.....	676	534	4	265	123	102	171	163	75	60
Michigan.....	1,007	756	4	309	164	148	303	296	115	125
Minnesota.....	489	378	3	149	84	75	156	152	59	48
Mississippi.....	232	180	1	85	45	36	66	58	24	24
Missouri.....	629	489	3	214	116	97	187	176	68	65
Montana.....	106	83	1	33	17	15	36	35	12	10
Nebraska.....	185	144	1	60	35	30	57	53	21	18
Nevada.....	138	108	(2)	45	29	22	48	42	17	12
New Hampshire.....	141	109	1	45	25	21	47	43	16	15
New Jersey.....	875	691	4	344	161	139	214	204	103	69
New Mexico.....	173	135	1	56	31	24	60	54	16	20
New York.....	1,829	1,423	8	701	316	282	442	431	203	177
North Carolina.....	684	534	2	241	126	104	208	187	89	71
North Dakota.....	72	55	(2)	20	12	11	24	23	9	8
Ohio.....	1,285	980	5	438	212	177	352	350	142	149
Oklahoma.....	401	319	2	133	57	45	139	128	41	35
Oregon.....	345	271	2	113	56	45	117	111	38	32
Pennsylvania.....	1,508	1,182	6	579	258	222	389	375	170	138
Rhode Island.....	118	95	1	47	22	18	32	30	11	10
South Carolina.....	352	273	1	117	68	52	118	102	36	37
South Dakota.....	78	61	1	25	15	14	23	21	9	9
Tennessee.....	522	403	2	171	91	76	167	154	56	56
Texas.....	1,791	1,393	6	558	319	248	641	581	191	184
Utah.....	154	122	1	49	27	22	53	50	17	13
Vermont.....	63	47	(2)	19	11	9	20	19	7	8
Virginia.....	668	516	2	222	142	102	225	189	71	72
Washington.....	588	462	2	182	111	82	217	195	65	54
West Virginia.....	222	173	1	80	37	32	65	61	23	23
Wisconsin.....	561	423	3	174	91	81	170	165	71	62
Wyoming.....	59	46	(2)	16	10	8	23	22	7	5
Puerto Rico.....	124	93	(2)	29	34	31	35	33	11	18

² Fewer than 500. ³ Includes peacetime veterans not shown separately, who served only between World War I and World War II, and those who served only between World War II and the Korean conflict. Veterans who served in more than one wartime period are counted only once. Includes Vietnam era (no prior wartime service), Korean conflict (no prior wartime service), World War II, and World War I. ⁴ Includes 289,000 who served in the Vietnam era, Korean conflict, and World War II. ⁵ Includes 649,000 who served in both World War II and the Korean conflict. ⁶ Includes 339,000 who served in both the Korean conflict and the Vietnam era. ⁷ Service only after May 7, 1975. ⁸ There is also 1 living Spanish-American War veteran and an estimated 65 living Mexican Border conflict veterans.

No. 566. VETERANS LIVING IN THE U.S. AND PUERTO RICO, BY AGE AND PERIOD OF SERVICE: 1988

(In thousands, except as indicated. As of Sept. 30. Estimated. Excludes 487,000 veterans whose only active duty military service occurred since Sept. 30, 1980. See headnote, table 565. See *Historical Statistics, Colonial Times to 1970*, series Y 943-956, for all veterans)

AGE	Total veterans	WARTIME VETERANS						PEACETIME VETERANS				
		Total ¹	Vietnam era		Korean conflict		World War II ²	World War I	Total	Post-Vietnam era ³	Service between Korean conflict and Vietnam era only	Other peacetime ⁴
			Total ^{2 3}	No prior wartime service	Total ^{2 3 4}	No prior wartime service ²						
All ages	7 27,279	21,268	8,277	7,689	4,960	4,041	9,444	114	6,011	2,695	2,967	348
Under 24 years old.....	309	-	-	-	-	-	-	-	309	309	-	-
25-29 years old.....	1,111	12	12	12	-	-	-	-	1,099	1,099	-	-
30-34 years old.....	1,641	690	690	690	-	-	-	-	951	951	-	-
35-39 years old.....	2,388	2,147	2,147	2,147	-	-	-	-	240	238	2	-
40-44 years old.....	3,448	3,252	3,252	3,252	-	-	-	-	196	51	145	-
45-49 years old.....	2,502	1,256	1,242	1,241	15	15	-	-	1,248	24	1,222	-
50-54 years old.....	2,582	1,199	970	256	943	943	-	-	1,393	15	1,357	21
55-59 years old.....	3,237	2,929	279	53	2,693	2,608	269	-	308	6	210	91
60-64 years old.....	3,619	3,547	147	13	797	421	3,113	-	72	(2)	19	53
65 years old and over.....	6,431	6,237	138	6	512	55	6,062	114	194	1	11	183
Median age ⁵	54.4	58.6	41.7	41.3	57.8	57.0	66.9	91.6	46.3	29.8	50.3	66.2

- Represents zero. Z Less than 500. ¹ Veterans who served in more than one wartime period are counted only once. Includes Vietnam era (no prior wartime service), Korean conflict (no prior wartime service), World War II, and World War I. ² Includes 339,000 who served in both the Korean conflict and the Vietnam era. ³ Includes 269,000 who served in the Vietnam era, Korean conflict, and World War II. ⁴ Includes 649,000 who served in both World War II and the Korean conflict. ⁵ Service only after May 7, 1975. ⁶ Includes those who served only between World War I and World War II, and those who served only between World War II and the Korean conflict. ⁷ There is also 1 living Spanish-American War veteran and an estimated 65 living Mexican Border conflict veterans. ⁸ Computed from data by single year of age.

Source: U.S. Dept. of Veterans Affairs, Office of Information Management and Statistics, *Veteran Population, September 30, 1988*, October 1988.

No. 567. DISABLED VETERANS RECEIVING COMPENSATION: 1970 TO 1988

(In thousands, except as indicated. As of end of fiscal year; see text, section 9. Represents veterans receiving compensation for service-connected disabilities. Totally disabled refers to veterans with any disability, mental or physical, deemed to be total and permanent which prevents the individual from maintaining a livelihood and are rated for disability at 100 percent)

MILITARY SERVICE	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Disabled, all periods ¹	2,092	2,220	2,274	2,275	2,263	2,251	2,240	2,225	2,212	2,199
Peace-time.....	185	194	262	302	319	335	352	367	382	398
World War I ¹	85	55	30	22	18	15	12	10	8	6
World War II.....	1,416	1,309	1,193	1,140	1,111	1,080	1,048	1,015	982	947
Korea.....	239	240	236	231	229	226	223	220	218	215
Vietnam.....	167	423	553	579	587	595	604	613	623	633
Totally disabled, all periods ¹	16	16	20	24	25	25	26	26	26	26
Peace-time.....	16	16	20	24	25	25	26	26	26	26
World War I ¹	11	6	3	2	2	1	1	1	1	1
World War II.....	63	58	51	57	58	58	54	51	49	47
Korea.....	16	16	16	18	17	17	17	16	16	16
Vietnam.....	18	26	31	37	37	38	38	39	40	41
Compensation (mil. dol.)	2,393	3,797	6,104	7,594	8,007	8,041	8,270	8,379	8,434	8,721

¹ Includes Spanish-American War and Mexican Border service, not shown separately.

Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs*, and unpublished data.

No. 568. VETERANS BENEFITS—EXPENDITURES, BY PROGRAM: 1970 TO 1988

(In millions of dollars. For fiscal years ending in year shown; see text, section 9. All data are on an accrued expenditure basis)

PROGRAM	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Total ¹	10,201	16,003	23,187	26,937	26,196	26,494	30,119	31,556	32,365	33,791
Compensation and pensions ²	5,330	7,551	11,257	13,348	13,881	13,942	14,234	14,399	14,399	14,880
Educational assistance and readjustment benefits.....	1,047	4,529	2,383	2,001	1,678	1,043	1,169	907	916	998
Medical services and administ. expenses.....	2,009	3,919	6,647	8,009	8,722	9,123	9,992	10,269	10,641	11,299
Hospital and domiciliary construction ³	75	136	342	481	458	486	557	567	589	634
Insurance and indemnities.....	1,181	1,345	1,637	1,701	1,694	1,750	1,853	2,008	1,689	1,734
Loan guaranty revolving fund.....	249	423	445	825	1,187	1,511	1,626	2,667	3,333	3,635
Direct loans.....	180	84	49	10	8	8	8	9	9	6
Miscellaneous expenditures.....	131	17	427	562	567	631	679	728	751	605

¹ Excludes expenditures from personal funds of patients. Includes expenditures from VA Revolving Supply Fund and insurance trust funds. ² Includes expenditures for statutory burial awards, special clothing allowance, mortgage life insurance, invalid lifts, headstones and markers, and other expenses. ³ Includes National Cancer Institute expenditures (transfer to Dept. of Veterans Affairs). ⁴ Includes construction grants for State extended care facilities. Beginning 1975, includes expenditures for health manpower training facilities.

Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs*.

NO. 569. VETERANS BENEFITS—EXPENDITURES FROM APPROPRIATED FUNDS, BY WAR:
TOTAL AND 1940 TO 1988

[In millions of dollars. For fiscal year ending in year shown; see text, section 9. Refers to expenditures of Dept. of Veterans Affairs and predecessor agencies. See also *Historical Statistics, Colonial Times to 1970*, series Y 971-983]

PERIOD OR YEAR	Total, all wars	Mexican War and Indian Wars	Civil War	Spanish-American War	World War I	World War II	Korean conflict ¹	Service between Korea and Vietnam only	Vietnam ²	Peace-time
Total	526,512	198	8,574	5,939	76,431	243,427	48,957	10,804	97,154	34,909
To 1939.....	³ 18,914	147	6,356	1,537	8,557	(x)	(x)	(x)	(x)	198
1940-1954.....	55,719	32	179	2,282	9,261	42,476	823	(x)	(x)	666
1955-1969.....	87,862	7	34	1,558	25,846	41,109	13,472	1,569	1,331	2,936
1970-1984.....	277,951	5	5	523	29,038	121,959	25,107	9,235	74,578	17,500
1970.....	8,905	(z)	1	54	1,944	3,881	898	481	1,328	318
1971.....	10,240	(z)	1	51	1,917	4,317	865	648	2,083	358
1972.....	11,314	1	1	45	1,980	4,699	905	728	2,571	394
1973.....	12,817	1	1	40	1,908	5,138	988	791	3,535	415
1974.....	13,878	1	1	39	1,835	5,439	1,051	848	4,159	505
1975.....	16,419	1	(z)	38	1,897	6,196	1,219	1,089	5,392	587
1976.....	18,798	1	(z)	39	1,861	7,024	1,378	1,246	6,509	740
1977 ⁴	23,063	(z)	(z)	45	2,401	9,616	1,900	617	7,447	1,037
1978.....	19,529	(z)	(z)	35	2,001	8,421	1,686	532	5,902	952
1979.....	20,276	(z)	(z)	35	2,096	9,140	1,830	545	5,555	1,075
1980.....	21,299	(z)	(z)	36	2,063	9,841	2,044	614	5,463	1,238
1981.....	22,863	(z)	(z)	18	1,727	10,656	2,309	528	5,889	1,736
1982.....	24,356	(z)	(z)	18	1,653	11,469	2,596	568	6,085	1,966
1983.....	25,914	(z)	(z)	16	1,543	12,024	2,753	(^b)	6,291	^c 3,287
1984.....	28,280	(z)	(z)	14	2,212	14,098	2,685	(^b)	6,369	^c 2,902
1985.....	27,540	1	(z)	15	1,288	12,539	3,084	(^b)	6,446	^c 4,167
1986.....	28,900	3	(z)	13	1,245	12,652	3,191	(^b)	7,222	^c 4,575
1987.....	29,626	3	(z)	11	1,196	12,892	3,280	(^b)	7,577	^c 4,867
1988.....	^e 26,741	2	(z)	9	964	12,453	3,556	(^b)	6,148	^c 3,575

X Not applicable. Z Less than \$500,000. ¹ June 27, 1950 to Jan. 31, 1955. ² Service from Aug. 5, 1964, to May 7, 1975. ³ Includes \$70 million for the Revolutionary War and \$49 million for the War of 1812. ⁴ 15 months ending Sept 30. ⁵ Service between Korea and Vietnam only combined with peacetime. ⁶ Includes \$648 million for capital additions and insurance and indemnities.

Source: U.S. Dept. of Veterans Affairs, unpublished data.

NO. 570. VETERANS COMPENSATION AND PENSION BENEFITS—NUMBER ON ROLLS AND AVERAGE PAYMENT, BY PERIOD OF SERVICE AND STATUS: 1980 TO 1988

[As of Sept. 30. Living refers to veterans receiving compensation for disability incurred or aggravated while on active duty and war veterans receiving pension and benefits for nonservice connected disabilities. Deceased refers to deceased veterans whose dependents were receiving pensions and compensation benefits. See also *Historical Statistics, Colonial Times to 1970*, series Y 996-999]

PERIOD OF SERVICE AND VETERAN STATUS	VETERANS ON ROLLS (1,000)					AVERAGE PAYMENT (annual basis) ¹ (dol.)				
	1980	1985	1986	1987	1988	1980	1985	1986	1987	1988
Total	4,646	4,006	3,899	3,808	3,725	2,370	3,505	3,647	3,741	3,949
Living veterans.....	3,195	2,931	2,883	2,844	2,804	2,600	3,666	3,764	3,821	4,003
Service connected.....	2,273	2,240	2,225	2,212	2,199	2,669	3,692	3,766	3,808	3,967
Nonservice connected.....	922	690	658	631	606	2,428	3,581	3,755	3,865	4,133
Deceased veterans.....	1,451	1,075	1,016	964	921	1,863	3,066	3,315	3,504	3,787
Service connected.....	358	336	331	328	325	3,801	5,836	6,100	6,296	6,649
Nonservice connected.....	1,093	739	685	636	595	1,228	1,809	1,969	2,066	2,224
Prior to World War I.....	14	7	6	5	5	1,432	1,855	1,979	2,068	2,226
Living.....	(z)	(z)	(z)	(z)	(z)	2,634	4,436	5,920	5,420	9,149
Deceased.....	14	7	6	5	5	1,403	1,822	1,937	2,025	2,142
World War I.....	692	381	334	295	261	1,683	2,461	2,664	2,817	2,986
Living.....	198	68	53	42	32	2,669	4,439	4,906	5,243	5,759
Deceased.....	494	313	281	253	229	1,288	2,029	2,239	2,415	2,597
World War II.....	2,520	2,097	2,020	1,943	1,869	2,307	3,317	3,440	3,513	3,724
Living.....	1,849	1,575	1,518	1,464	1,407	2,462	3,460	3,563	3,621	3,823
Deceased.....	671	522	502	479	462	1,880	2,888	3,067	3,182	3,422
Korean conflict ²	446	399	395	393	392	2,691	4,114	4,276	4,389	4,618
Living.....	317	309	308	308	307	2,977	4,260	4,366	4,457	4,658
Deceased.....	129	90	87	86	85	1,990	3,615	3,955	4,147	4,475
Peace-time.....	312	404	419	433	449	3,080	3,973	4,008	3,965	4,023
Living.....	282	352	367	382	398	2,828	3,589	3,614	3,583	3,613
Deceased.....	50	52	52	52	51	4,399	6,577	6,802	6,937	7,202
Vietnam era ³	662	716	726	738	749	2,795	4,021	4,138	4,244	4,483
Living.....	569	626	637	649	661	2,709	3,849	3,941	4,029	4,229
Deceased.....	93	90	89	89	89	3,324	5,220	5,546	5,818	6,204

Z Fewer than 500. ¹ Averages calculated by multiplying average monthly payment by 12. ² Service during period June 27, 1950, to Jan. 31, 1955. ³ Service from Aug. 5, 1964, to May 7, 1975.

Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs*, and unpublished data.

No. 571. VETERANS ADMINISTRATION HEALTH CARE SUMMARY: 1980 TO 1988

[For years ending Sept. 30]

ITEM	Unit	1980	1985	1988	ITEM	Unit	1980	1985	1988
Facilities operating:					Radiology examinations.....	Million.....	5.7	5.4	5.6
Hospitals.....	Number.....	172	172	172	Inpatients treated ⁴	1,000.....	1,359	1,435	1,224
Domiciliaries.....	Number.....	16	16	29	VA facilities.....	1,000.....	1,275	1,339	1,130
Outpatient clinics.....	Number.....	226	226	233	Other facilities.....	1,000.....	84	96	94
Nursing home units.....	Number.....	92	115	119	Average daily inpatients⁵:				
Employment¹.....	1,000.....	194	203	202	VA facilities.....	1,000.....	105	100	96
Obligations².....	Mil. dol.....	6,215	9,258	10,540	VA facilities.....	1,000.....	84	75	70
Medical care.....	Mil. dol.....	5,972	8,936	10,230	Other facilities.....	1,000.....	21	25	26
Research in health care.....	Mil. dol.....	138	227	215	Outpatient medical visits.....	Million.....	18.0	19.6	23.2
Prescriptions dispensed.....	Million.....	36.7	48.1	58.0	VA staff.....	Million.....	15.8	17.8	21.5
Laboratory ³	Million.....	215	173	188	Fee-basis.....	Million.....	2.2	1.8	1.8

¹ Net full-time equivalent. ² 1980, cost-basis; thereafter, obligation-basis. Includes other obligations not shown separately.

³ Total unweighted laboratory workload. ⁴ Based on the number of discharges and deaths during the fiscal year, plus the number on the rolls (bed occupants and patients on authorized leave of absence) at the end of the fiscal year. Excludes interhospital transfers. ⁵ Patients receiving hospital care, or nursing bed care.

Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs; Directory of VA Facilities*, biennial; and unpublished data.

No. 572. VETERANS ASSISTANCE TO PERSONS IN EDUCATION AND TRAINING PROGRAMS: 1980 TO 1988

[In thousands. For fiscal years ending in year shown; see text, section 9. Represents persons in training during year]

PROGRAM	1980	1981	1982	1983	1984	1985	1986	1987	1988
Post-Korea Education Assistance¹.....	1,107	949	778	644	528	402	308	239	203
Institutions of higher education.....	842	736	620	517	421	326	257	203	176
Resident schools other than college.....	149	122	98	88	78	54	35	26	19
Correspondence schools.....	42	35	21	13	10	7	6	4	4
On-the-job training.....	74	55	38	25	19	15	9	7	4
Children's Educational Assistance.....	82.6	82.6	80.3	70.9	63.6	55.3	48.4	43.4	40.9
Institutions of higher education.....	75.5	74.8	72.1	63.7	57.1	50.0	43.9	39.7	37.8
Schools other than college.....	6.5	7.5	7.8	7.0	6.2	5.2	4.3	3.6	3.0
Special restorative training.....	.1	.1	(2)	(2)	.1	(2)	(2)	(2)	(2)
On-the-job training.....	.5	.4	.3	.2	.2	.2	.1	.1	.1
Spouses, Widows/Widowers Educational Assistance Program.....	13.0	11.9	10.6	8.8	7.6	6.6	5.9	5.3	5.0
Institutions of higher education.....	10.8	10.1	9.0	7.5	6.5	5.7	5.0	4.5	4.3
Schools other than college.....	2.2	1.8	1.6	1.3	1.1	1.0	.9	.7	.6
Vocational Rehabilitation Program for Disabled Veterans.....	25.5	29.8	30.9	30.6	29.0	26.9	25.8	24.6	24.7

Z Fewer than 50. ¹ Includes some Post-Vietnam veterans.

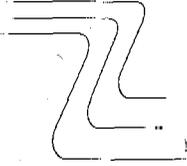
Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs*, and unpublished data.

No. 573. VETERANS GUARANTEED AND INSURED LOANS: 1970 TO 1988

[For fiscal years ending in year shown, see text, section 9. Includes mobile home loans. See section 26 for VA loan characteristics]

ITEM	Unit	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Number of loans.....												
Home.....	1,000.....	186.2	290.2	297.4	187.6	103.4	245.1	251.6	178.9	313.8	479.5	234.7
Home.....	1,000.....	186.2	288.2	289.2	178.2	92.9	231.6	238.5	170.0	307.7	474.4	232.6
Amount of loans.....	Mil. dol.....	3,683	8,091	14,815	10,008	5,542	14,670	15,612	11,452	21,966	34,900	17,302
Home.....	Mil. dol.....	3,682	8,072	14,653	9,822	5,332	14,389	15,333	11,263	21,833	34,783	17,254
Guaranty and insurance.....	Mil. dol.....	1,971	3,702	6,370	4,248	2,292	5,736	6,034	4,363	7,896	12,237	6,172
Home.....	Mil. dol.....	1,971	3,096	6,289	4,155	2,187	5,596	5,895	4,269	7,830	12,180	6,149

Source: U.S. Dept. of Veterans Affairs, *Annual Report of the Secretary of Veterans Affairs*.



Section 12

Social Insurance and Human Services

This section presents data related to governmental expenditures for social welfare; governmental programs for old-age, survivors, disability, and health insurance (OASDHI); governmental employee retirement; Individual Retirement Account, and private pension plans; government unemployment and temporary disability insurance; Federal supplemental security income payments and aid to the needy; child and other welfare services; and Federal food programs. Also included here are selected data on workers' compensation, including black lung benefits; vocational rehabilitation; child support; child care; and philanthropic trusts and foundations.

The principal source for these data is the Department of Health and Human Services' (HHS) monthly *Social Security Bulletin* which presents current data on many of the programs and summary data in annual statistical supplements. Current data on employment security are published monthly in the Department of Labor's *Unemployment Insurance Statistics*. Statistics on aid to families with dependent children (AFDC) are presented in the U.S. Family Support Administration's annual publication, *Quarterly Public Assistance Statistics*.

Social Insurance under the Social Security Act.—Programs established by the Social Security Act provide protection against wage loss resulting from retirement, prolonged disability, death, or unemployment, and protection against the cost of medical care during old age and disability. The Federal OASDHI program provides monthly cash benefits to retired or disabled insured workers and their dependents and to survivors of insured workers. To be eligible, a worker must have had a specified period of employment in which OASDHI taxes were paid. A worker becomes eligible for full benefits at age 65, although reduced benefits may be obtained up to 3 years earlier; the worker's spouse is under the same limitations. Survivor benefits are payable to dependents of deceased insured workers. Disability benefits are payable to an insured worker under age 65 with a prolonged disability and to the disabled worker's dependents on the same basis as dependents of retired workers. Also, disability benefits are provided at age 50 to the disabled widow or widower of a deceased worker who was fully insured at the time of death. A lump sum benefit is generally payable on the death of an insured worker to a spouse or minor children. For information on the Medicare program, see section 3.

Retirement, survivors, disability, and hospital insurance benefits are funded by a payroll tax on annual earnings (up to a maximum of earnings set by law) of workers, employers, and the self-employed. The maximum taxable earnings are adjusted periodically through Federal legislation to reflect increasing income levels (see table 586). Tax receipts and benefit payments are administered through Federal trust funds. Special benefits for uninsured persons; hospital benefits for persons 65 and over with specified amounts of Social Security coverage less than that required for cash benefit eligibility; and that part of the cost of supplementary medical insurance not financed by contributions from participants are financed from Federal general revenues.

Unemployment insurance is presently administered by the U.S. Employment and Training Administration and each State's employment security agency. By agreement with the U.S. Secretary of Labor, State agencies also administer unemployment compensation for eligible ex-service members and Federal employees, unemployment assistance under the Disaster Relief Act of 1970, workers assistance and relocation allowances under the Trade Act, and, until 1975, direct aid (training and related cash allowances) under Federal manpower acts.

Under State unemployment insurance laws, benefits related to the individual's past earnings are paid to unemployed eligible workers. State laws vary concerning the length of time benefits are paid and their amount. In most States, benefits are payable for 26 weeks and, during periods of high unemployment, extended benefits are payable under a Federal-State program to those who have exhausted their regular State benefits. The basic benefit can vary among States by over 100 percent. Some States also supplement the basic benefit with allowances for dependents.

Unemployment insurance is funded by a Federal unemployment tax levied on the taxable payrolls of most employers. Taxable payroll under the Federal Act and most State laws is the first \$7,000 in

wages paid each worker during a year. Employers are allowed a percentage credit of taxable payroll for contributions paid to States under State unemployment insurance laws. The remaining percent of the Federal tax finances administrative costs, the Federal share of extended benefits, and advances to States. About 97 percent of wage and salary workers are covered by unemployment insurance.

Retirement Programs for Government Employees.—The Civil Service Retirement System (CSRS) and the Federal Employees' Retirement System (FERS) are the two major programs providing age and service, disability and survivor annuities for Federal civilian employees. In general, employees hired after December 31, 1983 are covered under FERS and the social security program (OASDHI) and employees on staff prior to that date are members of CSRS and are covered under Medicare. CSRS employees were offered the option of transferring to FERS during 1987. There are separate retirement systems for the uniformed services (supplementing OASDHI) and for certain special groups of Federal employees.

State and local government employees are covered for the most part by State and local retirement systems similar to the Federal civil service retirement system. In many jurisdictions these benefits supplement OASDHI coverage.

Workers' compensation.—All States provide protection against work-connected injuries and deaths, although some States exclude certain workers (e.g., domestic help). Federal laws cover Federal employees, private employees in the District of Columbia, and longshoremen and harbor workers. In addition, the Social Security Administration and the Department of Labor administer a "black lung" benefits program for coal miners disabled by pneumoconiosis and for specified dependents and survivors. Specified occupational diseases are compensable to some extent. In most States, benefits are related to the worker's salary. The benefits may or may not be augmented by dependents' allowances or automatically adjusted to prevailing wage levels.

Public aid.—State-administered public assistance programs (Aid to Families with Dependent Children (AFDC), emergency assistance and general assistance) and the Federal Supplemental Security Income (SSI) program administered by the Social Security Administration provide benefits to persons who qualify. AFDC and emergency assistance are in part federally funded while the costs of general assistance are met entirely with State and local funds.

The SSI program replaced Federal grants for aid to the aged, blind and disabled in the 50 States and the District of Columbia in 1974. Residents of the Northern Mariana Islands became eligible in 1978. Federal grants continue for aid to the aged, blind and disabled in Guam, Puerto Rico and the Virgin Islands. The SSI program provides a minimum income for the aged, blind and disabled and establishes uniform national basic eligibility requirements and payment standards. Most States supplement the basic SSI payment.

Federal Food Stamp program.—Under the Food Stamp program, single persons and those living in households meeting nationwide standards for income and assets may receive coupons redeemable for food at most retail food stores. The monthly amount of coupons a unit receives is determined by household size and income. Households without income receive the determined monthly cost of a nutritionally adequate diet for their household size. This amount is updated to account for food price increases. Households with income receive the difference between the amount of a nutritionally adequate diet and 30 percent of their income, after certain allowable deductions.

To qualify for the program, a household must have less than \$2,000 in disposable assets (\$3,000 if one member is aged 60 or older), gross income below 130 percent of the official poverty guidelines, and net income below 100 percent of the poverty guidelines. Households with a person aged 60 or older or a disabled person receiving SSI, Social Security, or veterans' disability benefits may have gross income exceeding 130 percent of the poverty guidelines. All households must meet these requirements, even those receiving other Federal assistance payments. Households are certified for varying lengths of time, depending on their income sources and individual circumstances.

Health and welfare services.—Programs providing health and welfare services are aided through Federal grants to States for child welfare services, vocational rehabilitation, activities for the aged, maternal and child health services, maternity and infant care projects, comprehensive health services, and a variety of public health activities. For information about the Medicaid program, see section 3.

Noncash benefits.—The Bureau of the Census annually collects data on the characteristics of recipients of noncash (in-kind) benefits to supplement the collection of annual money income data in the Current Population Survey (see text, section 1 and section 15). Noncash benefits are those benefits received in a form other than money which serve to enhance or improve the economic well-being of the recipient. As for money income, the data for noncash benefits are for the calendar year prior to the date of the interview. The two major categories of noncash benefits covered are

public transfers (e.g. Food stamps, school lunch, public housing, and Medicaid) and employer or union-provided benefits to employees.

Statistical reliability.—For discussion of statistical collection, estimation, and sampling procedures and measures of statistical reliability applicable to HHS and Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 574. PRIVATE EXPENDITURES FOR SOCIAL WELFARE, BY TYPE: 1972 TO 1987

[In millions of dollars, except percent]

TYPE	1972	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total	94,569	124,926	242,611	276,784	316,908	356,017	391,741	431,080	479,774	541,141
Percent of gross national product	7.7	7.8	8.9	9.1	10.0	10.5	10.4	10.7	11.3	12.0
Health	58,500	76,400	142,900	165,800	188,400	208,700	228,800	244,000	266,800	293,000
Income maintenance	15,955	21,910	51,505	59,095	70,449	82,782	93,618	110,386	129,360	156,364
Private pension plan payments ¹ ..	9,710	14,398	37,560	44,569	54,325	66,682	76,083	92,236	110,396	136,037
Sickness and disability ²	2,649	3,396	6,280	6,437	6,884	6,993	7,498	8,026	8,016	8,862
Long-term disability ³	3,180	3,380	1,282	1,498	1,688	1,817	1,874	1,937	2,263	2,253
Life insurance and death ⁴ ..			5,075	5,746	6,269	6,519	6,899	7,489	7,797	8,166
Accidental death and dismemberment ⁵ ..	182	236	336	354	353	359	382	393	400	410
Supplemental unemployment ⁶	234	500	972	491	930	411	282	305	488	636
Education	12,677	16,826	26,751	30,062	32,697	35,911	38,872	42,858	45,993	50,018
Welfare services	7,457	9,990	21,455	23,827	25,362	27,624	30,451	33,825	37,621	41,759

¹ Covers benefits paid for solely by employers and all benefits of employment-related pension plans to which employee contributions are made. Excludes individual savings plans such as IRA's and Keogh plans. Pension plan benefits include monthly benefits and lump-sum distributions to retired and disabled employees and their dependents and to survivors of deceased employees. Also includes preretirement lump-sum distributions. ² Covers wage and salary workers in private industry. ³ Covers all wage and salary workers.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, annual.

NO. 575. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS: 1960 TO 1987

(In millions of dollars, except percent. For fiscal years ending in year shown; see text, section 9. Represents outlays from trust funds (mostly social insurance funds built up by earmarked contributions from insured persons, their employers, or both) and budgetary outlays from general revenues. Includes administrative expenditures, capital outlay, and some expenditures and payments outside U.S. See table 576 for program detail. For explanation of annual percent change, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series H 1-47, for related but not comparable data.)

YEAR	SOCIAL WELFARE OUTLAYS		Social insurance	Public aid	Health and medical programs ¹	Veterans programs	Education	Housing	Other social welfare	All health and medical care ²
	Total	Annual percent change								
TOTAL										
1960	52,293	³ 8.3	19,307	4,101	4,464	5,479	17,626	177	1,139	6,395
1970	145,856	10.8	54,691	16,488	9,907	9,078	50,845	701	4,145	25,391
1975	290,084	14.7	123,013	41,308	17,788	17,019	80,834	3,172	6,947	52,348
1980	482,528	11.2	228,754	71,799	27,650	21,488	121,050	7,210	13,599	100,294
1984	678,116	4.6	341,120	91,661	37,044	26,275	157,189	11,532	13,295	155,151
1985	737,154	8.7	372,529	98,086	41,215	27,042	172,103	12,627	13,552	175,420
1986	782,786	6.2	390,769	104,602	44,497	27,445	189,276	12,037	14,181	188,312
1987	834,446	6.6	415,023	110,695	47,819	28,051	204,540	13,240	15,278	203,586
FEDERAL										
1960	24,957	³ 9.0	14,307	2,117	1,737	5,367	868	144	417	2,918
1970	77,337	12.0	45,246	9,649	4,775	8,952	5,876	582	2,259	16,600
1975	167,426	16.7	99,715	27,186	8,521	16,570	8,629	2,541	4,264	34,100
1980	302,631	12.6	191,162	48,668	12,703	21,254	13,452	6,608	8,768	68,801
1984	420,521	4.8	288,743	58,480	16,744	25,970	15,010	10,228	7,348	108,913
1985	453,044	7.7	313,108	61,985	18,815	26,704	13,798	11,088	7,548	123,719
1986	472,013	4.2	326,014	65,722	20,197	27,072	15,022	10,164	7,822	131,428
1987	499,844	5.9	345,082	69,233	22,219	27,641	16,054	11,110	8,504	143,020
STATE AND LOCAL										
1960	27,337	³ 7.7	4,999	1,984	2,727	112	16,758	33	723	3,478
1970	68,519	9.6	9,446	6,839	5,132	127	44,970	120	1,886	8,791
1975	122,654	12.4	23,298	14,122	9,267	449	72,205	631	2,883	18,248
1980	189,897	9.1	38,592	23,133	14,948	212	107,597	601	4,813	31,492
1984	257,595	4.4	52,378	33,181	20,300	305	144,179	1,306	5,946	46,238
1985	284,109	10.3	59,420	36,101	22,400	338	158,306	1,540	6,004	51,701
1986	310,771	9.4	64,754	38,881	24,300	373	174,253	1,872	6,338	56,884
1987	334,601	7.7	69,941	41,462	25,400	410	188,486	2,129	6,773	60,568
PERCENT OF TOTAL EXPENDITURES, BY TYPE										
1960	100.0	(x)	36.9	7.8	8.5	10.5	33.7	.3	2.2	12.2
1970	100.0	(x)	37.5	11.3	6.8	6.2	34.9	.5	2.8	17.4
1980	100.0	(x)	46.6	14.6	5.6	4.4	24.6	1.5	2.8	20.4
1985	100.0	(x)	50.5	13.3	5.6	3.7	23.3	1.7	1.8	23.8
1986	100.0	(x)	48.9	13.4	5.7	3.5	24.2	1.5	1.8	24.0
1987	100.0	(x)	49.7	13.3	5.7	3.4	24.5	1.6	1.8	24.4
PERCENT FEDERAL OF TOTAL										
1960	47.7	(x)	74.1	51.6	39.9	98.0	4.9	81.4	36.6	45.6
1970	53.0	(x)	82.7	58.5	48.2	98.6	11.6	83.0	54.5	65.4
1980	61.4	(x)	83.2	67.8	45.9	99.0	11.1	91.7	64.6	68.1
1985	61.5	(x)	84.0	63.2	45.6	98.7	8.0	87.8	55.7	70.5
1986	60.3	(x)	83.4	62.8	45.4	98.6	7.9	84.4	55.2	69.9
1987	59.9	(x)	83.1	62.5	46.7	98.5	7.8	83.9	55.7	70.3
PER CAPITA (Current dollars)⁴										
1960	285	³ 6.5	105	22	24	30	96	2	6	35
1970	701	9.4	262	79	48	43	245	4	20	122
1980	2,138	11.8	995	312	121	92	526	33	59	437
1985	3,029	7.2	1,528	404	170	111	709	52	56	722
1986	3,187	5.2	1,589	427	162	111	772	49	58	767
1987	3,364	5.6	1,671	447	192	112	826	53	62	822
PER CAPITA (Constant (1987) dollars)⁵										
1960	1,037	³ 4.1	383	82	89	107	350	7	23	127
1970	1,947	6.5	729	221	131	120	681	11	56	338
1980	2,948	4.2	1,373	430	166	128	726	46	82	602
1985	3,237	1.9	1,633	432	181	118	757	56	60	767
1986	3,332	2.9	1,660	446	190	116	807	51	60	796
1987	3,364	1.0	1,671	447	192	112	826	53	62	822

X Not applicable. ¹ Excludes program parts of social insurance, public aid, veterans, and other social welfare.

² Combines "Health and medical programs" with medical services included in social insurance, public aid, veterans, vocational rehabilitation, and antipovary programs. ³ Change from 1950. ⁴ Excludes payments within foreign countries for education, veterans, OASDHI, and civil service retirement. ⁵ Constant dollar figures are based on implicit price deflators for personal consumption expenditures published by U.S. Bureau of Economic Analysis; see table 775.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1989 and unpublished data.

Social Welfare Expenditures

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NO. 576. SOCIAL WELFARE EXPENDITURES, BY SOURCE OF FUNDS AND PUBLIC PROGRAM: 1980 TO 1987

[In millions of dollars. See headnote, table 575, and *Historical Statistics, Colonial Times to 1970*, series H 1-47, for related but not comparable data]

PROGRAM	FEDERAL				STATE AND LOCAL			
	1980	1985	1986	1987	1980	1985	1986	1987
Total	302,631	463,044	472,013	499,844	189,897	284,109	310,771	334,601
Social Insurance	191,162	313,108	326,014	345,082	38,592	59,420	64,754	69,941
Old-age, survivors, disability, health.....	152,110	280,469	271,980	288,498	(X)	(X)	(X)	(X)
Health insurance (Medicare).....	34,992	72,194	75,903	82,019	(X)	(X)	(X)	(X)
Public employee retirement ¹	26,983	40,504	41,866	44,074	12,507	22,540	25,043	28,060
Railroad employee retirement.....	4,769	6,276	6,354	6,549	(X)	(X)	(X)	(X)
Unemployment insurance and employment services ²	4,408	2,604	2,831	2,956	13,919	15,740	15,719	15,099
Other railroad employee insurance ³	224	189	198	189	(X)	(X)	(X)	(X)
State temporary disability insurance ⁴	(X)	(X)	(X)	(X)	1,377	1,944	2,067	2,545
Workers' compensation ⁵	2,668	3,067	2,785	2,816	10,789	19,197	21,925	24,237
Hospital and medical benefits.....	130	280	293	348	3,598	6,800	8,073	9,271
Public aid	46,666	61,985	65,722	69,233	23,133	36,101	38,861	41,462
Public assistance ⁶	23,542	33,523	36,402	39,907	21,346	33,866	36,417	38,624
Medical vendor payments (Medicaid) ⁷	14,550	22,677	24,826	27,613	12,844	23,361	24,366	25,752
Social services.....	1,757	2,057	2,003	2,023	586	886	668	674
Supplemental security income.....	6,440	9,605	10,423	10,800	1,787	2,235	2,464	2,838
Food stamps.....	9,083	12,513	12,397	12,382	(X)	(X)	(X)	(X)
Other ⁸	9,601	6,344	6,499	6,164	(X)	(X)	(X)	(X)
Health and medical programs	12,703	18,815	20,197	22,219	14,948	22,400	24,300	25,400
Hospital and medical care.....	6,478	10,700	11,600	12,900	5,810	7,600	8,100	8,300
Civilian programs.....	2,378	2,500	2,600	2,800	5,810	7,600	8,100	8,300
Defense Department ⁹	4,100	8,200	9,000	10,100	(X)	(X)	(X)	(X)
Maternal and child health programs.....	354	400	400	400	516	800	900	800
Medical research.....	4,378	5,973	6,514	7,090	445	900	1,000	1,100
Medical facilities construction.....	236	342	283	228	1,904	1,800	1,600	1,600
Other.....	1,257	1,400	1,400	1,601	6,273	11,300	12,700	13,600
Veterans programs	21,254	26,704	27,072	27,841	212	338	373	410
Pensions and compensation.....	11,306	14,333	14,493	14,522	(X)	(X)	(X)	(X)
Health and medical programs.....	6,204	8,493	9,923	10,503	(X)	(X)	(X)	(X)
Hospital and medical care.....	5,750	8,809	9,120	9,522	(X)	(X)	(X)	(X)
Hospital construction.....	323	458	617	772	(X)	(X)	(X)	(X)
Medical and prosthetic research.....	131	227	186	210	(X)	(X)	(X)	(X)
Education.....	2,401	1,171	867	742	(X)	(X)	(X)	(X)
Life insurance ¹⁰	665	796	893	938	(X)	(X)	(X)	(X)
Welfare and other.....	679	912	896	936	212	338	373	410
Education ¹¹	13,452	13,796	15,022	16,054	107,597	158,306	174,253	188,486
Elementary and secondary ¹²	7,430	7,278	7,472	8,247	79,720	113,419	135,291	146,655
Construction ¹³	41	23	21	21	6,483	8,335	9,988	11,300
Higher.....	4,468	5,102	6,071	6,907	21,708	36,028	38,962	41,831
Construction.....	42	32	30	2	1,486	2,314	2,808	3,084
Vocational and adult ¹⁴	1,207	1,087	1,208	1,247	6,169	8,859	(¹⁵)	(¹⁵)
Housing	6,608	11,088	10,164	11,110	601	1,540	1,872	2,129
Other social welfare	8,786	7,548	7,822	8,504	4,813	6,004	6,338	6,773
Vocational rehabilitation.....	1,006	1,187	1,242	1,386	245	350	374	387
Medical services and research.....	237	275	288	319	56	85	91	94
Institutional care ¹⁴	74	121	140	130	408	259	311	384
Child nutrition ¹⁵	4,209	4,349	4,588	5,050	643	960	1,088	1,180
Child welfare ¹⁶	57	200	198	222	743	(NA)	(NA)	(NA)
Special CSA and ACTION programs ¹⁷	2,303	504	504	520	(X)	(X)	(X)	(X)
Welfare, not elsewhere classified ¹⁸	1,137	1,188	1,150	1,196	2,774	4,435	4,564	4,822

NA Not available. X Not applicable. ¹ Excludes refunds to those leaving service. Federal data include military retirement. ² Includes compensation for Federal employees and ex-servicemen, trade adjustment and cash training allowance, and payments under extended, emergency, disaster, and special unemployment insurance programs. ³ Unemployment and temporary disability insurance. ⁴ Cash and medical benefits in 5 areas. Includes private plans where applicable. ⁵ Benefits paid by private insurance carriers, State funds, and self-insurers. Federal includes black lung benefit programs. ⁶ Includes payments under State general assistance programs and work incentive activities, not shown separately. ⁷ Medical vendor payments are those made directly to suppliers of medical care. ⁸ Refugee assistance, surplus food for the needy, and work-experience training programs under the Comprehensive Employment and Training Act. Beginning 1985, includes low-income energy assistance program. ⁹ Includes medical care for military dependent families. ¹⁰ Excludes servicemen's group life insurance. ¹¹ Federal expenditures include administrative costs (Department of Education) and research, not shown separately. ¹² Beginning 1986, all state and local vocational education costs included with elementary-secondary. ¹³ Construction costs of vocational and adult education programs included under elementary-secondary expenditures. ¹⁴ Federal expenditures represent primarily surplus foods for nonprofit institutions. ¹⁵ Surplus food for schools and programs under National School Lunch and Child Nutrition Acts. ¹⁶ Represents primarily child welfare services under title V of the Social Security Act. ¹⁷ Includes domestic volunteer programs under ACTION and community action and migrant workers programs under Community Services Administration. ¹⁸ Federal expenditures include administrative expenses of the Secretary of Health and Human Services; Indian welfare and guidance, and aging and juvenile delinquency activities. State and local include antipoverty and manpower programs, child care and adoption services, legal assistance, and other unspecified welfare services.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1989.

**No. 577. SOCIAL WELFARE EXPENDITURES UNDER PUBLIC PROGRAMS AS PERCENT OF GNP AND
TOTAL GOVERNMENT OUTLAYS: 1960 TO 1987**

[See headnote, table 575. For explanation of annual percent change, see Guide to Tabular Presentation]

YEAR	TOTAL EXPENDITURES				FEDERAL				STATE AND LOCAL GOVERNMENT			
	Total (bil. dol.)	Annual percent change ¹	Percent of—		Total (bil. dol.)	Annual percent change ¹	Percent of—		Total (bil. dol.)	Annual percent change ¹	Percent of—	
			Total GNP ²	Total govt. out- lays			Total GNP ²	Total Fede- ral out- lays			Total GNP ²	Total State and local out- lays
1960.....	52.3	8.3	10.3	38.4	25.0	9.0	4.9	28.1	27.3	7.7	5.4	60.1
1970.....	145.9	10.8	14.7	48.2	77.3	12.0	7.8	40.1	68.5	9.6	6.9	64.0
1975.....	290.1	14.7	19.0	57.3	167.4	16.7	11.0	52.0	122.7	12.4	8.0	65.3
1980.....	492.5	11.2	18.5	56.5	302.6	12.6	11.3	54.3	189.9	9.1	7.1	60.8
1985.....	737.2	8.4	18.4	52.3	453.0	8.4	11.3	48.6	284.1	8.4	7.1	60.5
1986.....	782.8	6.2	18.5	52.2	472.0	4.2	11.2	48.3	310.8	9.4	7.3	60.4
1987.....	834.4	6.6	18.4	53.5	499.8	5.9	11.0	50.4	334.6	7.7	7.4	59.6

¹ Change from prior year shown; for 1960, change from 1950. ² Gross national product.

Source: U.S. Social Security Administration, *Social Security Bulletin*, November 1989.

No. 578. PUBLIC INCOME-MAINTENANCE PROGRAMS—CASH BENEFIT PAYMENTS: 1970 TO 1988

[Includes payments outside the United States and benefits to dependents, where applicable]

PROGRAM	PAYMENTS (bil. dol.)										PERCENT		
	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988	1970	1980	1987
Total	60.5	228.1	241.0	282.9	288.6	309.1	327.9	344.0	360.2	(NA)	100.0	100.0	100.0
Percent of personal income ²	7.3	10.1	9.6	10.6	10.5	9.9	9.9	9.8	9.5	(NA)	(X)	(X)	(X)
OASDI ³	31.6	120.3	128.7	155.7	166.9	175.5	186.1	193.6	201.7	214.5	52.2	52.8	55.9
Public employee retirement ⁴	9.2	40.6	46.4	51.4	55.0	59.0	63.5	67.4	72.1	(NA)	15.2	17.8	20.0
Railroad retirement.....	1.8	4.9	5.4	5.8	6.0	6.1	6.3	6.4	6.5	6.7	2.9	2.1	1.8
Veterans' pensions, compensation.....	5.5	11.4	12.5	13.3	13.7	13.8	14.1	14.2	14.3	14.8	9.1	5.0	4.0
Unemployment benefits ⁵	4.2	18.9	13.7	21.1	19.2	13.6	14.4	16.0	14.4	13.2	7.0	8.3	4.0
Temporary disability benefits.....	.7	1.4	1.6	1.6	1.6	1.8	1.8	1.9	2.5	2.0	1.2	.6	.7
Workers' compensation ⁶	2.0	9.7	10.6	11.3	11.9	13.3	15.1	16.3	17.4	(NA)	3.3	4.2	4.8
Public assistance ⁷	4.9	12.1	13.2	13.0	13.9	14.6	15.3	16.1	16.5	17.0	8.0	5.3	4.6
Supplemental Security Income ⁷	(X)	7.9	8.5	9.0	9.5	10.4	11.1	12.1	14.8	14.5	(X)	3.4	4.1

NA Not available. X Not applicable. ¹ Includes lump sum death benefits, not shown separately. ² For base data, see table 700. ³ Old-age, survivors, and disability insurance under Federal Social Security Act; see text, section 12.

⁴ Excludes refunds of contributions to employees who leave service. ⁵ Beginning 1981, covers State unemployment insurance, Ex-Servicemen's Compensation Act and railroad unemployment insurance only. ⁶ Includes black lung benefits.

⁷ Beginning 1975, Federal grants to States for aid to aged, blind, and disabled replaced by Supplemental Security Income programs; see text, section 12.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly and unpublished data.

**No. 579. HOUSEHOLDS RECEIVING MEANS-TESTED NONCASH BENEFITS, 1980 TO 1987, AND BY
POVERTY STATUS, 1987**

[Households as of March of following year. Covers civilian noninstitutional population, including persons in the Armed Forces living off post or with their families on post. A means-tested benefit program requires that the household's income and/or assets fall below specified guidelines in order to qualify for benefits. The means-tested noncash benefits covered are food stamps, free or reduced-price school lunches, public or subsidized housing, and Medicaid. There are general trends toward under-estimation of noncash beneficiaries. Households are classified according to poverty status of family or nonfamily household; for explanation of poverty level, see text, section 14. Based on Current Population Survey; see text, section 1, and Appendix III]

TYPE OF BENEFIT RECEIVED	1980, total (1,000)	1984, total (1,000)	1985, total (1,000)	1986, total (1,000)	Total (1,000)	1987		
						Below poverty level	Above pov- erty level (1,000)	Total
Total households	82,368	85,789	88,458	88,479	91,066	11,945	100.0	79,121
Not receiving noncash benefits.....	68,102	72,194	73,992	74,670	76,789	4,688	39.0	72,121
Not receiving cash public assistance.....	67,743	71,958	73,731	74,406	76,561	4,808	38.6	71,953
Receiving cash public assistance ¹	359	237	261	263	228	60	.5	169
Receiving at least one noncash benefit.....	14,266	14,594	14,466	14,809	14,277	7,278	60.9	6,999
Not receiving cash public assistance.....	7,860	7,973	7,860	8,181	7,730	2,969	24.9	4,762
Receiving cash public assistance ¹	6,407	6,621	6,607	6,628	6,547	4,309	36.1	2,238
Total households receiving—								
Food stamps.....	6,769	7,061	6,779	6,693	6,351	4,830	40.4	1,521
School lunch.....	5,532	5,637	5,752	5,979	5,778	3,187	28.5	2,611
Public housing.....	2,777	3,588	3,799	3,789	3,983	2,252	18.9	1,731
Medicaid.....	8,287	8,323	8,178	8,521	8,314	5,030	42.1	3,284

¹ Households receiving money from Aid to Families with Dependent Children program, Supplemental Security Income program or other public assistance programs.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-80, No. 155 and earlier reports and unpublished data.

No. 580. CASH AND NONCASH BENEFITS FOR PERSONS WITH LIMITED INCOME: 1985 TO 1987

[For years ending September 30, except as noted. Programs covered in this table provide cash, goods, or services to persons who make no payment and render no service in return. In case of job and training programs and some educational benefits, recipients must work or study for wages, training allowances, stipends, grants, or loans. Most of the programs base eligibility on individual, household, or family income, but some use group or area income tests; and a few offer help on the basis of presumed need.]

PROGRAM	AVERAGE MONTHLY RECIPIENTS (1,000)			EXPENDITURES (mil. dol.)					
	1985	1986	1987	Total ¹			Federal		
				1985	1986	1987	1985	1986	1987
Total	(x)	(x)	(x)	143,526	146,705	158,735	105,404	108,269	114,912
Medical care ²	(x)	(x)	(x)	49,581	52,997	60,692	27,737	29,771	34,956
Medicaid ³	* 21,814	* 22,518	* 23,335	41,150	44,442	50,010	22,844	24,767	27,960
Veterans ⁴	⁵ 504	⁶ 361	⁶ 369	⁷ 3,053	⁷ 3,183	⁷ 5,035	⁷ 3,053	⁷ 3,183	⁷ 5,035
General assistance.....	(NA)	(NA)	(NA)	1,017	862	854	929	854	929
Indian Health Services.....	⁸ 931	⁸ 990	⁸ 1,017	783	749	813	478	457	497
Maternal and child health services.....	(NA)	(NA)	(NA)	383	396	420	383	396	420
Community health centers.....	⁸ 5,200	⁸ 5,500	⁸ 5,500	38,119	40,952	42,542	24,969	26,887	27,925
Cash aid ²	(x)	(x)	(x)	18,436	17,757	18,440	9,909	9,536	9,987
A.F.D.C. ⁹	10,813	10,995	11,064	11,857	12,823	13,743	10,903	10,308	10,832
Supplemental Security Income ³	4,305	4,450	4,569	3,842	3,874	3,793	3,842	3,874	3,793
Pensions for needy veterans ¹³	¹⁸ 1,489	¹² 1,397	¹³ 1,311	2,499	2,636	2,537	-	-	-
General assistance.....	⁷ 1,323	⁷ 1,334	⁷ 1,193	1,645	2,084	2,053	1,645	2,084	2,053
Earned income tax credit.....	⁷ 17,313	⁷ 19,197	⁷ 18,807	20,391	20,226	21,004	19,362	19,146	19,837
Food benefits ²	(x)	(x)	(x)	13,470	13,441	12,479	12,599	12,529	12,479
Food stamps ^{7 14}	21,400	20,900	20,600	11,600	11,600	11,600	11,600	11,600	11,600
School lunch program ¹⁴	¹⁸ 11,500	¹⁵ 11,600	¹⁶ 11,600	1,500	1,581	1,664	1,500	1,581	1,664
Women, infants and children ¹⁷	3,138	3,312	3,430	1,327	771	896	1,327	771	896
Temporary emergency food assistance.....	(NA)	¹⁸ 15,000	(NA)	614	625	649	456	457	478
Nutrition program for elderly ¹⁹	⁸ 3,630	⁸ 3,584	⁸ 3,522	14,113	13,245	13,191	14,113	13,245	13,191
Housing benefits ²	(x)	(x)	(x)	6,818	7,430	8,125	6,818	7,430	8,125
Lower-income housing asst. (Sec. 8).....	²⁰ 2,010	²⁰ 2,143	²⁰ 2,240	3,408	2,882	2,161	3,408	2,882	2,161
Low-rent public housing.....	²⁰ 1,355	²⁰ 1,380	²⁰ 1,390	2,126	2,155	2,144	2,126	2,155	2,144
Rural housing loans.....	²¹ 41	²¹ 26	²¹ 24	619	633	638	619	633	638
Interest reduction payments.....	²¹ 528	²¹ 529	²¹ 528	2,903	2,652	2,555	2,903	2,652	2,555
Rural rental housing loans.....	²¹ 26	²¹ 21	²¹ 17	9,970	10,589	10,223	9,516	10,101	9,722
Education aid ²	(x)	(x)	(x)	2,800	3,862	3,580	2,800	3,862	3,580
Pell grants.....	²² 2,797	²² 2,881	²² 2,745	2,286	2,286	3,179	2,286	2,286	3,179
Guaranteed student loans.....	²³ 3,477	²³ 3,242	²³ 3,300	1,309	1,266	1,378	1,047	1,013	1,102
Head Start.....	448	448	447	555	593	567	555	593	567
College Work-Study Program.....	²³ 737	²³ 728	²³ 753	2,413	2,413	2,395	2,413	2,413	2,395
Supplemental Educational Opportunity Grants.....	²³ 720	²³ 686	²³ 689	3,895	3,853	3,895	3,895	3,853	3,895
Jobs and training ²	(x)	(x)	(x)	725	636	750	725	636	750
Training for disadvantaged adults and youth ²⁴	²⁷ 350	²⁷ 337	²⁷ 393	617	613	656	617	613	656
Summer youth employment program ²⁴	²⁹ 785	²⁹ 634	²⁹ 723	306	366	373	306	366	373
Job Corps ²⁴	²⁷ 41	²⁷ 41	²⁷ 41	297	234	140	267	211	128
Senior community service employment program.....	³⁰ 64	³⁰ 61	³⁰ 66	5,084	4,844	5,126	3,551	3,390	3,607
Work incentive program.....	³¹ 1,013	³¹ 870	³¹ 914	4,258	4,038	4,219	2,725	2,584	2,700
Services ²	(x)	(x)	(x)	372	355	409	372	355	409
Social services (Title 20) ³²	(NA)	(NA)	(NA)	2,292	2,153	2,104	2,261	2,103	1,892
Community services block grant.....	(x)	(x)	(x)	2,095	1,965	1,938	2,070	1,921	1,731
Energy assistance ²	(x)	(x)	(x)	6,800	6,700	6,300	6,800	6,700	6,300
Low-income energy assistance ³	³³ 6,800	³³ 6,700	³³ 6,300						

- Represents zero. NA Not available. X Not applicable. ¹ Includes State and local government expenditures not shown separately. ² Includes other programs not shown separately. ³ Expenditure data include administrative expenses. ⁴ Unduplicated annual number. ⁵ Medical care for veterans with a non-service-connected disability. ⁶ Estimated number of patients discharged from hospital during year. ⁷ Estimated. ⁸ Annual numbers. ⁹ Aid to Families with Dependent Children program. Excludes data for foster care program and child support operations (cost and collections). ¹⁰ Excludes Federal sums spent for SSI (State supplements) to Indochinese refugees. ¹¹ Includes dependents and survivors. ¹² Estimate as of September. ¹³ Includes Puerto Rico's nutritional assistance program. ¹⁴ Free and reduced-price segments. ¹⁵ Estimated daily average. ¹⁶ Includes estimate of commodity assistance. ¹⁷ Special supplemental food program for women, infants and children. ¹⁸ Estimate. As of October. ¹⁹ No income test required but preference given to those with greatest need. ²⁰ Units eligible for payment at end of year. ²¹ Represents total families or dwelling units during year. ²² Amount of loans obligated. ²³ Total numbers for the school year ending in year shown. ²⁴ Appropriation available for school year ending the fiscal year named. ²⁵ Net obligations for school year beginning in fiscal year named. ²⁶ Programs represent specific titles under the Job Training and Partnership Act (JTPA). ²⁷ Average monthly enrollment for program year. ²⁸ Federal funds are appropriations. ²⁹ Total participants (June-August). ³⁰ Annual number of jobs authorized. ³¹ New registrants only. ³² Non-Federal expenditure data are rough estimates. ³³ Number of households that received heating aid. ³⁴ State spending includes funds received as "oil overcharge" settlements.

Source: Library of Congress, Congressional Research Service, "Cash and Noncash Benefits for Persons With Limited Income: Eligibility Rules, Recipient and Expenditure Data, FY 1985-87," Report No. 88-526 EPW, August 1988.

No. 581. SOCIAL INSURANCE AND RELATED PROGRAMS—CASH BENEFICIARIES AND BENEFITS, BY PROGRAM: 1980 TO 1987

[Includes some beneficiaries and benefit payments for some programs in outlying areas. OASDHI=Old-age, survivors, disability, and health insurance, Federal programs under Social Security Act; see text, section 12. Partly estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 125-171]

PROGRAM	BENEFICIARIES ¹ (1,000)					AMOUNT OF BENEFITS (mil. dol.)				
	1980	1984	1985	1986	1987	1980	1984	1985	1986	1987
Total	(X)	(X)	(X)	(X)	(X)	207,797	283,238	302,827	316,271	330,989
Percent of personal income.....	(X)	(X)	(X)	(X)	(X)	9.2	9.1	9.1	9.0	8.8
Retirement ²	(X)	(X)	(X)	(X)	(X)	113,252	175,504	188,780	198,104	208,387
OASDHI.....	22,267	25,237	25,739	26,157	26,755	77,905	123,804	132,298	140,418	146,836
Public employee retirement.....	4,208	5,128	5,313	5,495	5,858	32,416	47,938	52,600	53,743	57,491
Federal civil service.....	913	1,057	1,122	1,166	1,186	10,227	15,245	16,111	15,869	16,959
Other Federal employee ³	1,149	1,261	1,283	1,289	1,313	11,397	15,316	16,078	16,390	16,681
State and local government.....	2,146	2,809	2,907	3,030	3,359	10,792	17,377	20,411	21,484	23,851
Railroad retirement.....	589	592	566	575	568	2,931	3,762	3,862	3,943	4,060
Disability ^{2, 4}	(X)	(X)	(X)	(X)	(X)	39,659	48,505	52,054	55,257	58,298
OASDHI.....	4,729	3,808	3,873	3,715	4,034	15,437	17,732	18,647	19,524	20,504
Public employee retirement.....	720	730	689	692	695	5,371	6,221	6,697	7,844	8,241
Federal civil service.....	355	363	332	326	318	2,865	3,221	3,404	4,476	4,563
Other Federal employee ³	157	144	144	144	143	1,275	1,436	1,459	1,437	1,433
State and local government.....	208	223	213	222	234	1,211	1,565	1,834	1,931	2,245
Railroad retirement.....	95	87	85	84	83	584	681	696	706	738
Veterans Admin. programs ⁵	3,194	2,985	2,933	2,894	2,850	8,602	10,578	10,748	10,886	11,210
Workers' compensation.....	(NA)	(NA)	(NA)	(NA)	(NA)	7,245	10,845	12,584	13,333	14,179
Black lung benefit program.....	252	172	156	140	127	1,077	822	795	838	809
Temporary disability.....										
State insurance ⁷	199	191	169	148	152	1,300	1,584	1,844	2,067	2,545
Railroad insurance.....	14	11	11	12	11	63	42	43	58	72
Survivor monthly benefits	(X)	(X)	(X)	(X)	(X)	34,986	44,851	46,296	45,693	48,733
OASDHI.....	8,260	7,196	7,162	7,127	7,184	26,654	33,917	34,807	33,785	36,612
Public employee retirement.....	763	836	872	911	976	2,895	4,431	4,768	5,010	5,447
Federal civil service.....	439	490	501	516	528	1,930	3,006	3,177	3,306	3,591
Other Federal employee ³	71	104	114	128	136	301	553	616	677	734
State and local government.....	253	242	257	267	312	664	872	975	1,027	1,122
Railroad retirement.....	330	322	311	289	285	1,372	1,679	1,702	1,722	1,737
Veterans Admin. programs ⁵	1,465	1,157	1,082	1,085	979	2,755	3,230	3,310	3,375	3,123
Workers' compensation.....	(NA)	(NA)	(NA)	(NA)	(NA)	675	885	980	1,032	1,067
Black lung benefit program.....	158	151	148	144	140	635	710	730	768	747
Lump-sum payments	(X)	(X)	(X)	(X)	(X)	964	735	956	1,106	1,180
OASDHI.....	(X)	(X)	(X)	(X)	(X)	395	168	143	136	138
Public employee retirement.....	(X)	(X)	(X)	(X)	(X)	377	434	680	840	898
Federal civil service.....	(X)	(X)	(X)	(X)	(X)	23	37	34	56	50
Other Federal employee.....	(X)	(X)	(X)	(X)	(X)	3	6	6	6	8
State and local government.....	(X)	(X)	(X)	(X)	(X)	352	391	640	778	842
Railroad retirement.....	(X)	(X)	(X)	(X)	(X)	14	11	9	10	9
Veterans Admin. programs ⁵	(X)	(X)	(X)	(X)	(X)	178	123	124	120	134
Unemployment	(X)	(X)	(X)	(X)	(X)	18,935	13,643	14,761	16,116	14,391
State unemployment insurance ⁷	2,830	2,167	2,409	2,391	2,032	18,756	13,495	14,629	15,988	14,276
Railroad unemployment insurance.....	38	28	29	24	17	179	148	132	128	115

NA Not available. X Not applicable. ¹ For old-age, survivors, disability, and health insurance, average monthly number; for public employee retirement systems, railroad retirement program, veterans programs, and the black lung benefit program, number on rolls June 30; for State unemployment and temporary disability insurance, average weekly number; for railroad unemployment and temporary disability insurance, average number during 14-day registration period. ² Includes benefits to dependents where applicable. ³ Benefits for career military personnel (those with 20 years' service) are paid by the U.S. Dept. of Defense and are included under "Other Federal employee". ⁴ Excludes payments for medical care. ⁵ Payable in CA, NJ, NY, RI, and PR under public and private plans. Data for beneficiaries in NJ not available. ⁶ Lump sums are for burial of deceased veterans. ⁷ Includes payments made by the States as agents of the Federal Government under the Federal employees' unemployment compensation program and under the Ex-Servicemen's Compensation Act of 1958, and payment under the extended unemployment insurance programs, the Trade Expansion Act of 1962, the Disaster Relief Act of 1970 and the Trade Act of 1974. Beginning 1984, payments cover State unemployment insurance and Ex-Servicemen's Compensation Act only. Beneficiaries relate to regular State unemployment insurance, Federal employee (1980), and ex-servicemen programs only. Includes Puerto Rico.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

No. 582. ESTIMATED WORKERS UNDER SOCIAL INSURANCE PROGRAMS: 1960 TO 1988

[In millions. As of December, except as noted. See also *Historical Statistics, Colonial Times to 1970*, series H 51-56]

EMPLOYMENT AND COVERAGE STATUS	1960	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total labor force ^{1 2}	73.1	86.2	109.1	110.7	112.7	113.5	115.7	117.5	119.8	122.0	123.8
Paid civilian population.....	64.6	77.6	98.9	99.0	98.4	102.2	105.5	107.7	110.2	113.3	115.6
Unpaid family workers.....	1.4	.8	.6	.5	.5	.6	.5	.4	.3	.4	.4
Unemployed.....	4.5	2.6	7.4	9.0	11.6	9.0	8.0	7.7	7.5	6.5	6.1
Armed Forces ³	2.5	3.4	2.1	2.2	2.2	1.7	1.7	1.7	1.8	1.8	1.7
Civilian population covered by:											
Public retirement programs	60.9	75.3	96.4	96.4	95.7	99.5	104.4	106.8	109.1	112.2	114.5
OASDHI ³	55.4	69.2	89.3	89.5	88.9	92.7	98.0	100.3	102.9	106.0	108.4
Railroad retirement.....	.9	.6	.5	.5	.4	.4	.4	.3	.3	.3	.3
Public employees retirement ⁴	4.6	5.5	6.6	6.4	6.4	6.0	6.0	5.9	5.9	5.9	5.8
Unemployment insurance	43.7	55.8	87.2	89.9	87.9	91.3	95.8	98.2	100.2	103.7	(NA)
Workers' compensation	44.6	59.0	79.1	78.6	78.1	80.5	83.4	85.1	87.2	90.0	(NA)
Temporary disability insurance	11.3	14.6	18.4	18.4	18.1	18.7	19.3	19.8	20.3	21.6	(NA)

NA Not available. ¹ Data from U.S. Bureau of Labor Statistics and based on U.S. Bureau of the Census' Current Population Survey; see text, section 1, and Appendix III. ² Excludes Armed Forces overseas beginning 1983. ³ OASDHI=Old-age, survivors, disability, and health insurance. Excludes members of Armed Forces and railroad employees. ⁴ Data represent yearly averages. Excludes State and local government employees covered by both OASDHI and their own retirement program.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

No. 583. SELECTED SOCIAL INSURANCE PROGRAMS—ESTIMATED PAYROLLS OF COVERED EMPLOYMENT IN RELATION TO WAGES AND SALARIES: 1970 TO 1987

[In billions of dollars, except percent. Data for Federal civilian and military personnel cover all areas. Gross amount before deduction of social insurance contributions. OASDHI: Old-age, survivors, disability, and health insurance programs under Social Security Act; see text, section 12. See also *Historical Statistics, Colonial Times to 1970*, series H 57-69]

PROGRAM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
Total earnings ¹	615	896	1,553	1,697	1,717	1,867	2,073	2,232	2,381	2,561
All wages and salaries ¹	549	806	1,372	1,510	1,586	1,676	1,839	1,975	2,094	2,248
Civilian.....	528	783	1,342	1,475	1,546	1,634	1,794	1,926	2,044	2,196
Payrolls covered by—										
Retirement programs ²	528	783	1,318	1,445	1,529	1,614	1,782	1,904	2,029	2,148
OASDHI ^{3 4}	480	717	1,229	1,348	1,423	1,502	1,665	1,779	1,899	2,014
Railroad retirement ³	6	8	13	13	13	12	13	13	12	12
Federal civil service.....	26	37	52	56	59	62	65	70	72	74
State and local government.....	53	87	123	135	143	153	162	175	190	203
Unemployment insurance ³	389	694	1,303	1,433	1,500	1,583	1,739	1,870	1,983	2,034
Workers' compensation program ⁶	441	678	1,136	1,247	1,301	1,382	1,516	1,618	1,725	1,845
Net earnings in self-employment covered by OASDHI.....	48	70	98	99	99	109	117	122	139	157
Percent of civilian payrolls covered by—										
OASDHI ^{3 6}	90.9	91.1	92.6	92.5	93.1	92.6	92.9	92.4	92.9	91.7
Railroad retirement ³	1.2	1.1	1.0	.9	.8	.7	.7	.7	.6	.5
Federal civil service retirement.....	5.0	4.7	3.9	3.8	3.9	3.8	3.7	3.6	3.5	3.4
State and local government retirement.....	10.1	11.1	9.2	9.2	9.2	9.4	9.0	9.1	9.3	9.2
Unemployment insurance ³	73.7	88.6	97.1	97.1	97.0	96.9	97.0	97.1	97.0	92.6
Workers' compensation programs ⁵	83.6	86.6	84.3	84.5	84.1	84.6	84.0	84.0	84.4	84.0

¹ Data from U.S. Bureau of Economic Analysis. Earnings include self-employed; wages and salaries represent civilian and military pay in cash and in kind. ² Adjusted for duplication in coverage by both OASDHI and State and local government retirement systems. ³ Taxable plus estimated nontaxable wages and salaries. ⁴ Includes Armed Forces in all areas. ⁵ Payrolls of employers insured with private carriers, State funds, or self-insured, and pay covered by Federal programs in all areas.

⁶ Percent computed after excluding Armed Forces payroll covered by OASDHI.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

NO. 584. SELECTED SOCIAL INSURANCE PROGRAMS—SOURCE OF FUNDS FROM CONTRIBUTIONS AND TRANSFERS: 1970 TO 1988

(In millions of dollars)

PROGRAM AND SOURCE OF FUNDS	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
Social Security trust funds:										
Old-age and survivors insurance (OASI)										
Employer	14,489	49,731	58,872	59,105	63,935	78,110	83,682	90,261	85,493	107,427
Employee	14,204	49,436	58,656	58,918	63,731	73,991	83,400	89,796	95,122	106,813
Self-employed	1,564	4,289	4,998	5,649	5,049	6,832	7,720	8,756	10,122	13,059
Government ¹	449	540	675	680	11,162	887	2,529	485	406	327
Tax credits ²	(x)	(x)	(x)	(x)	(x)	4,607	1,829	1,605	1,643	2,092
Taxation of benefits ³	(x)	(x)	(x)	(x)	(x)	2,835	3,208	3,424	3,257	3,384
Disability insurance (DI)	4,497	13,385	16,906	22,169	19,112	16,135	18,430	18,837	19,655	22,100
Employer	2,154	6,307	8,074	10,597	8,379	7,536	8,119	8,703	9,282	10,301
Employee	2,117	6,254	8,035	10,574	8,339	7,134	8,087	8,658	9,253	10,252
Self-employed	210	694	629	824	830	741	776	856	982	1,257
Government ¹	16	130	168	174	1,565	92	1,048	31	21	27
Tax credits ²	(x)	(x)	(x)	(x)	(x)	441	178	152	153	202
Taxation of benefits ³	(x)	(x)	(x)	(x)	(x)	190	222	238	36	81
Hospital insurance (HI) ⁴	5,820	24,982	34,157	35,976	41,283	43,571	48,035	55,648	58,772	62,470
Employer	2,379	11,591	16,087	16,791	18,187	20,396	22,613	25,986	27,750	29,233
Employee	2,392	11,518	16,015	16,734	18,128	20,356	22,549	25,879	27,637	29,086
Self-employed	169	739	856	1,061	943	1,381	1,970	2,308	2,805	3,555
Government ¹	874	871	900	1,015	3,639	899	47	657	580	596
Supplementary medical insurance (SMI)⁵										
Aged	1,096	2,707	3,356	3,341	3,845	4,721	5,105	5,218	6,747	7,983
Disabled	(x)	304	366	356	391	445	508	504	661	778
Government	1,093	7,455	11,291	12,284	14,881	17,054	18,250	17,802	23,560	26,203
Railroad retirement ⁶	968	2,630	2,827	3,304	3,604	* 4,893	* 4,966	* 4,811	* 3,658	* 4,596
Employer	510	1,722	1,817	2,036	2,014	2,379	2,417	2,413	* 2,370	2,689
Employee	439	594	684	858	849	1,022	1,110	1,120	1,102	1,279
Government ¹	19	313	126	410	741	1,068	1,099	873	285	430
Federal civil service	3,870	19,986	22,554	23,964	25,124	25,566	27,180	27,718	27,785	(NA)
Employer (Federal and DC gov.)	2,001	16,220	18,506	19,736	20,673	20,900	22,472	23,022	23,144	(NA)
Employee ⁷	1,869	3,766	4,048	4,228	4,451	4,666	4,688	4,696	4,641	(NA)
State and local government ⁸	7,895	25,654	27,896	30,782	32,790	34,309	37,455	41,597	(NA)	(NA)
Employer (government)	4,920	18,776	20,190	22,366	24,050	25,305	27,899	30,356	(NA)	(NA)
Employee	2,975	6,878	7,706	8,416	8,740	9,004	9,756	11,241	(NA)	(NA)

NA Not available. X Not applicable. ¹ Represents cost of gratuitous military service wage credits and, for OASI only, Federal payments for special age-72 benefits. For HI only, also includes transfers of appropriations for HI benefits of persons not insured for cash benefits under OASI, DI, or railroad retirement and, beginning 1980, transfers for Professional Standards Review Organization expenditures. Beginning 1983, includes taxes on deemed wage credits for military service performed after 1958. ² See footnotes 4, 5, and 6, table 584. ³ Revenues arising from application of income tax to up to half of the social security benefits of beneficiaries who have substantial amounts of other income. Minus sign (-) indicates tax refunds. ⁴ Includes other sources not shown separately. ⁵ Includes premiums paid on behalf of eligibles by State governments under "buy-in" arrangements. ⁶ Excludes HI contributions and includes employer contributions to supplement benefit account. ⁷ Includes voluntary contributions to purchase additional annuity. ⁸ Estimated.

NO. 585. SOCIAL SECURITY—COVERED EMPLOYMENT AND EARNINGS: 1970 TO 1988

[Includes Puerto Rico, Virgin Islands, American Samoa, and Guam; Represents all reported employment. Data are estimated. See also *Historical Statistics, Colonial Times to 1970*, series H 172-185]

ITEM	Unit	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
Workers with insured status ¹	Million	105.7	137.4	140.5	143.0	145.0	147.0	148.7	150.6	152.7	154.9
Male	Million	61.9	75.4	76.7	77.7	78.4	78.8	79.7	80.7	81.5	82.3
Female	Million	43.8	62.0	63.8	65.3	66.6	68.2	69.0	69.9	71.2	72.5
Under 25 years old	Million	17.7	25.5	25.7	25.3	24.4	23.1	22.3	21.9	21.3	20.6
25-34 years old	Million	22.3	34.9	36.3	37.3	38.0	39.7	39.9	40.0	40.6	40.9
35-44 years old	Million	19.0	22.4	23.1	24.3	25.9	27.2	28.5	29.8	31.2	32.4
45-54 years old	Million	19.0	18.6	18.6	18.6	18.6	18.6	19.0	19.3	19.8	20.8
55-59 years old	Million	7.8	9.2	9.3	9.2	9.2	9.1	9.1	9.0	8.9	8.8
60-64 years old	Million	6.3	7.9	8.1	8.3	8.4	8.6	8.7	8.8	8.7	8.7
65-69 years old	Million	5.1	6.7	6.8	7.0	7.1	7.1	7.3	7.5	7.6	7.8
70 years old and over	Million	8.5	12.1	12.6	13.0	13.4	13.4	13.9	14.3	14.7	15.1
Workers reported with—											
Taxable earnings ²	Million	93	112	112	111	112	116	120	123	125	128
Maximum earnings ³	Million	24	10	9	8	7	7	7	7	8	8
Earnings in covered employment	Bil. dol.	532	1,326	1,451	1,517	1,608	1,772	1,912	2,035	2,198	2,393
Reported taxable ²	Bil. dol.	416	1,176	1,294	1,365	1,454	1,609	1,724	1,844	1,960	2,106
Percent of total	Percent	78.2	88.7	89.2	90.0	90.4	90.8	90.2	90.6	89.2	88.0
Average per worker:											
Total earnings	Dollar	5,711	11,817	12,916	13,689	14,345	15,260	15,955	16,587	17,584	18,695
Taxable earnings ²	Dollar	4,464	10,500	11,554	12,287	12,982	13,871	14,367	14,982	15,680	16,453

¹ Fully insured for retirement and/or survivor benefits as of beginning of year. ² Includes self-employment. See table 586 for maximum taxable earnings.

Source of tables 584 and 585: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

No. 586. SOCIAL SECURITY (OASDHI)—CONTRIBUTION RATES: 1970 TO 1990

[As of January 1, except as noted. Effect of changes represents first full-year effect on contributions of changes in taxable wage base and combined tax rate. OASDI=Old-age, survivors, and disability insurance; HI=Hospital insurance]

YEAR	Annual maximum taxable earnings (dol.)	Maximum tax (dol.)	CONTRIBUTION RATES (percent)						Supplementary medical insurance, monthly rate (dol.)	EFFECT ON CONTRIBUTIONS OF CHANGES IN WAGE BASE AND/OR TAX RATE (bil. dol.)		
			Each employer and employee			Self-employed				Total	Wage base	Tax rate
			Total	OASDI	HI	Total	OASDI	HI				
1970	7,800	374	4.80	4.20	.60	6.90	6.30	.60	5.30	1.4	(*)	(*)
1975	14,100	826	5.85	4.95	.90	7.90	7.00	.90	6.70	(*)	1.4	(*)
1980	25,900	1,588	6.13	5.08	1.05	8.10	7.05	1.05	9.60	3.6	3.6	(*)
1981	29,700	1,975	6.85	5.35	1.30	9.30	8.00	1.30	11.00	16.9	4.2	12.7
1982	32,400	2,171	6.70	5.40	1.30	9.35	8.05	1.30	12.20	4.1	2.8	1.3
1983	35,700	2,392	6.70	5.40	1.30	9.35	8.05	1.30	12.20	3.1	3.1	(*)
1984	37,800	2,533	4.70	5.70	1.30	14.00	11.40	2.60	14.60	10.9	1.9	9.0
1985	39,600	2,792	7.05	5.70	1.35	14.10	11.40	2.70	15.50	3.4	1.7	1.7
1986	42,000	3,003	7.15	5.70	1.45	14.30	11.40	2.90	16.50	6.2	2.5	3.7
1987	43,800	3,132	7.15	5.70	1.45	14.30	11.40	2.90	17.90	2.2	2.2	(*)
1988	45,000	3,360	7.51	6.08	1.45	15.02	12.12	2.90	24.80	16.4	3.3	13.1
1989	46,000	3,605	8.06	6.08	1.45	15.02	12.12	2.90	31.90	4.1	4.1	(*)
1990	(*)	(*)	7.85	6.20	1.45	15.30	12.40	2.90	(NA)	(NA)	(NA)	(NA)

NA Not available. * Effective July 1. † No increase occurred. ‡ Employee's maximum tax; see footnote 4. § Employee pays 6.7 percent. ¶ Employee's additional 3 percent is supplied from general revenues. †† Self-employed pays 11.3 percent in 1984, 11.8 percent in 1985, 12.3 percent in 1986 and 1987, and 13.02 percent in 1988 and 1989. ††† The additional amount is supplied from general revenues. †††† \$4.5 billion of this increase was offset by employee tax credit. ††††† Will be adjusted by Federal law to reflect increasing average earnings levels.

Source: U.S. Social Security Administration, Annual Statistical Supplement to the Social Security Bulletin, and unpublished data.

No. 587. SOCIAL SECURITY TRUST FUNDS: 1970 TO 1988

[In millions of dollars, except percent. See also Historical Statistics, Colonial Times to 1970, series H 238-242]

TYPE OF TRUST FUND	1970	1980	1982	1983	1984	1985	1986	1987	1988
Old-age and survivors insurance (OASI):									
Net contribution income ¹	30,256	103,456	123,673	138,337	166,957	180,165	194,165	205,992	233,159
Transfers from general revenue ²	449	540	680	5,641	105	2,203	160	55	43
Interest received ³	1,515	1,845	845	6,706	2,566	1,871	3,069	4,660	7,568
Benefit payments ⁴	26,798	105,083	139,806	149,221	157,841	167,248	176,813	183,567	195,454
Assets, end of year	32,454	22,823	22,088	19,672	27,117	35,842	39,081	62,149	102,899
Reserve ratio ⁷ (percent)	111	21	16	13	17	21	22	33	52
Disability insurance (DI):									
Net contribution income ¹	4,481	13,255	21,995	17,891	16,135	17,413	18,637	19,655	22,100
Transfers from general revenue ²	16	130	174	1,121	-	1,017	-	-	-
Interest received ³	277	485	546	1,569	1,174	870	803	648	600
Benefit payments ⁴	3,085	15,515	17,376	17,524	17,898	18,827	19,853	20,519	21,895
Assets, end of year	5,614	9,629	2,691	5,195	3,959	6,321	7,780	6,658	6,864
Reserve ratio ⁷ (percent)	174	23	15	29	21	33	38	31	31
Hospital insurance (HI):									
Net contribution income ¹	4,881	23,866	34,610	38,169	42,468	47,703	54,717	58,780	62,570
Transfers from general revenue ¹⁰	874	871	1,015	2,756	752	-39	566	447	475
Interest received ³	158	1,149	2,022	3,285	3,150	3,362	3,619	4,874	6,255
Benefit payments ⁴	5,124	25,064	35,631	39,937	42,257	47,490	49,769	49,496	52,517
Assets, end of year	3,202	13,749	18,184	12,858	15,691	20,499	30,957	53,732	69,640
Reserve ratio ⁷ (percent)	61	54	23	32	36	42	79	107	131
Supplementary medical insurance (SMI):									
Net premium income	1,096	3,011	3,697	4,236	5,167	5,613	5,722	7,409	8,761
Transfers from general revenue	1,093	7,455	12,284	14,861	17,054	18,250	17,802	23,560	26,203
Interest received	12	408	599	725	959	1,243	1,141	875	861
Benefit payments	1,875	10,635	15,455	18,106	19,661	22,947	26,239	30,820	33,970
Assets, end of year	198	4,530	6,230	7,070	9,698	10,924	8,291	8,394	8,990
Reserve ratio ⁷ (percent)	8	40	38	37	47	46	30	26	26

- Represents zero. ¹ Includes deposits by States and deductions for refund of estimated employee-tax overpayment. Beginning in 1983, includes government contributions on deemed wage credits for military service in 1957 and later. Beginning 1984 includes tax credits on wages paid in 1984 and net earnings from self-employment in 1984-88; and taxation of benefits (OASI and DI, only). ² Includes payments (†) for costs of noncontributory wage credits for military service performed before 1957; (‡) in 1980 and 1982, for costs of deemed wage credits for military service performed after 1956; and, for OASI only, (3) for costs of benefits to certain uninsured persons who attained age 72 before 1968. ³ Beginning in 1983, includes interest on advance tax transfers and interest on reimbursement for unnegotiated checks. Data for 1983 and 1984 reflect interest on deemed wage credits for military service performed after 1956. Data for 1982-1986 reflect interest on interfund borrowing. ⁴ Includes payments for vocational rehabilitation services furnished to disabled persons receiving benefits because of their disabilities. Beginning in 1983, amounts reflect deductions for unnegotiated benefit checks. ⁵ Data adjusted to reflect 12 months of benefit payments. ⁶ Includes \$18 billion borrowed from the DI and HI Trust Funds. Repayments on Jan. 31, 1985, reduced such amounts to \$13.2 billion. ⁷ Assets at end of year as a percentage of benefit payments and administrative expenses during the year. ⁸ Excludes \$5 billion lent to the OASI Trust Fund. Repayment on Jan. 31, 1985, reduced the total to \$2.5 billion. ⁹ Beginning in 1980, includes premiums from aged ineligible enrolled in HI. ¹⁰ Represents Federal Government transfers from general-fund appropriations to meet costs of benefits for persons not insured for cash benefits under OASDI-HI or railroad retirement and for costs of benefits arising from military wage credits. ¹¹ Excludes \$12 billion lent to the OASI Trust Fund. Repayment on Jan. 31, 1985, reduced the total to \$10.6 billion. ¹² Data adjusted to reflect 12 months of premium and general revenue income.

Source: U.S. Social Security Administration, Annual Report of Board of Trustees, OASI, DI, HI, and SMI Trust Funds. Also published in Social Security Bulletin, monthly.

No. 588. SOCIAL SECURITY (OASDI)—BENEFITS, BY TYPE OF BENEFICIARY: 1970 TO 1988

[A person eligible to receive more than one type of benefit is generally classified or counted only once as a retired-worker beneficiary. OASDI—Old-age, survivors, and disability insurance. See also headline, table 585; Appendix III; and *Historical Statistics, Colonial Times to 1970, series H 197-229*]

TYPE OF BENEFICIARY	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
BENEFITS IN CURRENT-PAYMENT STATUS ¹ (end of year)										
Number of benefits (1,000).....	26,229	35,585	36,006	35,839	36,065	36,479	37,058	37,703	38,190	38,627
Retired workers ² (1,000).....	13,349	19,582	20,195	20,763	21,419	21,906	22,432	22,980	23,440	23,658
Disabled workers ³ (1,000).....	1,493	2,659	2,777	2,604	2,569	2,597	2,657	2,728	2,786	2,830
Wives and husbands ⁴ * (1,000).....	2,952	3,477	3,459	3,405	3,347	3,355	3,375	3,387	3,381	3,367
Children (1,000).....	4,122	4,607	4,430	3,883	3,593	3,408	3,319	3,296	3,244	3,204
Under age 18.....	3,315	3,423	3,206	2,934	2,812	2,729	2,699	2,665	2,604	2,534
Disabled children ⁵	271	450	463	472	488	506	528	545	561	574
Students ⁶	537	733	761	476	293	173	94	84	79	96
Of retired workers.....	546	939	893	558	512	477	457	450	439	432
Of deceased workers.....	2,688	2,610	2,546	2,321	2,146	2,010	1,917	1,878	1,837	1,809
Of disabled workers.....	899	1,358	1,252	1,004	936	921	945	966	969	983
Widowed mothers ⁷ (1,000).....	523	562	548	515	400	382	372	351	329	318
Widows and widowers ⁸ * (1,000).....	3,227	4,411	4,508	4,595	4,694	4,779	4,863	4,928	4,984	5,029
Parents ⁹ (1,000).....	29	15	14	12	11	10	10	9	8	7
Special benefits ⁹ (1,000).....	534	93	76	63	51	40	32	25	19	14
Average monthly benefit, current dollars:										
Retired workers ²	118	341	386	419	441	461	479	489	513	537
Retired worker and wife ²	199	567	(NA)	702	743	780	814	831	873	914
Disabled workers ³	131	371	413	441	456	471	484	488	508	530
Wives and husbands ⁴ *.....	59	164	186	203	217	227	236	241	253	265
Children of retired workers.....	45	140	161	165	176	186	198	204	216	228
Children of deceased workers.....	82	240	271	285	298	314	330	337	352	368
Children of disabled workers.....	39	110	123	128	136	139	142	141	146	151
Widowed mothers ⁷	87	246	277	303	309	322	332	338	353	368
Widows and widowers, nondisabled ⁸	102	311	349	379	396	415	433	444	468	493
Parents ⁹	103	276	310	335	350	364	378	386	407	428
Special benefits ⁹	45	105	116	125	129	134	138	140	145	151
Average monthly benefit, constant (1988) dollars: ¹⁰										
Retired workers ²	357	476	495	517	525	528	528	532	536	537
Retired worker and wife ²	603	792	(NA)	867	884	893	897	906	912	914
Disabled workers ³	397	518	529	544	542	539	534	532	530	530
Wives and husbands ⁴ *.....	179	229	238	251	258	260	260	263	264	265
Children of deceased workers.....	248	335	347	352	354	359	365	367	369	368
Widowed mothers ⁷	263	343	355	374	368	368	368	369	369	368
Widows and widowers, nondisabled ⁸	309	434	447	468	471	475	477	484	489	493
BENEFITS AWARDED DURING YEAR (1,000)										
Number of benefits.....	3,722	4,216	4,059	3,869	3,756	3,691	3,796	3,853	3,734	3,681
Retired workers ²	1,338	1,820	1,800	1,625	1,670	1,607	1,690	1,734	1,682	1,654
Disabled workers ³	350	389	345	299	311	362	377	417	416	409
Wives and husbands ⁴ *.....	436	469	437	430	436	425	440	441	411	391
Children.....	1,091	1,174	1,094	922	753	722	714	701	685	706
Widowed mothers ⁷	112	108	100	87	82	74	72	69	65	63
Widows and widowers ⁸ *.....	363	452	481	495	502	500	502	491	475	458
Parents ⁹	2	1	1	1	(2)	(2)	(2)	(2)	(2)	(2)
Special benefits ⁹	30	1	1	1	1	1	1	(2)	(2)	(2)
BENEFIT PAYMENTS DURING YEAR (mil. dol.)										
Total amount ¹¹	31,863	120,472	140,995	166,137	167,033	175,762	186,195	196,692	204,156	217,214
Monthly benefits ¹²	31,570	120,118	140,662	155,934	166,827	175,551	186,988	196,489	203,953	217,006
Retired workers ²	18,437	70,359	83,614	95,123	103,578	109,957	118,823	123,584	128,513	136,987
Disabled workers ³	2,448	12,817	14,379	14,810	15,196	15,623	16,483	17,409	18,053	19,165
Wives and husbands ⁴ *.....	2,194	7,043	8,228	9,191	9,934	10,396	11,061	11,700	12,190	12,820
Children.....	3,517	10,514	11,764	11,962	10,782	10,651	10,710	10,899	10,956	11,337
Under age 18.....	2,701	7,374	8,068	8,312	8,330	8,401	8,502	8,687	8,516	8,695
Disabled children ⁵	250	1,046	1,236	1,387	1,497	1,621	1,760	1,961	2,010	2,189
Students ⁶	586	2,093	2,461	1,602	955	629	447	251	429	453
Of retired workers.....	303	1,142	1,321	1,223	1,143	1,135	1,140	1,166	1,183	1,219
Of deceased workers.....	2,760	7,389	8,307	8,204	7,911	7,775	7,762	7,843	7,846	8,120
Of disabled workers.....	454	1,682	2,136	1,875	1,728	1,741	1,809	1,890	1,926	1,999
Widowed mothers ⁷	574	1,572	1,760	1,861	1,771	1,474	1,474	1,457	1,388	1,392
Widows and widowers ⁸ *.....	4,055	17,638	20,749	23,488	25,425	27,325	29,330	31,345	32,833	35,233
Parents ⁹	39	55	58	59	58	53	51	48	44	43
Special benefits ⁹	306	119	110	100	85	71	57	47	36	29
Lump sum.....	294	355	332	203	205	212	207	203	203	208

NA Not available. Z Fewer than 500. ¹ Benefit payment actually being made at a specified time with no deductions or with deductions amounting to less than a month's benefits; i.e., the benefits actually being received. ² 62 years and over.

³ Disabled workers under age 65. ⁴ Includes wife beneficiaries with entitled children in their care and entitled divorced wives.

⁵ 18 years old and over. Disability began before age 18 and, beginning 1973, before age 22. ⁶ Full-time students aged 18-21 through 1984 and aged 18 and 19 beginning 1985. ⁷ Includes surviving divorced mothers with entitled children in their care and beginning June 1975, widowed fathers with entitled children in their care. ⁸ Includes widows aged 60-61, surviving divorced wives aged 60 and over, disabled widows and widowers aged 50 and over; and beginning Jan. 1973, widowers aged 60-61. ⁹ Benefits for persons aged 72 and over not insured under regular or transitional provisions of Social Security Act.

¹⁰ Constant dollar figures are based on the consumer price index published by the U.S. Bureau of Labor Statistics; see table 762. ¹¹ Represents total disbursements of benefit checks by the U.S. Dept. of the Treasury during the years specified. ¹² Distribution by type estimated.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*, and unpublished data.

Social Security Beneficiaries

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No. 589. SOCIAL SECURITY (OASDI)—BENEFICIARIES, ANNUAL PAYMENTS, AND AVERAGE MONTHLY BENEFIT, 1970 TO 1988, AND BY STATE AND OTHER AREA, 1988

[Number of beneficiaries in current-payment status and average monthly benefit as of **December**. OASDI=Old-age, survivors, and disability insurance. See also headnote, table 588, and Appendix III]

YEAR, DIVISION, STATE, AND OTHER AREA	NUMBER OF BENEFICIARIES (1,000)				ANNUAL PAYMENTS (mil. dol.)			AVERAGE MONTHLY BENEFIT (dol.)			
	Total	Retired workers and dependents ¹	Survivors	Disabled workers and dependents	Total	Retired workers and dependents ¹	Survivors ²	Disabled workers and dependents	Retired workers ³	Disabled workers	Widows and widowers ⁴
1970	26,229	17,093	6,470	2,665	31,863	21,076	7,721	3,067	118	131	102
1980	35,585	23,309	7,598	4,678	120,472	78,025	27,010	15,437	341	371	311
1983	36,085	25,021	7,251	3,813	167,033	114,133	35,369	17,530	441	471	396
1984	36,479	25,474	7,182	3,822	175,762	121,023	36,839	17,900	461	471	415
1985	37,058	25,989	7,162	3,907	186,195	128,536	38,824	18,836	479	484	433
1986	37,703	26,541	7,166	3,995	196,692	135,949	40,896	19,847	489	488	444
1987	38,190	26,988	7,157	4,045	204,156	141,329	42,315	20,512	513	506	468
1988, total	38,827	27,390	7,163	4,074	217,214	150,526	44,996	21,692	537	530	493
United States	37,706	26,845	6,956	3,905	213,863	148,868	44,120	21,075	539	532	487
New England	2,090	1,570	335	186	12,270	9,013	2,248	1,009	(NA)	(NA)	(NA)
Maine	209	151	36	23	1,106	772	221	113	495	491	463
New Hampshire	155	117	24	14	896	662	160	74	539	524	507
Vermont	85	61	15	9	475	334	95	46	528	510	484
Massachusetts	951	712	154	85	5,540	4,041	1,037	462	539	519	511
Rhode Island	178	134	27	17	1,030	760	176	94	535	506	498
Connecticut	512	395	79	38	3,223	2,444	559	220	588	537	538
Middle Atlantic	6,201	4,540	1,098	584	37,821	27,056	7,462	3,303	(NA)	(NA)	(NA)
New York	2,807	2,047	493	273	17,181	12,358	3,236	1,597	575	555	518
New Jersey	1,205	897	204	105	7,562	5,524	1,413	625	586	554	530
Pennsylvania	2,196	1,596	414	186	13,068	9,174	2,813	1,081	555	551	512
East North Central	6,854	4,692	1,267	696	39,638	27,175	8,541	3,922	(NA)	(NA)	(NA)
Ohio	1,764	1,215	358	193	10,290	6,830	2,388	1,072	551	552	509
Indiana	891	625	167	99	5,283	3,624	1,117	542	562	548	512
Illinois	1,725	1,240	325	161	10,468	7,361	2,193	914	571	550	521
Michigan	1,453	1,010	279	164	8,806	5,938	1,905	963	573	581	521
Wisconsin	821	602	140	79	4,791	3,422	938	431	550	536	508
West North Central	2,968	2,170	540	256	16,540	11,733	3,458	1,349	(NA)	(NA)	(NA)
Minnesota	654	490	114	50	3,632	2,625	740	267	523	517	487
Iowa	517	362	84	41	2,846	2,106	622	218	540	522	495
Missouri	895	633	166	96	4,950	3,408	1,037	507	524	522	479
North Dakota	111	80	22	8	580	406	133	41	466	468	463
South Dakota	126	91	24	10	646	454	142	50	492	488	454
Nebraska	264	197	47	20	1,475	1,066	307	102	528	513	495
Kansas	401	297	73	31	2,311	1,670	477	164	548	514	502
South Atlantic	6,825	4,826	1,241	757	37,073	25,625	7,459	3,988	(NA)	(NA)	(NA)
Delaware	100	72	18	10	593	418	116	59	559	535	502
Maryland	581	426	114	51	3,407	2,370	736	301	536	541	496
District of Columbia	79	56	16	7	396	275	83	38	461	464	493
Virginia	801	549	157	95	4,255	2,824	938	493	503	514	447
West Virginia	365	223	85	57	1,994	1,172	299	299	530	564	480
North Carolina	1,029	699	195	129	5,303	3,581	1,064	658	496	493	421
South Carolina	517	339	103	75	2,665	1,727	584	275	487	486	413
Georgia	845	543	177	124	4,340	2,741	983	616	492	499	423
Florida	2,504	1,919	376	209	14,119	10,538	2,432	1,149	536	538	499
East South Central	2,556	1,826	552	377	12,847	7,977	3,047	1,823	(NA)	(NA)	(NA)
Kentucky	630	393	137	99	3,191	1,926	781	484	490	523	431
Tennessee	797	527	163	107	4,102	2,652	921	529	495	498	430
Alabama	687	436	155	96	3,477	2,149	654	474	489	505	422
Mississippi	442	270	87	75	2,077	1,250	491	336	458	483	385
West South Central	3,708	2,481	813	414	19,440	12,857	4,750	2,033	(NA)	(NA)	(NA)
Arkansas	458	303	80	65	2,268	1,462	494	312	477	501	414
Louisiana	632	379	156	97	3,213	1,872	883	458	498	531	441
Oklahoma	518	364	105	49	2,770	1,891	827	252	510	518	359
Texas	2,100	1,435	462	203	11,189	7,432	2,746	1,011	518	520	483
Mountain	1,824	1,321	314	189	10,068	7,113	1,961	984	(NA)	(NA)	(NA)
Montana	133	94	24	15	729	501	151	77	524	535	489
Idaho	151	112	25	14	827	595	160	72	523	531	484
Wyoming	59	42	11	6	332	233	70	29	541	530	496
Colorado	397	282	72	43	2,182	1,500	456	226	525	528	484
New Mexico	206	140	41	26	1,052	700	229	123	507	519	445
Arizona	552	410	87	54	3,115	2,262	552	301	544	557	489
Utah	180	132	32	16	1,009	725	204	80	546	534	503
Nevada	146	109	25	15	822	597	139	96	538	555	500
Pacific	4,883	3,616	798	467	28,188	20,318	5,194	2,654	(NA)	(NA)	(NA)
Washington	684	511	109	64	4,012	2,920	728	384	557	547	513
Oregon	473	359	74	40	2,737	2,015	492	230	547	544	507
California	3,553	2,615	588	349	20,481	14,685	3,812	1,984	548	537	503
Alaska	31	20	7	4	166	106	40	20	541	538	453
Hawaii	142	111	20	10	770	592	122	56	529	526	462
Puerto Rico	557	306	105	146	1,890	965	397	528	340	434	298
Guam	4	3	1	(2)	15	8	5	2	386	448	314
American Samoa	3	2	1	1	8	3	3	2	318	390	367
Virgin Islands	10	6	2	1	45	30	10	5	478	480	385
Northern Marianas	(2)	(2)	(2)	(1)	(2)	(NA)	(NA)	(NA)	444	500	300
Abroad	346	228	97	21	1,393	852	461	80	402	484	377

NA Not available. Z Less than 500. ¹ Includes special benefits; see footnote 9, table 588. ² Includes lump-sum payments to survivors of deceased workers. ³ Excludes persons with special benefits. ⁴ Nondisabled only.
 Source: U.S. Social Security Administration. Quarterly in *Social Security Bulletin*.

NO. 590. PENSION PLAN COVERAGE OF CIVILIAN WORKERS, BY WAGE OR SALARY INCOME: 1987

[Covers civilian workers as of March of following year who had earnings in year shown. Based on Current Population Survey; see text, section 1 and Appendix III]

SEX, AGE, RACE, AND HISPANIC ORIGIN	NUMBER WITH COVERAGE (1,000)					PERCENT OF TOTAL CIVILIAN WORKERS				
	Total ¹	\$5,000- \$14,999	\$15,000- \$24,999	\$25,000- \$34,999	\$35,000 and over	Total ¹	\$5,000- \$14,999	\$15,000- \$24,999	\$25,000- \$34,999	\$35,000 and over
Total ²	48,195	9,163	14,746	11,403	11,577	40.8	26.9	54.5	70.9	74.1
Male ³	28,189	3,012	6,996	7,822	9,878	45.1	21.9	49.6	69.7	74.1
15-24 years old.....	1,598	662	596	163	60	12.4	15.5	34.9	47.5	48.8
25-34 years old.....	7,777	921	2,503	2,433	1,842	42.8	20.2	45.7	63.5	64.6
35-44 years old.....	8,358	491	1,769	2,548	3,474	59.1	23.3	53.4	72.9	75.3
45-54 years old.....	6,021	416	1,126	1,579	2,961	65.6	32.6	58.8	76.3	79.7
55-64 years old.....	3,877	415	882	1,002	1,498	62.0	39.0	60.0	75.5	79.3
Female ³	20,007	6,151	7,750	3,581	1,699	36.0	30.3	59.8	73.6	73.8
15-24 years old.....	1,423	749	447	61	20	11.5	18.3	38.5	40.9	54.1
25-34 years old.....	6,148	1,838	2,630	1,044	417	38.8	30.7	56.2	66.8	70.1
35-44 years old.....	5,952	1,523	2,207	1,335	685	46.8	33.4	64.5	77.9	74.9
45-54 years old.....	3,823	1,041	1,533	781	374	47.3	35.0	66.2	77.4	77.0
55-64 years old.....	2,285	835	825	394	184	45.7	39.8	68.1	83.5	76.0
White.....	41,846	7,557	12,539	10,016	10,688	41.1	26.4	54.0	70.3	74.0
Black.....	4,837	1,350	1,799	1,086	490	38.9	30.7	59.1	78.3	76.0
Hispanic ⁴	2,457	658	846	513	357	28.7	18.9	45.7	66.5	66.1

¹ Includes workers with income under \$5,000, not shown separately. ² Includes other races, not shown separately.

³ Includes persons 65 years old and over, not shown separately. ⁴ Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, unpublished data.

NO. 591. ASSETS OF PRIVATE AND PUBLIC PENSION FUNDS, BY TYPE OF FUND: 1970 TO 1988

[In billions of dollars. As of end of year. Except for corporate equities, represents book value. Excludes Social Security trust funds, see table 587]

TYPE OF PENSION FUND	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total, all types.....	240.8	916.1	966.9	1,179.2	1,392.1	1,532.0	1,801.6	2,057.7	2,246.2	2,584.9
Private funds.....	153.0	641.6	686.5	818.7	968.8	1,045.5	1,248.1	1,418.7	1,539.7	1,771.8
Insured.....	41.0	172.0	199.8	242.9	286.4	331.6	400.0	476.9	538.9	631.7
Noninsured ¹	112.0	469.6	486.7	575.8	682.5	713.9	848.1	941.8	1,000.8	1,140.0
Corporate equities ²	67.9	230.6	222.6	266.2	320.8	317.5	412.3	482.8	486.8	542.5
U.S. Government securities.....	3.0	50.6	66.9	77.2	89.2	96.4	104.5	111.4	123.2	139.7
Corporate bonds ³	29.4	77.7	83.3	83.9	100.3	110.5	121.0	128.3	157.4	180.5
Other.....	11.7	110.7	113.9	142.5	172.4	189.5	210.3	219.3	233.4	277.3
Public funds.....	87.8	274.5	310.4	360.5	423.2	486.5	553.5	638.9	705.5	813.2
State and local government.....	60.3	198.1	224.2	282.5	311.2	356.6	404.7	469.4	517.0	605.1
Corporate equities ²	35.1	94.5	103.8	107.3	106.6	118.1	129.0	139.8	141.7	157.3
Corporate bonds ³	10.1	44.3	47.8	60.2	89.6	96.5	120.1	150.2	169.6	223.7
U.S. Government securities.....	6.6	40.0	51.8	71.2	88.2	111.2	123.5	144.2	168.7	185.6
Other.....	6.6	19.2	20.8	23.9	26.8	30.7	32.1	35.3	37.0	38.4
U.S. Government.....	27.5	76.4	86.2	97.9	112.0	130.0	148.8	169.6	188.4	208.1
Civil service ⁴	23.0	73.9	84.8	97.4	111.4	126.9	144.6	163.4	181.8	200.9
Railroad retirement.....	4.5	2.5	1.4	.5	.6	3.1	4.2	6.2	6.8	7.8

¹ Covers all pension funds of corporations, nonprofit organizations, unions, and multi-employer groups. Also includes deferred profit-sharing plans; excludes health, welfare, and bonus plans. ² Includes mutual fund shares. ³ Includes foreign bonds.

⁴ Includes U.S. Foreign Service Retirement and Disability Trust Fund and the Federal Employees Retirement System.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts, Assets and Liabilities Outstanding, 1957-83; Annual Statistical Digest*, and unpublished data.

NO. 592. INDIVIDUAL RETIREMENT ACCOUNTS (IRA) PLANS—VALUE, BY TYPE OF HOLDER: 1981 TO 1988

[As of December 31. Estimated]

TYPE OF HOLDER	AMOUNT (bil. dol.)								PERCENT DISTRIBUTION		
	1981	1982	1983	1984	1985	1986	1987	1988	1981	1986	1988
Total.....	26.1	62.4	91.3	132.1	199.7	277.1	333.8	393.0	100.0	100.0	100.0
Savings institutions.....	14.2	20.2	31.7	43.4	56.4	69.0	77.1	90.0	54.4	28.2	22.9
Commercial banks.....	5.8	13.6	26.5	37.2	51.5	67.0	77.0	88.0	22.2	25.8	22.4
Mutual funds.....	2.6	5.7	10.7	16.5	31.6	53.7	72.2	86.0	9.9	15.8	21.9
Self directed.....	(NA)	5.5	8.4	14.6	29.4	44.9	58.9	68.0	(NA)	14.7	17.3
Life insurance companies.....	3.3	5.8	9.0	12.6	16.9	22.0	26.0	36.0	12.6	8.5	9.1
Credit unions.....	.2	1.6	5.0	7.8	13.9	20.5	22.6	25.0	.8	7.0	6.4

NA Not available.

Source: Investment Company Institute, Washington, DC, *Mutual Fund Fact Book*, annual. (Copyright)

NO. 593. PUBLIC EMPLOYEE RETIREMENT SYSTEMS—BENEFICIARIES AND BENEFITS: 1970 TO 1986

[Number of beneficiaries as of end of year]

YEAR	Unit	Total	LEVEL OF GOVERNMENT				TYPE OF BENEFIT			
			Federal			State and local	Age and service	Disability	Survivor	
			Total ¹	Civil service	Armed Forces				Monthly	Lump-sum
Beneficiaries:										
1970	1,000	3,050	1,759	958	773	1,291	2,204	419	427	(x)
1975	1,000	4,428	2,480	1,372	1,073	1,948	3,243	549	636	(x)
1980	1,000	5,859	3,052	1,875	1,330	2,607	4,200	708	751	(x)
1984	1,000	6,896	3,422	1,910	1,458	3,274	5,123	737	836	(x)
1985	1,000	6,905	3,513	1,955	1,487	3,392	5,286	754	884	(x)
1986	1,000	7,101	3,582	2,008	1,517	3,519	5,498	692	912	(x)
Benefits:										
1970	Mil. dol.	9,355	6,075	2,820	3,133	3,280	7,210	1,312	645	189
1975	Mil. dol.	21,617	14,592	7,532	6,808	7,025	17,200	2,707	1,439	271
1980	Mil. dol.	41,060	28,042	15,065	12,478	13,018	32,416	5,371	2,896	377
1984	Mil. dol.	58,024	38,819	21,509	16,607	20,205	47,092	7,062	4,436	434
1985	Mil. dol.	63,499	40,998	22,840	17,416	22,501	50,672	7,513	4,770	544
1986	Mil. dol.	67,439	42,218	23,707	17,713	25,220	53,744	7,845	5,011	840

X Not applicable. ¹ Includes other Federal systems, not shown separately.

NO. 594. PUBLIC EMPLOYEE RETIREMENT SYSTEMS—AVERAGE ANNUAL BENEFITS PER ANNUITANT IN CURRENT AND CONSTANT (1987) DOLLARS: 1970 TO 1987

YEAR	ALL GOVERNMENTS				FEDERAL				STATE AND LOCAL			
	Total	Age and service	Disability	Survivor	Total	Age and service	Disability	Survivor	Total	Age and service	Disability	Survivor
CURRENT DOLLARS												
1970	3,005	3,271	3,136	1,512	3,440	4,065	3,174	1,446	2,413	2,452	2,965	1,667
1975	4,821	5,304	4,931	2,263	5,875	6,873	5,254	2,558	3,478	3,690	3,867	1,719
1980	7,190	7,719	7,588	3,855	9,181	10,529	8,324	4,481	5,029	5,821	2,624	1,624
1984	6,759	8,944	10,515	5,450	11,355	12,920	10,844	6,003	6,048	5,744	9,767	4,091
1985	9,117	9,822	9,858	5,385	11,659	13,301	11,053	6,150	6,486	6,637	7,491	3,826
1986	8,379	9,776	11,341	5,496	11,789	13,073	12,591	6,179	6,946	7,090	8,698	3,846
1987, est.	9,453	9,814	11,845	5,581	12,129	13,462	12,987	6,513	6,970	7,100	8,593	3,597
CONSTANT (1987) DOLLARS¹												
1970	8,371	9,112	8,735	4,212	9,582	11,323	8,844	4,028	6,722	6,830	8,259	4,644
1975	9,372	10,707	9,954	4,568	11,859	13,874	10,606	5,164	7,021	7,449	7,806	3,470
1980	9,922	10,652	10,471	5,320	12,669	14,529	11,486	6,183	6,705	6,940	8,032	3,621
1984	9,683	9,887	11,624	6,025	12,552	14,172	11,988	6,636	6,886	6,350	10,797	4,522
1985	9,745	10,285	10,645	5,767	12,462	14,217	11,814	6,574	6,933	7,094	8,007	4,020
1986	9,806	10,221	11,857	5,746	12,304	13,668	13,164	6,460	7,262	7,413	9,094	4,091
1987, est.	9,453	9,814	11,845	5,581	12,129	13,462	12,987	6,513	6,970	7,100	8,593	3,597

¹ Constant dollar figures are based on implicit price deflators for personal consumption expenditures supplied by U.S. Bureau of Economic Analysis.Source of tables 593 and 594: U.S. Social Security Administration, *Social Security Bulletin*, May 1989; and unpublished data.

NO. 595. FEDERAL CIVIL SERVICE RETIREMENT: 1970 TO 1988

[As of end of fiscal year or for fiscal year ending in year shown; see text, section 9. See also *Historical Statistics, Colonial Times to 1970*, series H 262-270]

ITEM	Unit	1970	1975	1980	1983	1984	1985	1986	1987	1988
Employees covered	1,000	2,650	2,670	2,720	2,860	2,860	2,750	2,800	2,810	2,800
Annuitants, total	1,000	958	1,372	1,675	1,870	1,910	1,955	2,008	2,032	2,069
Age and service	1,000	477	732	905	1,045	1,082	1,122	1,166	1,186	1,237
Disability	1,000	185	258	343	343	338	332	328	318	311
Survivors	1,000	296	382	427	482	490	501	516	528	541
Receipts, total ¹	Mil. dol.	4,683	11,377	24,389	34,772	36,734	40,790	43,216	43,640	46,561
Employee contributions	Mil. dol.	1,740	2,534	3,686	4,399	4,608	4,679	4,714	4,641	4,544
Federal government contributions	Mil. dol.	1,952	6,707	15,582	20,615	20,848	22,301	22,980	23,144	24,258
Disbursements, total ²	Mil. dol.	2,752	7,207	14,977	20,889	21,951	23,203	24,694	25,772	26,306
Age and service annuitants ³	Mil. dol.	2,129	6,052	12,639	17,802	18,403	19,414	20,702	21,678	23,889
Survivors	Mil. dol.	389	908	1,912	2,783	2,943	3,158	3,304	3,485	3,749
Average monthly benefit:										
Age and service	Dollars	362	620	992	1,150	1,149	1,189	1,197	1,267	1,263
Disability	Dollars	221	406	723	851	851	881	881	893	930
Survivors	Dollars	116	209	392	486	501	528	536	552	584
Cash and security holdings	Bil. dol.	22.4	38.4	73.7	110.0	124.7	142.3	160.8	178.7	197.2

¹ Includes interest on investments.² Includes refunds, death claims, and administration.³ Includes disability annuitants.Source: U.S. Office of Personnel Management, *Compensation Report*, annual.

No. 596. STATE AND LOCAL GOVERNMENT RETIREMENT SYSTEMS—BENEFICIARIES AND FINANCES: 1970 TO 1987

[In millions of dollars, except as indicated. For fiscal years closed during the 12 months ending June 30]

YEAR AND LEVEL OF GOVERNMENT	Number of beneficiaries (1,000)	RECEIPTS					BENEFITS AND WITHDRAWALS			Cash and security holdings
		Total	Employee contributions	Government contributions		Earnings on investments	Total	Benefits	Withdrawals	
				State	Local					
1970: All systems	(NA)	9,848	2,788	2,046	2,554	2,460	3,638	3,037	601	54,918
State-administered.....	(NA)	7,184	2,149	1,978	1,237	1,821	2,382	1,913	469	39,966
Locally administered.....	(NA)	2,664	639	67	1,318	639	1,256	1,124	132	14,952
1980: All systems	(NA)	37,313	6,466	7,581	9,951	13,315	14,008	12,207	1,801	185,226
State-administered.....	(NA)	28,603	5,285	7,399	5,611	10,308	10,257	8,809	1,448	144,682
Locally administered.....	(NA)	8,710	1,180	181	4,340	3,008	3,752	3,399	353	40,544
1985: All systems	3,378	71,262	9,468	12,227	15,172	34,546	24,413	21,999	2,414	374,493
State-administered.....	2,661	55,791	7,901	11,976	8,944	27,139	18,230	16,183	2,047	286,951
Locally administered.....	716	15,470	1,567	251	6,226	7,407	6,183	5,816	367	77,481
1987: All systems	3,698	99,381	11,241	13,500	16,884	57,756	29,694	27,886	2,308	512,854
State-administered.....	2,952	77,706	9,428	13,199	10,059	45,021	22,189	20,537	1,652	407,953
Locally administered.....	745	21,674	1,814	301	6,825	12,735	7,505	6,849	656	104,901

NA Not available.

Source: U.S. Bureau of the Census, *Finances of Employee-Retirement Systems of State and Local Governments*, series GF, No. 2, annual and *Census of Governments, 1987, Vol. 4, No. 6, Employee Retirement Systems of State and Local Governments*.

No. 597. STATE UNEMPLOYMENT INSURANCE—SUMMARY: 1970 TO 1988

[See headnote, table 598]

ITEM	Unit	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
Insured unemployment, avg. weekly.....	1,000	1,805	3,350	3,047	4,061	3,396	2,476	2,611	2,641	2,330	2,081
Percent of covered employment ¹	Percent	3.4	3.9	3.5	4.6	3.9	2.8	2.9	2.8	2.3	2.1
Percent of civilian unemployed.....	Percent	44.1	43.9	36.8	38.0	31.7	29.0	31.4	32.1	31.4	31.1
Unemployment benefits, avg. weekly.....	Dollars	50	99	107	119	124	123	127	135	140	145
Percent of weekly wage.....	Percent	35.6	37.5	35.6	37.2	37.8	35.8	35.3	35.8	35.3	35.4
Weeks compensated.....	Million	78.9	149.0	135.9	185.3	155.5	111.6	119.3	121.4	105.2	94.2
Beneficiaries, first payments.....	1,000	6,402	10,001	9,401	11,648	8,907	7,765	8,350	8,361	7,205	6,835
Average duration of benefits ³	Weeks	12.3	14.9	14.5	15.9	17.5	14.4	14.3	14.5	14.6	13.8
Claimants exhausting benefits.....	1,000	1,295	3,072	2,989	4,175	4,180	2,600	2,575	2,688	2,409	2,334
Percent of first payment ⁴	Percent	24.4	33.2	32.4	38.5	38.4	34.1	31.3	32.1	30.6	28.5
Contributions collected ⁵	Bill. dol.	2.5	11.4	11.7	12.2	14.6	18.8	19.3	18.1	17.6	17.7
Benefits paid.....	Bill. dol.	3.8	13.8	13.3	20.7	17.8	12.6	14.0	15.4	14.2	13.2
Funds available for benefits ⁶	Bill. dol.	11.9	11.4	11.6	7.5	7.3	11.6	16.0	19.6	23.2	33.9
Average employer contribution rate ⁷	Percent	1.3	2.5	2.4	2.5	2.8	3.2	3.1	2.7	2.6	2.5

¹ Insured unemployment as percent of average covered employment in preceding year. ² Preliminary. ³ Weeks compensated divided by first payment. ⁴ Based on first payments for 12-month period ending June 30. ⁵ Contributions from employers; also employees in States which tax workers. ⁶ End of year. Sum of balances in State clearing accounts, benefit-payment accounts, and State accounts in Federal unemployment trust funds. ⁷ As percent of taxable wages.

No. 598. STATE UNEMPLOYMENT INSURANCE, BY STATE AND OTHER AREAS: 1988

[Includes unemployment compensation for State and local government employees where covered by State law. For State data on insured unemployment, see table 598. See also *Historical Statistics, Colonial Times to 1970*, series H 305-317]

STATE	Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)	Avg. weekly unemployment benefits (dol.)	STATE	Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)	Avg. weekly unemployment benefits (dol.)	STATE	Beneficiaries, first payments (1,000)	Benefits paid (mil. dol.)	Avg. weekly unemployment benefits (dol.)
Total	6,835	13,182	145	KY.....	104	148	115	OH.....	292	577	151
AL.....	147	141	101	LA.....	118	224	126	OK.....	59	108	143
AK.....	36	86	157	ME.....	35	49	140	OR.....	103	187	147
AZ.....	38	122	114	MD.....	90	182	158	PA.....	379	842	164
AR.....	84	123	126	MA.....	185	526	198	RI.....	41	81	167
CA.....	968	1,689	122	MI.....	333	958	184	SC.....	85	85	111
CO.....	84	173	158	MN.....	113	301	181	SD.....	9	13	121
CT.....	97	183	179	MS.....	73	86	101	TN.....	155	183	105
DE.....	20	41	170	MO.....	146	223	120	TX.....	357	790	159
DC.....	20	67	188	MT.....	29	38	131	UT.....	35	67	157
FL.....	163	288	140	NE.....	31	42	117	VT.....	15	24	133
GA.....	195	222	129	NV.....	35	63	146	VA.....	126	136	135
HI.....	22	48	168	NH.....	19	12	125	WA.....	175	364	152
ID.....	38	58	136	NJ.....	239	613	180	WV.....	52	102	141
IL.....	285	732	152	NY.....	31	60	122	WI.....	165	286	149
IN.....	108	122	104	NY.....	461	1,092	143	WY.....	12	29	159
IA.....	67	119	150	NC.....	208	190	133	PR.....	75	89	77
KS.....	70	149	162	ND.....	17	29	132	VI.....	2	3	121

Source of tables 597 and 598: U.S. Employment and Training Administration, *Unemployment Insurance Statistics, and Annual Report of the Secretary of Labor*.

NO. 599. WORKERS' COMPENSATION PAYMENTS: 1970 TO 1987

[In millions of dollars, except as indicated. See headline, table 600. See also *Historical Statistics, Colonial Times to 1970*, series H 332-345]

ITEM	1970	1975	1979	1980	1981	1982	1983	1984	1985	1986	1987
Workers covered ¹ (mil.).....	59	67	79	79	78	77	78	82	84	86	88
Premium amounts paid	4,894	8,972	20,343	22,256	23,014	22,764	23,030	25,122	26,190	33,911	(NA)
Private carriers.....	3,578	6,344	14,330	15,744	16,164	15,398	15,384	16,632	19,500	22,771	25,446
State funds.....	699	1,278	3,009	3,008	2,900	2,640	2,695	2,975	3,518	4,454	(NA)
Federal programs ²	152	435	1,017	1,142	1,174	1,509	1,458	1,569	1,721	1,771	1,771
Self-insurers.....	465	916	1,987	2,363	2,776	3,217	3,493	3,946	4,451	4,915	5,541
Annual benefits paid	3,031	6,598	12,027	13,618	15,054	16,407	17,575	19,685	22,224	24,647	27,390
By private carriers ³	1,843	3,422	6,157	7,029	7,876	8,647	9,265	10,610	12,341	13,927	15,453
From State funds ⁴	755	2,324	4,022	4,330	4,595	4,768	5,061	5,376	5,743	6,246	6,782
Employers' self-insurance ⁵	432	852	1,848	2,259	2,583	2,993	3,249	3,700	4,140	4,572	5,154
Type of benefit:											
Medical/hospitalization.....	1,050	2,030	3,520	3,947	4,431	5,058	5,681	6,424	7,501	8,654	9,940
Compensation payments.....	1,981	4,568	8,507	9,679	10,623	11,349	11,894	13,261	14,723	15,993	17,450
Disability.....	1,751	3,843	7,232	8,359	9,224	9,862	10,365	11,666	13,064	14,348	15,817
Survivor.....	230	725	1,275	1,312	1,399	1,486	1,509	1,595	1,659	1,645	1,633
Percent of covered payroll:											
Workers' compensation costs ⁶	1.11	1.32	1.85	1.96	1.85	1.75	1.67	1.64	1.80	1.97	2.06
Benefits ⁷.....	.66	.83	1.01	1.07	1.08	1.16	1.17	1.21	1.30	1.37	1.43

NA Not available. ¹ Estimated per month. ² Includes Federal employer compensation program and that portion of Federal black lung benefits program financed from employer contributions. ³ Net cash and medical benefits paid under standard workers' compensation policies. ⁴ Net cash and medical benefits paid by competitive and exclusive State funds and by Federal workers' compensation programs, including black lung benefit program. ⁵ Cash and medical benefits paid by self-insurers, plus value of medical benefits paid by employers carrying workers' compensation policies that exclude standard medical coverage. ⁶ Premiums written by private carriers and State funds, and benefits paid by self-insurers increased by 5-10 percent to allow for administrative costs. Also includes benefits paid and administrative costs of Federal system for government employees. ⁷ Excludes programs financed from general revenue—black lung benefits and supplemental pensions in some States.

Source: U.S. Social Security Administration, *Annual Statistical Supplement to the Social Security Bulletin*.

NO. 600. WORKERS' COMPENSATION PAYMENTS, BY STATE: 1980 TO 1987

[In millions of dollars. Calendar-year data, except fiscal-year data for Federal civilian and other programs and for a few States with State funds. Payments represent cash and medical benefits and include insurance losses paid by private insurance carriers (compiled from the *Spectator (Insurance by States . . . of Casualty Lines)*, from reports of State insurance commissions, and from A. M. Best Co.); net disbursements of State funds (from the *Spectator*, from *Argus Casualty and Surety Chart*, and from State reports), estimated for some States; and self-insurance payments, estimated from available State data. Includes benefit payments under Longshoremen's and Harbor Workers' Compensation Act and Defense Bases Compensation Act for States in which such payments are made]

STATE	1980	1984	1985	1986	1987	STATE	1980	1984	1985	1986	1987
Total	13,618	19,685	22,224	24,647	27,390	Nevada.....	69	106	123	149	180
Alabama.....	112	166	203	244	274	New Hampshire.....	48	77	91	110	128
Alaska.....	60	93	109	129	139	New Jersey.....	316	444	501	547	627
Arizona.....	120	165	198	210	222	New Mexico.....	54	114	140	148	146
Arkansas.....	83	134	129	143	160	New York.....	637	858	985	1,103	1,207
California.....	1,628	2,655	3,243	3,745	4,251	North Carolina.....	131	201	236	245	272
Colorado.....	114	251	284	355	402	North Dakota.....	17	29	33	38	44
Connecticut.....	147	266	305	347	434	Ohio.....	776	1,259	1,367	1,457	1,582
Delaware.....	21	36	41	46	51	Oklahoma.....	127	266	299	294	289
District of Columbia...	69	74	74	76	87	Oregon.....	275	346	396	452	510
Florida.....	362	685	815	979	1,178	Pennsylvania.....	572	888	998	1,101	1,272
Georgia.....	185	296	360	427	510	Rhode Island.....	55	85	97	113	143
Hawaii.....	60	122	133	135	137	South Carolina.....	79	128	152	162	186
Idaho.....	37	56	66	67	70	South Dakota.....	13	21	26	28	36
Illinois.....	699	825	912	993	1,068	Tennessee.....	129	175	204	234	289
Indiana.....	110	134	152	171	202	Texas.....	701	1,293	1,564	1,635	2,074
Iowa.....	99	120	121	131	141	Utah.....	39	66	80	92	126
Kansas.....	84	126	142	157	175	Vermont.....	15	25	30	35	41
Kentucky.....	161	194	225	245	274	Virginia.....	182	243	276	313	354
Louisiana.....	301	431	466	485	544	Washington.....	324	627	619	629	678
Maine.....	81	170	194	245	277	West Virginia.....	176	249	285	322	355
Maryland.....	187	272	306	328	374	Wisconsin.....	170	239	287	327	369
Massachusetts.....	298	451	510	638	734	Wyoming.....	22	48	47	50	45
Michigan.....	628	733	769	793	885	Federal programs:					
Minnesota.....	260	374	453	478	490	Civilian					
Mississippi.....	60	83	98	122	137	employees.....	776	1,004	1,055	1,116	1,146
Missouri.....	124	195	237	270	320	Black lung					
Montana.....	41	79	102	123	138	benefits ¹	1,739	1,641	1,603	1,582	1,545
Nebraska.....	42	61	68	76	88	Other ²	8	9	7	9	8

¹ Includes payments by Social Security Administration and by Department of Labor. ² Primarily payments made to dependents of reservists who died while on active duty in the Armed Forces.

Source: U.S. Social Security Administration, *Social Security Bulletin*, July 1988 and March 1989 and unpublished data.

NO. 601. BLACK LUNG BENEFIT PROGRAM—BENEFICIARIES AND PAYMENTS: 1975 TO 1988

[In thousands, except as indicated. Benefits payable to miners disabled because of pneumoconiosis and to their dependents and survivors as a result of Federal Coal Mine Health and Safety Act of 1969 and subsequent amendments and revisions. Claims by miners or their survivors are handled by the Social Security Administration (SSA) or the Department of Labor, depending upon the date the claim was filed. Claims filed by a miner by June 30, 1973, and those filed by survivors by December 31, 1973 were processed by SSA. Benefits under the program as administered by SSA are paid out of Federal general tax revenues. Claims filed by a miner between July 1 and December 31, 1973 and all claims filed after December 1973 were processed by Department of Labor and are paid by either a responsible mine operator or the Department of Labor]

TYPE OF BENEFICIARY	SOCIAL SECURITY ADMINISTRATION						DEPARTMENT OF LABOR					
	1975	1980	1985	1986	1987	1988	1975	1980	1985	1986	1987	1988
Beneficiaries, total ¹	482	399	295	276	259	242	(NA)	139	160	156	153	149
Miners.....	165	120	78	70	64	57	(NA)	53	61	59	57	54
Widows.....	139	147	138	135	132	127	(NA)	27	38	39	40	42
Dependents ²	177	139	79	70	64	57	(NA)	59	61	57	55	52
Payments (mil. dol.).....	950	1,030	1,025	971	940	900	10	707	583	574	602	595

NA Not available. ¹As of end of year. ²Dependent wife or child or surviving child, parent, brother, or sister.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly; and U.S. Department of Labor, Employment Standards Administration, *Black Lung Benefits Act, Annual Report*.

NO. 602. PERSONS WITH WORK DISABILITY, BY SELECTED CHARACTERISTICS: 1988

[In thousands, except percent. As of March. Covers civilian noninstitutional population and members of Armed Forces living off post or with their families on post. Persons are classified as having a work disability if they (1) have a health problem or disability which prevents them from working or which limits the kind or amount of work they can do; (2) have a service-connected disability or ever retired or left a job for health reasons; (3) did not work in survey reference week or previous year because of long-term illness or disability; or (4) are under age 65, and are covered by Medicare or receive Supplemental Security Income. Based on Current Population Survey; see text, section 1 and Appendix III]

AGE AND PARTICIPATION STATUS IN ASSISTANCE PROGRAMS	Total ¹	Male	Female	White	Black	Hispanic ²
Persons with work disability	13,420	6,706	6,714	10,544	2,512	1,011
16-24 years old.....	1,285	674	610	963	291	125
25-34 years old.....	2,414	1,249	1,165	1,874	464	189
35-44 years old.....	2,455	1,308	1,147	1,957	433	217
45-54 years old.....	2,443	1,190	1,252	1,852	502	190
55-64 years old.....	4,825	2,285	2,540	3,898	822	290
Percent work disabled of total population	8.6	8.7	8.4	7.9	13.7	8.2
16-24 years old.....	3.8	4.1	3.6	3.5	6.1	3.7
25-34 years old.....	5.6	5.9	5.4	5.2	8.8	5.0
35-44 years old.....	7.1	7.7	6.5	6.6	11.7	8.3
45-54 years old.....	10.3	10.3	10.2	9.1	20.1	12.8
55-64 years old.....	22.3	22.4	22.2	20.4	39.6	25.4
Percent of work disabled—						
Receiving Social Security income.....	29.5	31.9	27.2	29.7	30.0	23.4
Receiving food stamps.....	18.8	15.7	22.0	14.4	37.0	31.5
Covered by Medicaid.....	21.6	18.1	25.2	17.8	37.0	32.8
Residing in public housing.....	4.6	3.3	6.0	2.5	12.7	7.3
Residing in subsidized housing.....	2.9	1.9	3.9	2.5	4.5	3.9

¹ Includes other races not shown separately. ² Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Report*, series P-23, No. 160.

NO. 603. VOCATIONAL REHABILITATION—SUMMARY: 1970 TO 1988

[For fiscal years ending in year shown; see text, section 9. Includes Puerto Rico, Guam, Virgin Islands, American Samoa, Northern Mariana Islands and Trust Territory of the Pacific Islands. Vocational rehabilitation of the disabled defined as restoration, preservation, or development of the ability to function in productive activity. Rehabilitation services provided by State vocational rehabilitation agencies with matching State and Federal funds include medical restoration, training, counseling, guidance, and placement services. See also *Historical Statistics, Colonial Times to 1970*, series H 392-397]

ITEM	Unit	1970	1975	1980	1983	1984	1985	1986	1987	1988
Federal and State expenditures ¹	Mil. dol.....	558	867	² 1,078	1,254	1,366	1,452	1,506	1,649	1,776
Federal expenditures.....	Mil. dol.....	432	673	² 817	937	1,038	1,100	1,144	1,275	1,373
Applicants processed for program eligibility.....	1,000.....	608	837	717	602	594	594	594	594	606
Percent accepted into program.....	Percent.....	68	64	58	58	59	60	58	58	58
Total persons rehabilitated ³	1,000.....	267.0	324.0	277.1	216.2	225.8	227.7	223.4	219.6	218.2
Rehabilitation rate ⁴	Percent.....	77	70	64	62	63	64	64	63	63
Severely disabled persons rehabilitated ⁵	1,000.....	(NA)	115.7	142.5	124.2	132.7	135.2	135.3	136.4	141.0
Rehabilitation rate ⁴	Percent.....	(NA)	(NA)	61	59	61	62	62	62	62
Percent of total persons rehabilitated.....	Percent.....	(NA)	36	51	57	58	59	61	62	65
Persons served total ⁶	1,000.....	876	1,244	1,095	939	936	932	924	917	919
Persons served, severely disabled ⁵	1,000.....	(NA)	(NA)	608	562	565	581	580	584	602
Percent of total persons served.....	Percent.....	(NA)	(NA)	55	60	60	62	63	64	66

NA Not available. ¹Includes expenditures only under the basic support provisions of the Rehabilitation Act. ²Estimates based on amounts appropriated. ³Persons successfully placed into gainful employment. ⁴Persons rehabilitated as a percent of all active case closures (whether rehabilitated or not). ⁵Severely disabled individuals fall into any of the following three categories: (a) clients with specified major disabling conditions such as blindness and deafness; (b) clients who at any time in the vocational rehabilitation process had been Social Security disability beneficiaries or recipients of Supplemental Security Income; and (c) other individuals with substantial loss in conducting certain specified activities. ⁶Includes active cases accepted for rehabilitation services during year plus active cases on hand at beginning of year.

Source: U.S. Dept. of Education, Rehabilitation Services Administration, *Caseload Statistics of State Vocational Rehabilitation Agencies in Fiscal Years*, and *State Vocational Rehabilitation Agency Program Data in Fiscal Years*, both annual.

NO. 604. PROTECTION AGAINST SHORT-TERM SICKNESS INCOME LOSS: 1970 TO 1987

[In millions of dollars, except percent. "Short-term sickness" refers to short-term or temporary nonwork-connected disability (lasting not more than 6 months) and the first 6 months of long-term disability. See also *Historical Statistics, Colonial Times to 1970*, series H 115-124]

ITEM	1970	1980	1981	1982	1983	1984	1985	1986	1987
Short-term sickness: Income loss.....	16,757	38,529	41,278	45,201	48,565	54,419	59,145	62,051	66,156
Total protection provided ¹	5,888	14,428	15,113	16,251	16,395	17,904	19,623	20,045	22,325
Protection as percent of loss.....	35.1	37.4	36.6	36.0	33.8	32.9	33.2	32.3	33.7
Benefits provided by protection:									
Individual insurance.....	694	1,280	1,291	1,595	1,152	1,410	1,796	1,774	2,062
Group benefits to workers in private employment.....	2,952	7,633	8,011	8,498	8,614	9,115	9,897	10,011	11,474
Private cash insurance ²	1,476	3,271	2,959	2,931	2,708	2,507	2,601	2,268	2,798
Publicly operated cash sickness funds ³	411	770	953	987	1,008	968	1,179	1,255	1,700
Sick leave.....	1,066	3,593	4,099	4,581	4,999	5,640	6,116	6,488	6,976
Sick leave for government employees.....	2,242	5,338	5,641	6,026	6,490	7,218	7,736	8,066	8,582

¹ Provided by individual insurance, group benefits to workers in private employment, and sick leave for government employees. Beginning 1980 includes benefits for the sixth month of disability payable under old-age, survivors, disability, and health insurance program, not shown separately. ² Group accident and sickness insurance and self-insurance privately written either on a voluntary basis or in compliance with State temporary disability insurance laws in CA, HI, NJ, and NY. Includes a small but undetermined amount of group disability insurance benefits paid to government workers and to self-employed persons through farm, trade, or professional associations. ³ Includes State-operated plans in RI, CA, and NJ; State Insurance Fund and special fund for disabled unemployed in New York; and provisions of Railroad Unemployment Insurance Act.

Source: U.S. Social Security Administration, *Social Security Bulletin*, May 1986 and unpublished data.

NO. 605. FEDERAL FOOD PROGRAMS: 1970 TO 1988

[For fiscal years ending in year shown; see text, section 9. Program data include Puerto Rico, Virgin Islands, Guam, American Samoa, and the Trust Territory when a Federal food program was operated in these areas. All participation data are average monthly figures except as noted. Participants are not reported for the special milk program, the nutrition program for the elderly, and the commodity distribution programs. Cost data are direct Federal benefits to recipients; they exclude Federal administrative payments and applicable State and local contributions. Federal costs for commodities and cash-in-lieu of commodities are shown separately from direct cash benefits for those programs receiving both]

PROGRAM	Unit	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
Food Stamp:											
Participants.....	Million.....	4.3	21.1	22.4	21.2	20.9	19.9	19.4	19.1	18.6	18.6
Federal cost.....	Mil. dol.....	550	8,721	10,630	10,208	11,152	10,696	10,744	10,605	10,500	11,149
Nutrition assistance program for Puerto Rico: ¹											
Federal cost.....	Mil. dol.....	(x)	(x)	(x)	206	825	825	825	820	853	879
National school lunch program (NSLP): ²											
Free lunches served.....	Million.....	739	1,671	1,737	1,622	1,714	1,702	1,657	1,678	1,656	1,652
Reduced-price lunches served.....	Million.....	(NA)	308	312	262	253	248	255	257	259	262
Children participating ³	Million.....	22.4	26.6	25.8	22.9	23.0	23.4	23.6	23.7	23.9	24.2
Federal cost.....	Mil. dol.....	300	2,279	2,381	2,185	2,402	2,508	2,578	2,714	2,797	2,908
School breakfast (SB):											
Children participating ³	Million.....	.5	3.6	3.8	3.3	3.4	3.4	3.4	3.5	3.6	3.7
Federal cost.....	Mil. dol.....	11	288	332	317	344	384	379	406	447	474
Special school milk:											
Quantity reimbursed.....	Mil. 1/2 pt.....	2,902	1,795	1,533	202	189	174	167	162	163	194
Federal cost.....	Mil. dol.....	101	145	101	18	17	16	16	15	15	19
Women-infant-children: ⁴											
Participants.....	Million.....	(x)	2.0	2.2	2.3	2.7	3.2	3.3	3.5	3.6	3.8
Federal cost.....	Mil. dol.....	(x)	603	729	785	937	1,156	1,295	1,304	1,379	1,484
Child care feeding (CC): ⁵											
Children participating ⁶	Million.....	.1	.7	.8	.8	.9	1.0	1.0	1.1	1.2	1.3
Federal cost.....	Mil. dol.....	6	207	303	290	305	348	390	427	476	537
Summer feeding (SF): ⁷											
Children participating ⁸	Million.....	.2	1.9	1.9	1.4	1.4	1.4	1.5	1.5	1.6	1.6
Federal cost.....	Mil. dol.....	2	106	101	81	95	94	101	106	114	118
Needy family commodity:											
Participants.....	Million.....	3.8	.1	.1	.1	.1	.1	.1	.1	.1	.1
Federal cost.....	Mil. dol.....	282	24	29	33	35	40	47	49	49	47
Nutrition program for the elderly:											
Meals served.....	Million.....	(x)	166	185	189	201	213	225	228	232	241
Federal cost.....	Mil. dol.....	(x)	75	94	101	120	127	134	137	139	145
Federal cost of commodities donated to: ⁹											
Child nutrition (NSLP, CC, SF and SB).....	Mil. dol.....	265	930	922	795	799	853	840	869	919	852
Charitable institutions, summer camps.....	Mil. dol.....	23	71	78	111	151	190	170	240	158	153
Emergency feeding ¹⁰	Mil. dol.....	(x)	(x)	(x)	180	1,002	1,032	973	846	846	594

NA Not available. X Not applicable. ¹ Puerto Rico was included in the food stamp program until June 30, 1982. ² See headline, table 606. ³ Nine month (September through May) average daily meals (lunches or breakfasts) served divided by the ratio of average daily attendance to enrollment. ⁴ Covers special supplemental food program (WIC) and commodity supplemental food program; excludes elderly persons served by the commodity supplemental food program. ⁵ Program provides year-round subsidies to feed preschool children in child care centers and family day care homes. ⁶ Annual average daily attendance at participating institutions. ⁷ Program provides free meals to children in poor areas during summer months. ⁸ Peak month (July) average daily attendance at participating institutions. ⁹ Includes the Federal cost of commodity entitlements, cash-in-lieu of commodities, and bonus foods. ¹⁰ Provides free commodities to needy persons for home consumption through food banks, hunger centers, soup kitchens, and similar non-profit agencies.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual; and unpublished data.

No. 606. FEDERAL FOOD STAMP AND NATIONAL SCHOOL LUNCH PROGRAMS, BY STATE:
1980 AND 1988

[Cost data for years ending Sept. 30. Food stamp participants, as of Sept. 30; food stamp households, average monthly number participating in year ending Sept. 30. Data on pupils participating in National School Lunch Program are for month in which most pupils participated nationwide. For National School Lunch Program, covers public and private elementary and secondary schools and residential child care institutions. National School Lunch Program costs include Federal cash reimbursements at rates set by law for each meal served but do not include the value of USDA donated commodities utilized in this program. For comparison of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	FOOD STAMP PROGRAM						NATIONAL SCHOOL LUNCH PROGRAM			
	Households participating, 1988		Persons (1,000)		Cost (mil. dol.)		Persons (1,000)		Cost (mil. dol.)	
	Number (1,000)	Per-cent of all house-holds	1980	1988	1980	1988	1980	1988	1980	1988
Total ¹	7,055	(NA)	22,028	18,355	8,721	11,149	27,011	24,848	2,279	2,908
U.S.	7,047	7.7	20,115	18,325	7,859	11,119	26,384	24,060	2,200	2,800
Region:										
North-east	1,452	7.6	4,379	3,378	1,686	1,969	4,969	4,099	426	451
Mid-west	1,844	8.2	4,340	4,587	1,609	2,945	6,767	5,837	457	579
South	2,620	8.3	8,396	7,202	3,438	4,542	10,464	9,980	952	1,205
West	1,132	6.1	3,000	3,158	1,126	1,663	4,184	4,144	365	565
N. Eng.	256	5.3	945	624	361	299	1,366	1,030	104	90
ME	37	8.0	139	80	60	47	146	111	13	11
NH	9	2.2	53	19	22	10	101	96	7	6
VT	15	7.1	46	32	18	17	59	47	5	4
MA	130	5.9	446	329	171	143	703	480	49	4
RI	25	6.7	87	56	31	32	69	57	7	7
CT	40	3.3	174	108	59	50	288	239	23	21
Mid. Atl.	1,196	8.5	3,434	2,754	1,325	1,670	3,603	3,069	322	361
NY	669	9.8	1,804	1,495	726	909	1,593	1,538	171	206
NJ	138	4.8	600	352	226	221	679	524	58	57
PA	391	8.7	1,030	907	373	540	1,331	1,007	93	98
E. No. Cent.	1,425	9.1	3,382	3,498	1,261	2,312	4,401	3,725	310	398
OH	440	10.7	928	1,049	382	730	1,156	964	79	104
IN	104	5.0	399	285	154	189	717	624	39	47
IL	415	9.6	915	1,002	394	728	1,129	940	91	126
MI	359	10.6	903	865	263	505	866	738	69	80
WI	107	5.9	237	237	88	180	533	459	32	41
W. No. Cent.	420	6.2	958	1,089	348	633	2,366	2,112	146	181
MN	94	5.8	188	237	62	121	558	477	33	37
IA	70	6.4	156	166	54	102	439	390	24	30
MO	145	7.4	364	392	142	234	664	555	47	54
ND	13	5.2	28	36	9	20	93	94	5	8
SD	17	6.3	46	49	18	31	101	108	7	11
NE	36	5.9	72	91	25	51	203	192	11	16
KS	45	4.7	104	118	38	74	308	296	19	25
So. Atl.	1,024	6.4	3,811	2,630	1,547	1,637	4,846	4,542	443	504
DE	11	4.5	53	29	21	18	88	58	5	6
MD	102	6.0	335	246	140	166	434	355	36	36
DC	25	10.1	104	59	41	34	57	51	8	10
VA	133	6.0	412	323	158	195	717	628	51	56
WV	93	13.1	216	254	87	165	245	216	20	28
NC	154	6.3	592	380	234	222	887	785	90	84
SC	92	7.5	444	254	181	158	489	470	51	58
GA	172	7.4	658	461	264	275	894	926	80	96
FL	242	4.9	997	624	421	404	1,055	1,053	102	131
E. So. Cent.	677	12.0	2,283	1,857	938	1,167	2,252	2,144	215	267
KY	167	12.1	485	459	211	302	567	507	48	58
TN	186	10.0	674	489	262	294	648	610	55	65
AL	156	10.4	606	422	246	266	607	586	52	74
MS	168	18.3	518	457	199	305	430	441	50	70
W. So. Cent.	920	9.5	2,302	2,716	952	1,739	3,368	3,295	294	434
AR	83	9.2	301	225	122	126	356	299	31	38
LA	238	15.3	584	711	243	462	787	727	67	98
OK	107	8.6	214	263	73	167	408	362	30	41
TX	492	8.2	1,203	1,517	514	984	1,835	1,907	166	257
MT.	304	6.2	818	852	339	542	1,352	1,357	98	149
MT	22	7.2	45	53	18	35	104	84	6	9
ID	21	5.8	65	59	29	38	120	127	7	13
WY	10	5.7	15	25	6	17	51	56	3	5
CO	78	6.2	173	202	71	127	299	296	21	29
NM	49	9.1	191	141	81	97	174	177	19	28
AZ	76	5.9	227	245	97	147	291	304	23	38
UT	31	5.9	65	90	22	55	233	251	14	21
NV	17	4.1	37	37	15	26	80	62	5	6
Pac.	828	6.0	2,182	2,306	787	1,121	2,832	2,787	267	416
WA	125	6.9	260	301	90	176	354	349	26	39
OR	90	8.2	213	205	80	142	277	236	18	24
CA	572	5.5	1,571	1,703	530	698	2,006	2,016	210	330
AK	10	5.7	32	25	27	27	33	38	4	8
HI	31	8.8	106	72	60	78	162	148	9	15

NA Not available. ¹ Includes Puerto Rico, other outlying areas and Dept. of Defense overseas. After July 1, 1982 Puerto Rico was dropped from Food Stamp program and transferred to a nutrition assistance program.

Source: U.S. Dept. of Agriculture, Food and Nutrition Service. In *Agricultural Statistics*, annual; and unpublished data.

NO. 607. PUBLIC AID—RECIPIENTS AND AVERAGE MONTHLY CASH PAYMENTS UNDER SUPPLEMENTAL SECURITY INCOME (SSI) AND PUBLIC ASSISTANCE: 1975 TO 1988

[As of December, except as noted. Public assistance data for all years include Puerto Rico, Guam, and Virgin Islands; SSI data are for federally administered payments only. See text, section 12. Excludes payments made directly to suppliers of medical care. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 355-367]

PROGRAM	RECIPIENTS (1,000)					AVG. MONTHLY PAYMENTS (dol.)				
	1975	1980	1985	1987	1988	1975	1980	1985	1987	1988
SSI, total.....	4,314	4,142	4,198	4,385	4,464	114	168	226	252	260
Aged.....	2,307	1,806	1,504	1,455	1,433	91	128	164	181	188
Blind.....	74	78	82	83	83	147	213	274	297	306
Disabled.....	1,933	2,256	2,551	2,846	2,948	141	198	261	287	294
Old-age assistance ¹	18	19	18	17	17	21	39	36	36	36
Aid to the blind ¹	(z)	(z)	(z)	(z)	(z)	15	36	39	40	39
Aid to permanently, totally disabled ¹	17	21	23	24	24	15	35	38	38	38
AFDC: ² Families.....	3,568	3,843	3,721	3,734	3,752	229	288	341	365	379
Recipients ³	11,404	11,101	10,924	10,882	10,898	72	100	118	125	130
Children.....	8,106	7,599	7,247	7,296	7,328	(NA)	(NA)	(NA)	(NA)	(NA)
General assistance cases.....	692	796	1,051	906	905	144	161	(NA)	(NA)	(NA)

NA Not available. Z Fewer than 500. ¹ Average monthly recipients and payments for the year. ² Aid to Families with Dependent Children program. ³ Includes the children and one or both parents, or one caretaker relative other than a parent, in families where the needs of such adults were considered in determining the amount of assistance.

NO. 608. PUBLIC AID PAYMENTS: 1970 TO 1988

[In millions of dollars. See headnote, table 607. Supplemental Security Income data cover federal- and State-administered payments. See also Appendix III and *Historical Statistics, Colonial Times to 1970*, series H 346-354]

PROGRAM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Payments, total ¹	8,443	16,313	21,994	21,716	21,979	23,385	25,035	26,431	26,311	29,556	30,910
Supplemental Security Income ²	(X)	5,878	7,941	8,593	8,981	9,404	10,371	11,060	12,081	12,951	13,786
Aged.....	(X)	2,605	2,734	2,818	2,824	2,814	2,973	3,035	3,096	3,194	3,299
Blind.....	(X)	131	190	206	217	229	249	264	277	291	302
Disabled.....	(X)	3,142	5,014	5,566	5,909	6,357	7,143	7,755	8,700	9,458	10,177
Public assistance ¹	8,443	10,434	14,048	13,123	12,998	13,981	14,684	15,371	16,230	16,605	17,124
Old-age assistance.....	1,862	98	5	9	8	8	8	8	8	7	7
Blind.....	98	(z)	(z)	(z)	(z)	(z)	(z)	(z)	(z)	(z)	(z)
Permanently, totally disabled.....	1,000	3	9	10	10	10	10	10	11	11	11
Families with dependent children.....	4,853	9,211	12,475	12,981	12,878	13,838	14,505	15,196	16,033	16,373	16,827
Emergency assistance.....	11	78	113	123	102	125	141	157	178	214	279
General assistance.....	618	1,138	1,442	(NA)							

NA Not available. X Not applicable. Z Less than \$500,000. ¹ Beginning 1981, excludes general assistance payments. ² Includes data not available by reason for eligibility.

Source of tables 607 and 608: U.S. Social Security Administration, *Social Security Bulletin*, monthly and *Annual Statistical Supplement to the Social Security Bulletin*, and U.S. Family Support Administration, *Quarterly Public Assistance Statistics*, annual.

NO. 609. PUBLIC AID RECIPIENTS AS PERCENT OF POPULATION, BY STATE: 1980 AND 1988

[Total recipients as of June of Aid to Families with Dependent Children and of Federal Supplemental Security Income as percent of resident population. Based on estimated resident population as of July 1]

DIVISION AND STATE	1980	1988									
U.S.....	6.5	6.1	E.N.C.—Con.			S.A.—Con.			Mt.....	3.5	3.8
N.E.....	6.9	5.1	MI.....	8.9	8.4	WV.....	6.0	8.1	MT.....	3.4	4.6
ME.....	7.4	6.1	WI.....	6.1	7.1	NC.....	5.8	5.1	ID.....	3.1	2.6
NH.....	3.0	1.6	W.N.C.....	4.5	4.6	SC.....	7.6	5.8	WY.....	1.9	3.4
VT.....	6.4	5.3	MN.....	4.2	4.6	GA.....	6.9	6.4	CO.....	3.7	3.9
MA.....	8.3	5.9	IA.....	4.6	4.6	FL.....	4.4	4.1	NM.....	6.1	5.7
RI.....	7.2	5.9	MO.....	5.9	5.5	E.S.C.....	7.9	7.4	AZ.....	3.0	3.9
CT.....	5.2	4.2	ND.....	3.0	3.2	KY.....	7.2	6.9	UT.....	3.2	3.2
M.A.....	7.6	6.6	SD.....	4.2	3.9	TN.....	6.4	6.5	NV.....	2.3	2.6
NY.....	6.4	7.7	NE.....	3.2	3.5	AL.....	8.1	6.3	Pac.....	7.9	7.8
NJ.....	7.4	5.2	KS.....	3.8	3.7	MS.....	11.4	11.1	WA.....	4.8	5.7
PA.....	6.7	5.9	SA.....	6.8	5.1	W.S.C.....	5.2	5.5	OR.....	4.9	4.1
E.N.C.....	6.6	7.0	DE.....	6.6	4.1	AR.....	7.2	5.9	CA.....	8.8	8.7
OH.....	6.0	7.2	MD.....	6.1	4.9	LA.....	8.3	9.1	AK.....	4.6	4.6
IN.....	3.7	3.7	DC.....	15.5	10.5	OK.....	5.2	5.0	HI.....	7.3	4.8
IL.....	7.0	7.0	VA.....	4.6	3.8	TX.....	4.0	4.7			

Source: Compiled by U.S. Bureau of the Census. Data from U.S. Social Security Administration, *Social Security Bulletin*, monthly, and U.S. Family Support Administration, *Quarterly Public Assistance Statistics*, annual.

NO. 610. AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC) AND SUPPLEMENTAL SECURITY INCOME (SSI)—RECIPIENTS AND PAYMENTS, STATES AND OTHER AREAS: 1980 TO 1988

[Recipients as of December. Data for SSI cover Federal SSI payments and/or federally-administered State supplementation, except as noted. For explanation of methodology, see Appendix III]

DIVISION AND STATE OR OTHER AREA	AFDC								SSI			
	Recipients ¹ (1,000)			Payments for year (mil. dol.)			Average monthly payment per family		Recipients (1,000)		Payments for year (mil. dol.)	
	1980	1987	1988	1980	1987	1988	1987	1988	1980	1988	1980	1988
Total	11,101	10,882	10,888	12,475	16,373	16,827	\$361	\$374	4,142	4,464	7,715	13,405
U.S.	10,923	10,697	10,707	12,409	16,301	16,783	(NA)	(NA)	4,142	4,463	7,690	13,403
N. Eng.	647	465	467	910	968	1,012	489	501	198.0	198.5	358	589
ME.....	56	52	49	60	62	60	380	375	21.6	22.9	28	50
NH.....	24	19	12	27	22	22	403	408	5.4	4.8	16	16
VT.....	24	20	19	32	41	40	454	478	8.9	9.7	16	27
MA.....	348	234	239	510	526	566	500	545	123.6	113.7	241	349
RI.....	54	42	41	72	81	82	433	455	15.0	16.4	25	46
CT.....	140	107	106	209	220	221	478	491	*23.4	*29.5	48	*81
Mid. Atl.	2,216	1,878	1,806	2,954	3,308	3,382	424	453	614.5	654.5	1,289	2,163
NY.....	1,110	1,019	986	1,623	2,068	2,180	495	536	365.5	379.9	791	1,326
NJ.....	469	320	297	580	479	451	350	357	85.8	96.2	156	299
PA.....	637	539	524	771	742	751	335	352	163.2	176.4	312	538
E. No. Cent.	2,419	2,393	2,307	2,838	3,591	3,491	365	366	466.3	567.3	827	1,654
OH.....	572	648	633	561	812	801	299	297	119.3	142.0	200	397
IN.....	170	150	148	139	153	166	241	263	*41.4	*54.7	*60	*141
IL.....	691	681	640	722	860	801	308	309	*123.6	*157.9	*207	*466
MI.....	753	642	637	1,063	1,213	1,227	473	480	113.8	131.9	237	404
WI.....	232	245	249	365	554	495	472	472	68.3	80.0	124	245
W. No. Cent.	614	608	611	697	908	907	355	361	190.3	203.3	270	487
MN.....	146	161	163	207	333	342	509	520	*31.9	*36.8	*42	*87
IA.....	111	104	99	144	164	152	349	349	25.6	30.9	34	72
MO.....	216	200	202	182	213	215	264	263	*64.4	*81.4	*128	*202
ND.....	13	15	15	16	21	22	345	355	*6.3	*7.2	*9	*16
SD.....	19	18	19	19	21	21	268	271	8.0	9.3	10	21
NE.....	38	43	41	42	59	56	316	323	*13.7	*14.7	*19	*35
KS.....	72	67	73	87	96	99	325	339	20.4	22.9	28	54
So. Atl.	1,463	1,346	1,386	1,126	1,470	1,531	280	269	744.4	802.9	1,173	2,023
DE.....	34	20	19	32	24	24	261	270	7.2	7.8	11	20
MD.....	220	176	176	214	249	253	318	336	48.3	56.4	82	156
DC.....	82	60	49	82	77	76	330	347	15.1	16.5	31	51
VA.....	176	145	147	180	172	169	255	258	*80.6	*90.0	*120	*218
WV.....	60	111	109	80	109	108	246	242	*41.0	*44.8	*72	*128
NC.....	202	171	196	154	193	212	239	243	*140.6	*142.4	*210	*337
SC.....	156	122	109	72	100	90	187	189	*83.4	*68.1	*124	*207
GA.....	234	244	262	138	245	276	237	258	154.5	154.8	293	368
FL.....	279	307	319	203	300	324	236	241	173.6	202.2	291	543
E. So. Cent.	704	644	656	366	403	423	146	152	470.1	481.9	716	1,180
TX.....	175	155	154	136	137	146	194	209	*93.7	*105.8	*151	*278
KN.....	174	181	193	85	119	130	149	158	130.6	133.6	199	327
AL.....	178	132	130	84	64	62	114	114	*134.1	*130.0	*195	*307
MS.....	176	176	179	61	82	86	117	119	111.8	112.5	171	268
W. So. Cent.	716	939	979	401	668	707	182	183	543.3	536.2	793	1,261
AR.....	85	67	70	51	51	54	185	191	77.8	73.6	107	181
LA.....	219	271	277	124	176	183	167	167	136.5	129.4	223	330
OK.....	92	101	103	92	114	121	277	281	*67.3	*58.8	*100	*137
TX.....	320	500	529	134	328	350	169	169	*261.7	*274.4	*365	*632
Mt.	302	366	360	274	429	460	290	291	116.2	143.1	188	383
MT.....	20	29	28	19	41	41	356	363	6.8	8.9	11	23
ID.....	20	18	17	24	20	19	259	250	*7.5	*9.3	*11	*23
WY.....	7	13	14	9	18	19	308	304	*1.8	*2.6	*3	*7
CO.....	81	94	98	81	119	127	312	318	*30.5	*34.1	*46	*88
NM.....	56	60	59	42	57	55	235	225	*25.4	*26.6	*41	*73
AZ.....	60	91	103	40	96	107	268	268	*29.8	*39.1	*53	*109
UT.....	44	44	43	48	61	61	344	344	*7.8	10.6	11	35
NV.....	14	17	20	11	17	21	247	273	6.8	9.7	11	25
Pac.	1,943	2,058	2,115	2,944	4,555	4,860	533	562	798.2	875.2	2,108	3,688
WA.....	173	206	217	251	399	405	441	444	45.3	54.8	62	106
CA.....	94	101	98	147	214	191	277	281	*22.2	*28.5	*35	*76
CA.....	1,498	1,709	1,749	2,928	3,916	4,177	567	580	717.5	774.9	1,962	3,391
AK.....	16	19	19	27	51	54	567	599	*3.1	*4.1	*6	*11
HI.....	61	41	43	91	68	82	410	506	10.2	12.9	20	40
PR.....	170	176	183	60	66	68	101	101	(x)	(x)	(x)	(x)
GU.....	5	5	4	3	3	3	214	216	(x)	(x)	(x)	(x)
VI.....	3	4	3	2	2	2	192	195	(x)	(x)	(x)	(x)
N. Mariana.....	(x)	(x)	(x)	(x)	(x)	(x)	(x)	(x)	*.6	*.6	*.1	*.2

NA Not available. X Not applicable. ¹ See footnote 3, table 607. ² Includes small number of recipients whose residence was "unknown." ³ 1980 figures include payments to Indochina refugee (total, \$23.6 million) which were not available by State. In addition, for all years, totals were reduced to reflect returned checks and overpayment refunds. ⁴ Data for persons with Federal SSI payments only; State has State-administered supplementation. ⁵ Data for persons with Federal SSI payments only; State supplementary payments not made.

Source: U.S. Social Security Administration, *Social Security Bulletin*, monthly, and *Annual Statistical Supplement to the Social Security Bulletin*; and U.S. Family Support Administration, *Quarterly Public Assistance Statistics*, annual.

NO. 611. CHILD SUPPORT—SELECTED CHARACTERISTICS OF WOMEN: 1985

[Women as of spring 1986. Covers civilian noninstitutional population. Child support data are for women with own children under 21 years of age present from absent fathers. Based on Current Population Survey, see text, section 1 and Appendix III]

RECIPIENCY STATUS OF WOMEN	Unit	Total ¹	AGE			RACE		Hispanic ²	CURRENT MARITAL STATUS			
			18 to 29 years	30 to 39 years	40 years and over	White	Black		Divorced ³	Married ³	Single ⁴	Separated
All women, total	1,000	8,808	2,887	3,614	2,307	6,341	2,310	813	3,045	2,322	2,009	1,363
Payments awarded ⁵	1,000	5,396	1,288	2,547	1,561	4,476	839	342	2,492	1,904	370	587
Percent of total.....	Percent	61.3	44.6	70.5	67.7	70.6	36.3	42.1	81.8	82.0	18.4	43.1
Due child support payment in 1985.....	1,000	4,381	1,089	2,182	1,110	3,651	657	282	2,179	1,416	303	453
Received payment.....	1,000	3,243	777	1,605	861	2,722	473	192	1,637	970	231	382
Percent of due.....	Percent	74.0	71.3	73.8	77.6	74.6	72.0	68.1	75.1	68.5	76.2	84.3
Did not receive payment.....	1,000	1,138	312	578	249	929	184	90	541	447	72	71
Payments not awarded.....	1,000	3,411	1,599	1,066	746	1,865	1,471	471	553	418	1,639	776
Women with incomes below the poverty level in 1985, total	1,000	2,797	1,419	920	458	1,569	1,190	414	795	180	1,159	646
Payments awarded ⁵	1,000	1,130	469	485	176	787	322	100	572	121	207	221
Received payments in 1985.....	1,000	595	241	258	96	411	174	43	301	50	123	116
Did not receive payment.....	1,000	310	128	147	35	221	83	31	198	31	40	41
Payments not awarded.....	1,000	1,668	951	435	282	792	868	314	223	59	952	425

¹ Includes other items, not shown separately. ² Hispanic women may be of any race. ³ Remarried women whose previous marriage ended in divorce. ⁴ Never-married women. ⁵ Includes women who were not supposed to receive payments in 1985, not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 154.

NO. 612. CHILD SUPPORT ENFORCEMENT PROGRAM—CASELOAD AND COLLECTIONS: 1980 TO 1988

[For years ending Sept. 30. Includes Puerto Rico, Guam and the Virgin Islands. The Child Support Enforcement program locates absent parents, establishes paternity of children born out-of-wedlock, and establishes and enforces support orders. By law, these services are available to all families that need them. The program is operated at the State and local government level but 68% of administrative costs are paid by the Federal government. Child support collected for families not receiving Aid to Families with Dependent Children (AFDC) goes to the family to help it remain self-sufficient. Most of the child support collected on behalf of AFDC families goes to Federal and State governments to offset AFDC payments. Based on data reported by State agencies. Minus sign (-) indicates net outlay]

ITEM	Unit	1980	1982	1983	1984	1985	1986	1987	1988
Total cases.....	1,000	5,432	7,028	7,516	7,999	8,401	9,724	10,635	11,068
AFDC and AFDC arrears only caseload.....	1,000	(NA)	(NA)	(NA)	(NA)	(NA)	7,220	7,655	7,500
AFDC cases.....	1,000	4,583	5,547	5,828	6,136	6,242	5,749	5,776	5,707
AFDC arrears only cases ¹	1,000	(NA)	(NA)	(NA)	(NA)	(NA)	1,472	1,879	1,793
Non-AFDC cases.....	1,000	849	1,481	1,688	1,863	2,159	2,503	2,981	3,568
Cases for which a collection was made:									
AFDC cases.....	1,000	503	597	595	647	684	582	609	615
AFDC arrears only cases ¹	1,000	(NA)	(NA)	(NA)	(NA)	(NA)	158	196	179
Non-AFDC cases.....	1,000	243	448	507	547	654	786	934	1,067
Percentage of cases with collections:									
AFDC cases.....	Percent	11.0	10.8	10.2	10.5	11.0	10.1	10.5	10.8
AFDC arrears only cases ¹	Percent	(NA)	(NA)	(NA)	(NA)	(NA)	10.8	10.5	10.0
Non-AFDC cases.....	Percent	28.7	30.3	30.0	28.4	30.3	31.4	31.3	29.9
Absent parents located, total.....	1,000	643	779	831	875	878	1,048	1,145	1,382
Paternities established, total.....	1,000	144	173	208	219	232	245	269	306
Support obligations established, total.....	1,000	374	462	496	573	669	731	812	867
FINANCES									
Collections, total.....	Mil. dol.	1,478	1,770	2,024	2,378	2,694	3,249	3,917	4,613
AFDC collections.....	Mil. dol.	603	786	880	1,000	1,090	1,225	1,348	1,483
State share.....	Mil. dol.	274	354	396	448	415	424	473	524
Incentive payments to States.....	Mil. dol.	72	107	121	134	145	158	185	223
Federal share.....	Mil. dol.	264	311	349	402	341	369	413	447
Payments to AFDC families ²	Mil. dol.	10	15	15	17	189	275	278	289
Non-AFDC collections.....	Mil. dol.	874	984	1,144	1,378	1,604	2,023	2,569	3,129
Administrative expenditures, total.....	Mil. dol.	466	612	691	723	814	941	1,068	1,171
State share.....	Mil. dol.	117	153	204	216	243	308	316	366
Federal share.....	Mil. dol.	349	459	487	507	571	633	750	804
Program savings, total.....	Mil. dol.	127	160	174	260	86	9	5	24
State share.....	Mil. dol.	230	307	312	366	317	274	342	381
Federal share.....	Mil. dol.	-103	-148	-138	-105	-231	-264	-337	-357
Total fees and costs recovered for non-AFDC cases.....	Mil. dol.	5	3	3	3	3	6	7	7
Percentage of AFDC payments recovered.....	Percent	5.2	6.8	6.6	7.0	7.3	8.6	9.1	9.7

NA Not available. ¹ Reflects cases that are no longer receiving AFDC but still have outstanding child support due. ² Beginning 1985, States were required to pass along to the family the first \$50 of any current child support collected each month.

Source: U.S. Department of Health and Human Services, Office of Child Support Enforcement, *Annual Report to Congress*.

No. 613. ORPHANS, BY TYPE: 1960 TO 1988

[As of January. Includes Puerto Rico and Virgin Islands; beginning 1970, also includes American Samoa and Guam. Covers children under age 18 who have been orphaned at any time. Paternal orphan refers to loss of father only, maternal orphan to loss of mother only, full orphan to loss of both parents. Percent of child population based on source's estimates of number of children under 18, as of January 1. Data not exactly comparable for all years because of changes in methodology]

YEAR	NUMBER (1,000)				PERCENT OF CHILD POPULATION			
	Total	Paternal	Maternal	Full	Total	Paternal	Maternal	Full
1960	3,333	2,281	975	77	5.0	3.4	1.5	.1
1970	3,685	2,584	1,027	75	5.0	3.5	1.4	.1
1980	2,932	2,104	775	53	4.4	3.2	1.2	.1
1985	2,352	1,713	606	33	3.6	2.6	.9	.1
1986	2,293	1,674	588	31	3.5	2.6	.9	(z)
1987	2,252	1,649	575	29	3.4	2.5	.9	(z)
1988	2,213	1,625	561	27	3.3	2.5	.8	(z)

Z Less than .05 percent.

Source: U.S. Social Security Administration, unpublished data.

No. 614. ADOPTIONS BY RELATIONSHIP OF PETITIONER, 1960 TO 1986, AND FOREIGN ADOPTIONS, 1975 TO 1988

[Data on foreign adoptions for fiscal year ending in year shown; see text, section 9. Estimated. Data on total adoptions for 1960-1975 are generally based on material shown by Penelope Maza in "Adoption Trends: 1944-1975," Child Welfare Research Notes #9, issued by the U.S. Dept. of Health and Human Services, Administration for Children, Youth and Families. Data on domestic adoptions for 1982 and 1986 are based on data collected by the source from various State health, welfare, adoption, and statistical offices. Data on foreign adoptions are based on compilations by the source of data supplied by the U.S. Immigration and Naturalization Service. For further comments, see source]

YEAR	TOTAL ADOPTIONS						YEAR AND COUNTRY OF ORIGIN OF ADOPTEE	FOREIGN ADOPTIONS	
	Total	Related petitioners	Unrelated petitioners by type of agency making placement					Number	Percent distribution
			Total	Public agency	Private agency	Independent			
Number:									
1960	107,000	49,200	57,800	13,300	20,800	23,700	1975	5,633	100.0
1965	142,000	65,300	76,700	20,700	32,200	23,800	1980	5,139	100.0
1970	175,000	85,800	89,200	29,500	40,100	19,600	1982	5,749	100.0
1975	129,000	81,300	47,700	18,600	18,100	11,000	1983	7,127	100.0
1982 ¹	141,861	91,141	50,720	19,428	14,549	16,743	1984	8,327	100.0
1986 ¹	104,088	52,931	51,157	20,064	15,053	16,040	1985	9,286	100.0
							1986	9,945	100.0
							1987	10,097	100.0
Percent distribution:							1988, total²	9,120	100.0
1960	100.0	46.0	54.0	12.4	19.4	22.1	Korea	4,942	54.2
1970	100.0	49.0	51.0	16.9	22.9	11.2	Colombia	699	7.7
1975	100.0	63.0	37.0	14.4	14.0	8.5	India	698	7.7
1982 ¹	100.0	64.2	35.8	13.7	10.3	11.8	Philippines	476	5.2
1986 ¹	100.0	50.9	49.1	19.3	14.5	15.4	Chile	252	2.8

¹ Domestic adoptions only.

² Includes other countries, not shown separately.

Source: National Committee for Adoption, Inc., Washington, DC, *Adoption Factbook II*, 1989 (copyright) and unpublished data.

No. 615. WOMEN, 20 TO 54 YEARS OLD, WHO HAVE EVER ADOPTED A CHILD, BY RELATIONSHIP BEFORE THE ADOPTION: 1987

[In thousands, except percent. If a woman adopted more than one child of a different relationship, she would be counted once in each category. If adopted children are same relationship, she is counted once. Based on National Health Interview Survey; see Appendix III]

CHARACTERISTIC	Women ever married	WOMEN WHO EVER ADOPTED				CHARACTERISTIC	Women ever married	WOMEN WHO EVER ADOPTED			
		Total ¹		Unrelated ²	Related			Total ¹		Unrelated ²	Related
		Number	Percent					Number	Percent		
Total³	49,422	1,064	2.2	831	178						
Age:											
20-24 years	4,598	* 6	* .1	4	* 16	Years of school completed:					
25-29 years	8,218	50	.6	46	* 28	Less than 12	7,880	118	1.5	59	55
30-34 years	9,186	134	1.5	97	* 24	12 years	21,948	415	1.9	314	68
35-39 years	8,799	205	2.3	169	* 32	13-15 years	10,301	272	2.6	228	* 36
40-44 years	7,277	243	3.3	200	* 43	16 or more years	9,033	260	2.9	229	* 19
45-49 years	5,966	237	4.0	186	* 35	Family income:					
50-54 years	5,379	190	3.5	148		Less than					
Race:						\$15,000	7,967	102	1.3	56	44
White	42,635	956	2.2	772	134	\$15,000-\$24,999	9,309	193	2.1	145	* 33
Black	5,010	85	1.7	41	* 40	\$25,000-\$34,999	9,235	202	2.2	153	* 37
Other	1,777	* 24	* 1.4	* 18	* 4	\$35,000 or more	17,098	470	2.7	404	47
Hispanic origin:											
Hispanic	3,811	* 38	* 1.0	* 20	* 14						
Non-Hispanic	45,368	1,023	2.3	807	164						

¹ Includes women who ever adopted with unknown relationship, not shown separately.

² Includes foster children.

³ Includes unknown responses, not shown separately.

* Figure does not meet standards of reliability or precision.

Source: U.S. National Center for Health Statistics, unpublished data.

No. 616. CHILD CARE ARRANGEMENTS OF CHILDREN UNDER 15 OF EMPLOYED MOTHERS, BY AGE OF CHILD, 1984 TO 1986, AND WEEKLY CHILD CARE EXPENDITURES, FALL 1986

[Data were obtained for the three youngest children under 15 years old. These children represent about 95 percent of all children under 15 years old of employed women (30.6 million children). Based on the Survey of Income and Program Participation; see text, section 14]

AGE OF CHILD AND TYPE OF ARRANGEMENT	Dec. 1984 March 1985	August 1986	Fall 1986 ¹	CHARACTERISTIC	Em- ployed women with children under 15 (1,000)	Women making pay- ments for child care (1,000)	WEEKLY CHILD CARE EXPENSES	
							Amount ² (dol.)	Percent of in- come ³
Children under 5 years (1,000)	8,168	9,882	9,046	Total⁴	18,244	5,831	45.2	6.4
PERCENT DISTRIBUTION				Race:				
				White.....	14,865	4,875	45.6	6.4
				Black.....	2,769	898	36.8	7.1
				Hispanic origin:				
				Hispanic ⁵	1,659	723	43.9	7.8
				Non-Hispanic.....	16,585	5,108	45.3	6.3
				Region:⁶				
				Northeast.....	3,324	899	49.8	6.7
				Midwest.....	4,590	1,522	43.1	6.4
				South.....	6,728	2,000	41.6	6.0
				West.....	3,602	1,410	49.5	6.8
				Marital status:				
				Married, spouse present.....	13,800	4,525	46.9	5.9
				Other.....	4,444	1,306	39.1	10.2
Children 5 to 14 years (1,000)	18,267	19,225	19,976	Educational attainment:				
PERCENT DISTRIBUTION				Less than high school.....	2,496	558	32.2	7.3
				High school.....	8,491	2,746	41.7	6.8
				College, 1 or more years.....	7,257	2,527	51.8	6.0
				Employment status:				
				Full time.....	12,121	4,413	46.5	6.8
				Part time.....	6,123	1,418	40.9	5.4
				Monthly family income:				
				Less than \$1,250.....	3,142	861	35.2	17.8
				\$1,250-\$2,499.....	5,830	1,811	38.3	8.7
				\$2,500-\$3,749.....	4,901	1,638	46.5	6.8
				\$3,750 or more.....	4,271	1,521	57.6	4.4
				Poverty level:⁷				
				Below poverty level.....	1,675	353	32.0	21.7
				Above poverty level.....	16,569	5,478	46.0	6.2

¹ September to November 1986. ² Average (mean) expenditures for women making child care payments. ³ Mean weekly child care expenditures prorated to a monthly average as a percent of average monthly family income for the 4 months preceding the survey data. ⁴ Includes other races not shown separately. ⁵ Persons of Hispanic origin may be of any race. ⁶ For composition of regions, see fig. 1, inside front cover. ⁷ For explanation of poverty level, see text, section 14.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-70, No. 9 and press release CB89-119.

No. 617. PERCENT OF ADULT POPULATION DOING VOLUNTEER WORK: 1981 TO 1987

[1981 and 1985, cover persons 14 years old and over; 1987 data cover persons 18 years old and over. Volunteers are persons who worked in some way to help others for no monetary pay during the previous year. Data for 1981 were collected in March 1981, 1985 data were collected in October 1985, and 1987 data were collected in March 1988 as part of Gallup Poll. Based on a sample and subject to sampling variability, see source]

AGE AND SEX	1981	1985	1987	EDUCATIONAL ATTAINMENT AND HOUSEHOLD INCOME			TYPE OF ACTIVITY	1987
				1981	1985	1987		
Total	52	48	45	Grade school.....	26	29	23	Percent of volunteers involved in— Religious organizations.. 45 Education..... 29 Recreation..... 22 Health..... 24 Civil, social, fraternal organizations..... 21 Social services, welfare..... 20 Community action..... 8 Political organizations.... 10 Informal, alone..... 41
14-17 years old.....	53	52	(NA)	High school, 1-3 yrs.....	31	38	25	
18-24 years old.....	54	43	42	High school, 4 yrs.....	54	46	41	
25-34 years old.....	53	43	45	College, 1-3 yrs.....	65	61	58	
35-44 years old.....	55	54	54	College, 4 yrs. or more.....	75	65	64	
45-54 years old.....			47	Under \$10,000.....	36	40	23	
55-64 years old.....		44	47	\$10,000-\$19,999.....	49	42	40	
65-74 years old.....	37	43	40	\$20,000-\$29,999.....	44	44	49	
75 years old and over.....		26	29	\$30,000-\$39,999.....	64	64	51	
Male.....	47	45	44	\$40,000-\$49,999.....			57	
Female.....	56	51	47	\$50,000-\$74,999.....	62	60	50	
				\$75,000-\$99,999.....			62	
				\$100,000 and over.....			50	

NA Not available. ¹ Persons 18 years old and over. ² Persons 35-49 years old. ³ Persons 50-64 years old. Source: INDEPENDENT SECTOR, Washington, DC, *Americans Volunteer, 1985*, April 1986 (copyright) and Hodgkinson, Virginia, Murray, Wetzman, and the Gallup Organization, Inc., *Giving and Volunteering in the United States: 1988 Edition*. (Copyright and published by INDEPENDENT SECTOR, Washington, DC, Fall 1988.)

NO. 618. CHARITY CONTRIBUTIONS—AVERAGE DOLLAR AMOUNT AND PERCENT OF HOUSEHOLD INCOME, BY AGE OF RESPONDENT AND HOUSEHOLD INCOME: 1987

[Estimates cover households' contribution activity for the year and are based on respondents' replies as to contribution and volunteer activity of household. Based on a sample survey conducted in March 1988 and subject to sampling variability; see source]

AGE	ALL CONTRIBUTING HOUSEHOLDS		CONTRIBUTORS AND VOLUNTEERS		HOUSEHOLD INCOME	ALL CONTRIBUTING HOUSEHOLDS		CONTRIBUTORS AND VOLUNTEERS	
	Average amount (dol.)	Percent of household income	Average amount (dol.)	Percent of household income		Average amount (dol.)	Percent of household income	Average amount (dol.)	Percent of household income
Total	790	1.9	1,021	2.4	Under \$10,000.....	172	2.8	217	3.6
18-24 years.....	219	.6	188	.5	\$10,000-\$19,999.....	429	2.5	560	3.4
25-34 years.....	625	1.6	827	2.1	\$20,000-\$29,999.....	666	2.5	763	2.8
35-44 years.....	825	1.8	1,001	2.2	\$30,000-\$39,999.....	769	2.0	907	2.4
45-54 years.....	1,066	2.1	1,368	2.5	\$40,000-\$49,999.....	933	1.9	1,302	2.7
55-64 years.....	1,034	2.6	1,593	3.5	\$50,000-\$74,999.....	1,015	1.5	1,326	1.9
65-74 years.....	959	3.1	1,361	4.2	\$75,000-\$99,999.....	1,602	1.7	2,196	2.2
75 years and over.....	737	3.0	687	2.6	\$100,000 and over.....	2,225	2.1	2,329	2.2

Source: Hodgkinson, Virginia, Murray Weltzman, and the Gallup Organization, Inc., *Giving and Volunteering in the United States: 1988 Edition*. (Copyright and published by INDEPENDENT SECTOR, Washington, DC, Fall 1988.)

NO. 619. CHARITY CONTRIBUTIONS—PERCENT OF HOUSEHOLDS CONTRIBUTING, BY DOLLAR AMOUNT, TYPE OF CHARITY, AND PERCENTAGE OF INCOME CONTRIBUTED: 1987

[See headnote, table 618]

ANNUAL AMOUNT OF HOUSEHOLD CONTRIBUTIONS	PERCENT DISTRIBUTION		TYPE OF CHARITY	Per-centage of house-holds	Aver-age contri-bution per contrib-uting house-hold	PERCENTAGE OF HOUSEHOLD INCOME CONTRIBUTED	PERCENT DISTRIBUTION		Percent-age of respond-ents volun-teering
	All house-holds	Givers					All house-holds	Contrib-uting house-holds	
None.....	28.9	(x)	Arts, culture, humanities.....	8.0	\$260	Total	100.0	(x)	45.3
Givers.....	71.0	100.0	Education.....	15.1	293	Noncontributors.....	28.9	(x)	19.6
\$1-\$100.....	20.8	32.7	Environment.....	10.8	87	Contributors.....	71.0	(x)	55.8
\$101-\$200.....	7.4	11.6	Health.....	23.9	130	Reporting dollar amount and income.....			
\$201-\$300.....	6.6	10.5	Human services.....	23.9	210	Less than 1 percent.....	62.8	100.0	56.6
\$301-\$400.....	3.5	5.6	International.....	4.2	281	1-1.99 percent.....	32.1	51.1	49.2
\$401-\$500.....	3.2	5.0	Private, community foundations.....	4.8	145	2-2.99 percent.....	11.3	18.0	56.9
\$501-\$800.....	2.3	3.7	Public, societal benefit.....	6.5	163	3-4.99 percent.....	5.3	8.5	57.0
\$801-\$700.....	2.0	3.2	Religion.....	52.5	715	5 percent or more.....	8.7	13.9	74.8
\$701-\$999.....	3.7	5.8	Youth development.....	18.5	88				
\$1,000 or more.....	13.9	21.9							
Amount not reported.....	7.6	(x)							

X Not applicable.

Source: Hodgkinson, Virginia, Murray Weltzman, and the Gallup Organization, Inc., *Giving and Volunteering in the United States: 1988 Edition*. (Copyright and published by INDEPENDENT SECTOR, Washington, DC, Fall 1988.)

NO. 620. PRIVATE PHILANTHROPY FUNDS, BY SOURCE AND ALLOCATION: 1970 TO 1986

[In billions of dollars. Estimates for sources of funds based on U.S. Internal Revenue Service reports of corporate and foundation tax returns and individual charitable deductions; econometric formula utilizing Commerce Department data on personal income, Standard & Poor's 500 Composite Index, Census population data; and surveys conducted by Council for Aid to Education, The Conference Board, The Foundation Center, and other research organizations. Estimates for allocation of funds based on surveys of recipient organizations conducted by source and other groups. See *Historical Statistics, Colonial Times to 1970*, series H 398-411, for similar but not comparable data]

SOURCE AND ALLOCATION	1970	1975	1976	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total funds	21.0	28.6	39.0	43.4	48.7	55.6	59.8	64.7	70.6	80.3	91.9	97.8	104.4
Individuals.....	18.2	23.5	32.1	36.6	40.7	46.4	48.5	53.5	58.5	66.2	76.2	80.8	86.7
Foundations.....	1.9	1.7	2.2	2.2	2.8	3.1	3.2	3.6	4.0	4.9	5.4	5.9	6.1
Corporations.....	.8	1.2	2.1	2.3	2.4	2.5	2.9	3.6	4.1	4.5	4.6	4.6	4.8
Charitable bequests.....	2.1	2.2	2.6	2.2	2.9	3.6	5.2	3.9	4.0	4.8	5.7	6.6	6.8
Allocation:													
Religion.....	9.3	12.6	18.4	20.2	22.2	25.1	28.1	31.8	35.4	37.5	41.7	44.5	48.2
Health.....	2.4	3.6	4.5	4.9	5.3	5.8	6.2	6.7	6.8	7.7	8.4	8.2	9.5
Education.....	2.6	2.8	4.1	4.5	5.0	5.8	6.0	6.7	7.3	8.2	9.4	9.8	9.7
Human services.....	2.9	2.9	3.9	4.5	4.9	5.6	6.3	7.2	7.9	8.6	9.1	9.8	10.5
Arts, culture and humanities.....	.7	1.6	2.4	2.7	3.2	3.7	5.0	4.2	4.5	5.1	5.8	6.3	6.8
Public/society benefit.....	.5	.8	1.1	1.2	1.5	1.8	1.7	1.9	1.9	2.2	2.4	2.7	3.0
All other.....	2.6	4.1	4.6	5.3	6.7	7.9	6.6	6.2	6.8	11.2	15.1	15.4	16.5

Source: AAFRC Trust for Philanthropy, New York, NY, *Giving USA*, annual. (Copyright.)

NO. 621. FOUNDATIONS—NUMBER AND FINANCES, BY ASSET SIZE

[Figures are for latest year reported by foundations, usually 1986 or 1987. Covers nongovernment nonprofit organizations with funds and programs managed by their own trustees or directors, whose goal was to maintain or aid social, educational, religious, or other activities deemed to serve the common good. Excludes organizations which make general appeals to the public for funds, act as trade associations for industrial or other special groups, or do not currently award grants]

ASSET SIZE	Number	Assets (mil. dol.)	Gifts received (mil. dol.)	Expenditures (mil. dol.)	Grants (mil. dol.)	PERCENT DISTRIBUTION				
						Number	Assets	Gifts received	Expenditures	Grants
Total	27,661	115,441	4,958	8,120	6,660	100.0	100.0	100.0	100.0	100.0
Under \$50,000.....	7,249	129	165	229	216	26.2	.1	3.3	2.8	3.3
\$50,000—\$99,999.....	2,939	214	68	81	75	10.6	1.4	1.4	1.0	1.1
\$100,000—\$249,999.....	4,756	1,711	158	190	166	17.2	7.0	3.2	2.3	2.5
\$250,000—\$499,999.....	3,365	1,211	168	187	163	12.2	1.2	3.4	2.3	2.5
\$500,000—\$999,999.....	2,942	2,087	259	304	266	10.6	1.8	5.2	3.7	4.0
\$1,000,000—\$4,999,999.....	4,172	9,209	873	1,015	838	15.1	8.0	17.6	12.5	12.6
\$5,000,000—\$9,999,999.....	966	6,837	509	677	501	3.5	5.9	10.3	8.3	7.5
\$10,000,000—\$49,999,999.....	967	20,063	1,294	1,826	1,358	3.5	17.4	28.1	20.0	20.4
\$50,000,000—\$99,999,999.....	155	10,783	381	700	558	.6	9.3	7.7	8.6	8.4
\$100,000,000—\$249,999,999.....	93	14,812	203	880	711	.3	12.8	4.1	10.8	10.7
\$250,000,000 or more.....	57	49,321	880	2,230	1,807	.2	42.7	17.7	27.5	27.1

Source: The Foundation Center, New York, NY, *The National Data Book of Foundations*, 13th edition, 1989.

NO. 622. FOUNDATIONS—GRANTS REPORTED, BY SUBJECT FIELD AND RECIPIENT ORGANIZATION: 1982 TO 1988

[Number and type of foundations reporting varies from year to year. Covers grants of \$5,000 or more in size. For 1988, based on reports of 404 foundations which represented about 37 percent of all grant dollars awarded by private foundations. For definition of foundation, see headnote, table 621]

SUBJECT FIELD AND RECIPIENT ORGANIZATION	NUMBER OF GRANTS					AMOUNT					Percent distribution	
	1982	1985	1986	1987	1988	Total (mil. dol.)					1982	1988
						1982	1985	1986	1987	1988		
Total ¹	27,121	36,320	40,546	43,032	43,066	1,490	2,013	2,217	2,589	2,873	100.0	100.0
Welfare.....	9,014	12,186	13,491	14,226	14,517	387	523	586	698	778	25.9	27.0
Health.....	4,584	6,009	6,488	7,248	7,206	312	474	454	600	581	20.9	20.2
Education.....	5,145	6,059	7,057	7,007	7,346	356	338	485	452	492	23.8	17.1
Culture.....	4,435	6,246	7,934	7,897	7,519	209	294	327	389	417	14.0	14.5
Science.....	1,644	2,266	2,455	2,514	2,145	96	177	142	194	267	8.4	9.3
Social science.....	1,704	2,852	3,138	3,274	3,365	102	169	195	213	281	6.8	9.8
Religion.....	595	702	583	868	969	28	38	27	43	57	1.8	2.0
Educational institutions.....	8,316	9,739	11,294	11,671	11,471	634	716	851	949	1,029	42.5	35.8
Direct service agencies.....	7,981	11,147	12,875	13,489	14,077	277	418	483	548	685	18.5	23.8
Hospitals and medical care facilities.....	1,660	1,864	2,033	2,021	1,983	120	140	138	155	150	8.1	5.2
Research institutes.....	1,101	1,883	2,174	2,194	2,312	77	189	201	273	336	5.2	11.7
Associations and profess. societies.....	2,600	4,599	5,242	5,964	5,910	95	189	215	274	354	6.3	12.3
Museums and historical societies.....	1,134	1,501	1,824	2,001	1,870	88	115	125	159	182	5.9	6.3
Performing arts group.....	1,668	2,343	2,721	3,030	2,880	61	87	96	115	111	4.1	3.9
Government agencies.....	889	921	1,141	1,225	1,316	47	69	71	91	93	3.2	3.2
Community funds.....	718	859	1,261	1,139	1,110	43	67	80	81	79	2.9	2.7
Libraries.....	370	493	570	559	523	27	63	68	65	72	1.8	2.5
Churches and temples.....	572	682	542	649	826	25	29	19	24	25	1.7	.9

¹ Grants may be awarded to multiple types of recipient organizations and would thereby be double-counted.

Source: The Foundation Center, New York, NY, *Foundation Grants Index*, annual.

NO. 623. CORPORATE PHILANTHROPY—DONATIONS, BY TYPE OF BENEFICIARY: 1975 TO 1988

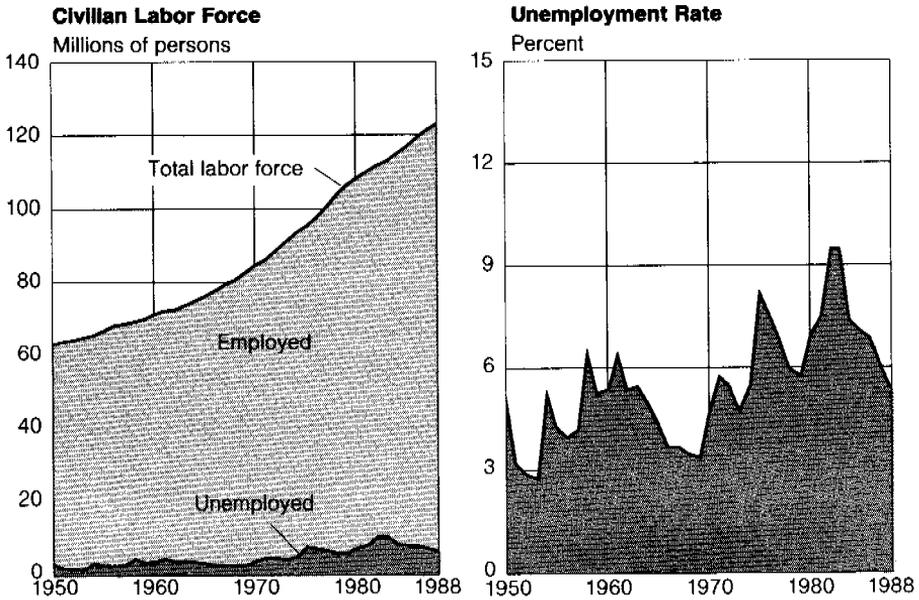
[In millions of dollars. Based on a sample of corporations that gave at least \$100,000; see source]

BENEFICIARY	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total ¹	436.8	994.6	1,170.6	1,281.6	1,278.4	1,444.3	1,694.7	1,673.7	1,658.4	1,643.0
Health and human services ¹	180.0	337.9	393.3	387.3	367.6	399.9	494.1	468.6	450.5	479.6
Federated drives.....	104.6	170.7	(NA)	182.4	(NA)	193.9	(NA)	225.9	203.6	138.1
Other local health, human services.....	20.5	41.7	(NA)	44.6	(NA)	71.2	(NA)	(NA)	215.9	341.4
Education ¹	158.4	375.6	429.8	522.2	498.8	561.7	650.0	718.0	610.1	602.2
Dept. and research grants ²	23.8	64.7	(NA)	114.6	(NA)	175.3	(NA)	198.5	(NA)	(NA)
Employee matching gifts ²	14.0	45.4	(NA)	71.2	(NA)	72.2	(NA)	98.7	108.5	103.6
Unrestricted operating grants ²	29.1	56.0	(NA)	57.4	(NA)	38.7	(NA)	70.0	(NA)	(NA)
Culture and art.....	33.0	108.7	139.6	145.8	145.2	154.7	187.5	198.7	178.1	181.7
Civic, community activities ¹	45.2	116.8	136.6	149.3	188.8	271.6	279.5	220.5	236.1	208.7
Community improvement.....	15.2	47.0	(NA)	48.2	(NA)	30.5	(NA)	12.6	53.4	58.2
Environment; ecology.....	7.5	10.8	(NA)	13.8	(NA)	97.1	(NA)	35.9	(NA)	(NA)

NA Not available. ¹ Includes other beneficiaries not shown separately. ² Higher education institutions.

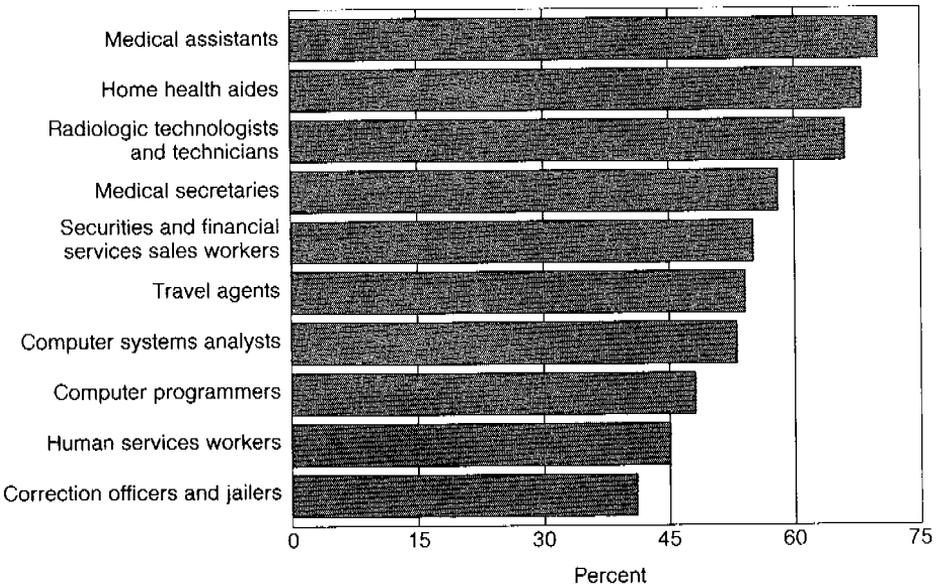
Source: Maureen Nevin Duffy, *Annual Survey of Corporate Contributions*, The Conference Board, New York, NY. (Copyright.)

Figure 13.1
Labor Force Trends: 1950 to 1988



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 624.

Figure 13.2
Projected Percent Change in Employment for 10 Fastest Growing Occupations: 1988 to 2000



Source: Chart prepared by U.S. Bureau of the Census. For data, see table 646.



Section 13

Labor Force, Employment, and Earnings

This section presents data on the labor force; its distribution by occupation and industry affiliation; and the supply of, demand for, and conditions of labor. The chief source of these data is the Current Population Survey conducted by the U.S. Bureau of the Census. Comprehensive historical data are published by the Bureau of Labor Statistics (BLS) in *Labor Force Statistics Derived From the Current Population Survey, 1948-87, BLS Bulletin 2307*. These data are supplemented on a current basis by the BLS monthly publications *Employment and Earnings* and the *Monthly Labor Review*. Detailed data on the labor force are also available from the Census Bureau's decennial census of population.

Types of data.—Most statistics in this section are obtained by two methods: household interviews or questionnaires, and reports of establishment payroll records. Each method provides data which the other cannot suitably supply. Population characteristics, for example, are readily obtainable only from the household survey, while detailed industrial classifications can be readily derived only from establishment records.

Household data are obtained from a monthly sample survey of the population. The Current Population Survey (CPS) is used to gather data for the week including the 12th of the month, and provides current comprehensive data on the labor force (see text, section 1). The CPS provides information on the work status of the population without duplication since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once, according to the job at which they work the most hours during the survey week.

Monthly data from the CPS are published by the Bureau of Labor Statistics in *Employment and Earnings* and the related reports mentioned above. Data presented include national totals by sex, race, Hispanic origin, and age, of the number of persons in the civilian labor force; the number employed, hours of work; industry and occupational groups; and the number unemployed, reasons for, and duration of unemployment. Monthly data from the CPS are also presented for 11 large States. Annual data shown in this section are averages of monthly figures for each calendar year, unless otherwise specified.

In addition to monthly data, the CPS also produces annual estimates of employment and unemployment for each State, 50 large metropolitan statistical areas and selected cities. These estimates are published by BLS in its annual *Geographic Profile of Employment and Unemployment*. More detailed geographic data (e.g., for counties and cities) are provided by the decennial population censuses.

Data based on establishment records are compiled by BLS and cooperating State agencies as part of an ongoing Current Employment Statistics Program. Data, gathered from a sample of employers who voluntarily complete mail questionnaires monthly, are supplemented by data from other government agencies and adjusted at intervals to data from government social insurance program reports. The estimates exclude proprietors of unincorporated firms, self-employed persons, private household workers, unpaid family workers, agricultural workers, and the Armed Forces. In March 1988, reporting establishments employed 9 million manufacturing workers (49 percent of the total manufacturing employment at the time), 16 million workers in nonmanufacturing industries (24 percent of the total in nonmanufacturing), and 13 million Federal, State, and local government employees (74 percent of total government).

The establishment survey counts workers each time they appear on a payroll during the reference week (as with the CPS, the week including the 12th of the month). Thus, unlike the CPS, a person with two jobs is counted twice. The establishment survey is designed to provide detailed industry information for the Nation, States, and metropolitan areas on nonagricultural wage and salary employment, average weekly hours, and average hourly and weekly earnings. Establishment survey data are published in *Employment and Earnings* and the *Monthly Labor Review*, cited above. Historical national and geographic data are published in *BLS Bulletin 1312-12, Employment,*

Hours, and Earnings, United States, 1909-84 and Bulletin 2320, Employment, Hours, and Earnings is forthcoming.

Labor force.—According to the CPS definitions, the civilian labor force comprises all civilians in the noninstitutional population 16 years and over classified as “employed” or “unemployed” according to the criteria below: Employed civilians comprise (a) all civilians, who, during the reference week, did any work for pay or profit (minimum of an hour’s work) or worked 15 hours or more as unpaid workers in a family enterprise, and (b) all civilians who were not working but who had jobs or businesses from which they were temporarily absent for noneconomic reasons (illness, weather conditions, vacation, labor-management dispute, etc.). Unemployed persons comprise all civilians who had no employment during the reference week, who made specific efforts to find a job within the previous four weeks (such as applying directly to an employer, or to a public employment service, or checking with friends) and who were available for work during that week, except for temporary illness. Persons on layoff from a job or waiting to report to a new job within 30 days are also classified as unemployed if they are available for work. All other civilian persons, 16 years old and over, are “not in the labor force.” The labor force includes, in addition to the civilian employed and unemployed, members of the Armed Forces stationed in the United States. They are also included in the employed totals.

Beginning in 1982, changes in the estimation procedures and the introduction of 1980 census data caused substantial increases in the population and estimates of persons in all labor force categories. Rates on labor force characteristics, however, were essentially unchanged. In order to avoid major breaks in series, some 30,000 labor force series were adjusted back to 1970. The effect of the 1982 revisions on various data series and an explanation of the adjustment procedure used are described in “Revisions in the Current Population Survey in January 1982,” in the February 1982 issue of *Employment and Earnings*. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1985, the CPS estimation procedure was revised due to the implementation of a new sample design. A description of the changes and an indication of their effect on the national estimates of labor force characteristics appear in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985” in the February 1985 issue of *Employment and Earnings*. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin, which were revised to the extent possible, back to January 1980.

Beginning in January 1986, the CPS estimation procedure was revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of legal foreign-born emigrants for the same time period. The revisions had a comparatively small effect on the total population and labor force estimates, but their effect on the estimates of persons of Hispanic origin was more pronounced. As a result, data for Hispanics, to the extent possible, were again revised back to January 1980. An explanation of the changes and their effect on estimates of labor force characteristics appears in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986” in the February 1986 issue of *Employment and Earnings*.

Hours and earnings.—Average hourly earnings, based on establishment data, are gross earnings (i.e., earnings before payroll deductions) and include overtime premiums; they exclude irregular bonuses and value of payments in kind. Hours are those for which pay was received. Wages and salaries from the CPS consist of total monies received for work performed by an employee during the income year. It includes wages, salaries, commissions, tips, piece-rate payments, and cash bonuses earned before deductions were made for taxes, bonds, union dues, etc. Persons who worked 35 hours or more are classified as working full time (see table B42).

Industrial and occupational groups.—Establishments responding to the establishment survey are classified into industries on the basis of their principal product or activity (determined by annual sales volume) in accordance with the Standard Industrial Classification (SIC) Manual, Office of Management and Budget. The SIC is a classification structure for the entire national economy. The structure provides data on a division and industry code basis, according to the level of industrial detail. For example, manufacturing is a major industrial division, food and kindred products (code 20) is one of its major groups. One of the ways this group is further divided is into meat products (code 201) and meat packing plants (code 2011). Periodically, the SIC is revised to reflect changes in the industrial composition of the economy. (The 1987 SIC Manual has been issued. Unless otherwise stated, data shown in this *Abstract* are classified according to the 1972 SIC).

Industry data derived from the CPS beginning in January 1983 utilize the industrial classification developed for the 1980 Census of Population. CPS data from 1971 to 1982 were based on the

1970 census classification system. Both population census systems are developed from the SIC. The 1970 system is based on the 1967 SIC, whereas, the 1980 system relates to the 1972 edition, as modified in 1977. Most of the industry categories were not affected by the change in classification.

The occupational classification system used in the 1980 census and in the CPS beginning in January 1983, evolved from the 1980 Standard Occupational Classification (SOC) system, first introduced in 1977. Occupational categories used in the 1980 census classification system are so radically different from the 1970 census system used in the CPS through 1982, that their implementation represented a break in historical data series. In cases where data have not yet been converted to the 1980 classifications and still reflect the 1970 classifications, comparisons between the two systems should not be made. To help users bridge the data gap, a limited set of estimates was developed for the 1972-1982 period based on the new classifications. The estimates were developed by means of applying conversion factors created by double coding a 20-percent sample of CPS occupational records for 6 months during 1981-82. For further details, contact BLS.

Productivity.—The Bureau of Labor Statistics (BLS) publishes data on productivity as measured by output per hour (labor productivity), output per combined unit of labor and capital input (multifactor productivity), and, for manufacturing industries, output per combined unit of capital, labor, energy, materials, and purchased service inputs. Labor productivity and related indexes are published for the business sector as a whole and its major subsectors: nonfarm business, manufacturing, nonfinancial corporations, 146 specific industries, and various functional areas of the Federal civilian government. Multifactor productivity and related measures are published for the private business sector and its major subsectors. Productivity indexes which take into account capital, labor, energy, materials, and service inputs are published for the 20 major 2-digit industry groups which comprise the manufacturing sector, and for the steel and motor vehicle industries. The major sector data are published in the BLS quarterly news release, *Productivity and Costs* and in the annual *Multifactor Productivity Measures* release. The specific industry productivity measures are published annually in the BLS Bulletin, *Productivity Measures for Selected Industries*, and the *Handbook of Labor Statistics*. Detailed information on methods, limitations, and data sources appears in the *BLS Handbook of Methods*, BLS Bulletin 2285 (1988), chapters 10 and 11.

Unions.—As defined here, unions include traditional labor unions and employee associations similar to labor unions. Data on union membership status provided by BLS are for employed wage and salary workers and relate to their principal job. Earnings by union membership status are usual weekly earnings of full-time wage and salary workers. The information is collected through the Current Population Survey. For a full description of the method of collection and comparability with earlier data, see "New Data on Union Members and Their Earnings" in the January 1985 issue of *Employment and Earnings*, and "Changing Employment Patterns of Organized Workers" in the February 1985 issue of the *Monthly Labor Review*. Collective bargaining settlements data are available for bargaining situations involving 1,000 or more workers in private industry and State and local government.

Work stoppages.—Work stoppages include all strikes and lockouts known to BLS which last for at least one full day or shift and involve 1,000 or more workers. All stoppages, whether or not authorized by a union, legal or illegal, are counted. Excluded are work slowdowns and instances where employees report to work late, or leave early, to attend mass meetings or mass rallies.

Seasonal adjustment.—Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation (e.g., climate or school openings and closings), it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but also are affected by the uncertainties of the adjustment process itself.

Statistical reliability.—For discussion of statistical collection, estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau and BLS data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

No. 624. EMPLOYMENT STATUS OF THE NONINSTITUTIONAL POPULATION 16 YEARS OLD AND OVER: 1950 TO 1988

[In thousands, except as indicated. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 11-19 and D 85-86]

YEAR	Noninstitutional population	LABOR FORCE								Not in labor force
		Number	Employed					Unemployed		
			Total	Resident Armed Forces	Civilian			Number	Percent of labor force ¹	
					Total	Agriculture	Non agricultural industries			
1950.....	106,164	63,377	60,087	1,169	58,918	7,160	51,758	3,288	5.2	42,787
1960.....	119,106	71,489	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617
1965.....	128,459	76,401	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058
1970.....	139,203	84,889	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315
1975.....	154,831	95,453	87,524	1,676	85,846	3,408	82,438	7,929	8.3	59,377
1976.....	157,818	97,826	90,420	1,868	88,552	3,331	85,221	7,406	7.6	58,991
1977.....	160,689	100,665	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025
1978.....	163,541	103,882	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659
1979.....	166,460	106,559	100,421	1,597	98,824	3,347	95,477	6,137	5.8	58,900
1980.....	169,349	108,544	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806
1981.....	171,775	110,315	102,042	1,645	100,397	3,388	97,030	8,273	7.5	61,460
1982.....	173,939	111,872	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067
1983.....	175,891	113,226	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665
1984.....	178,080	115,241	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839
1985.....	179,912	117,167	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744
1986.....	182,293	119,540	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752
1987.....	184,490	121,602	114,177	1,737	112,440	3,208	109,232	7,425	6.1	62,888
1988.....	186,322	123,378	116,677	1,709	114,968	3,169	111,800	6,701	5.4	62,944
PERCENT DISTRIBUTION										
1950.....	100.0	59.7	56.6	1.1	55.5	6.7	48.8	3.1	(X)	40.3
1960.....	100.0	60.0	56.8	1.6	55.2	4.6	50.6	3.2	(X)	40.0
1970.....	100.0	61.0	58.0	1.5	56.5	2.5	54.0	2.9	(X)	39.0
1980.....	100.0	64.1	59.6	.9	58.6	2.0	56.7	4.5	(X)	35.9
1985.....	100.0	65.1	60.5	.9	59.6	1.8	57.8	4.6	(X)	34.9
1988.....	100.0	66.2	62.6	.9	61.7	1.7	60.0	3.6	(X)	33.8

X Not applicable. ¹ Unemployment as a percent of the labor force, including resident Armed Forces.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 625. CIVILIAN LABOR FORCE AND PARTICIPATION RATES BY RACE, HISPANIC ORIGIN, SEX, AND AGE, 1970 TO 1988, AND PROJECTIONS, 2000

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Rates are based on annual average civilian noninstitutional population of each specified group and represent proportion of each specified group in the civilian labor force. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 42-48]

RACE, SEX, AND AGE	CIVILIAN LABOR FORCE (millions)							PARTICIPATION RATE (percent)						
	1970	1975	1980	1985	1987	1988	2000	1970	1975	1980	1985	1987	1988	2000
Total¹	82.8	93.8	106.9	115.5	119.9	121.7	141.1	60.4	61.2	63.8	64.8	65.6	65.9	69.0
White.....	73.6	82.8	93.6	99.9	103.3	104.8	119.0	60.2	61.5	64.1	65.0	65.8	66.2	69.5
Male.....	46.0	50.3	54.5	56.5	57.8	58.3	63.3	60.0	78.7	78.2	77.0	78.8	78.9	76.6
Female.....	27.5	32.5	39.1	43.5	45.5	46.4	55.7	42.6	45.9	51.2	54.1	55.7	56.4	62.9
Black ²	9.2	9.3	10.9	12.4	13.0	13.2	16.5	61.8	58.8	61.0	62.9	63.8	63.8	66.5
Male.....	5.2	5.0	5.6	6.2	6.5	6.6	8.0	76.5	71.0	70.6	70.8	71.1	71.0	71.4
Female.....	4.0	4.2	5.3	6.1	6.5	6.6	8.5	49.5	48.9	53.2	56.5	58.0	58.0	62.5
Hispanic ³	(NA)	(NA)	6.1	7.7	8.5	9.0	14.3	(NA)	(NA)	64.0	64.6	66.4	67.4	69.9
Male.....	(NA)	(NA)	3.8	4.7	5.2	5.4	8.3	(NA)	(NA)	81.4	80.3	81.0	81.9	80.3
Female.....	(NA)	(NA)	2.3	3.0	3.4	3.6	6.0	(NA)	(NA)	47.4	49.3	52.0	53.2	59.4
Male.....	51.2	56.3	61.5	64.4	66.2	66.9	74.3	79.7	77.9	77.4	76.3	76.2	76.2	75.9
16-19 years.....	4.0	4.8	5.0	4.1	4.1	4.2	4.4	56.1	59.1	60.5	56.8	58.1	56.9	59.0
18 and 17 years.....	1.8	2.1	2.1	1.7	1.7	1.7	1.9	47.0	48.8	50.1	45.1	45.6	46.1	48.9
18 and 19 years.....	2.2	2.7	2.9	2.5	2.4	2.4	2.5	66.7	70.6	71.3	68.9	67.4	68.1	69.7
25-34 years.....	5.7	7.6	8.6	8.3	7.8	7.6	8.9	63.3	64.5	65.9	65.0	65.0	65.0	66.5
35-44 years.....	11.3	14.2	17.0	19.9	19.7	19.7	16.8	96.4	95.2	94.7	94.6	94.6	94.3	94.1
45-54 years.....	10.5	10.4	11.8	14.5	15.6	16.1	20.2	96.9	95.6	95.5	95.0	94.6	94.5	94.3
55-64 years.....	10.4	10.4	9.9	9.9	10.2	10.8	16.4	94.3	92.1	91.2	91.0	90.7	90.9	90.5
65 years and over.....	2.1	7.0	7.2	7.1	6.9	6.8	7.8	83.0	75.6	72.1	67.9	67.6	67.0	68.1
65 years and over.....	7.2	1.9	1.9	1.8	1.9	2.0	2.0	26.8	21.6	19.0	15.8	16.3	16.5	14.7
Female.....	31.5	37.5	45.5	51.1	53.7	54.7	66.8	43.3	46.3	51.5	54.5	56.0	56.6	62.6
16-19 years.....	3.2	4.1	4.4	3.8	3.9	3.9	4.4	44.0	49.1	52.9	52.1	53.3	53.6	59.5
16 and 17 years.....	1.3	1.7	1.8	1.5	1.6	1.6	1.8	34.9	40.2	43.6	42.1	44.6	44.0	49.8
18 and 19 years.....	1.9	2.4	2.6	2.3	2.2	2.3	2.6	53.5	58.1	61.9	61.7	62.2	62.9	69.0
20-24 years.....	4.9	6.2	7.3	7.4	7.1	6.9	6.7	57.7	64.1	68.9	71.8	73.0	72.7	77.9
25-34 years.....	5.7	8.7	12.3	14.7	15.6	15.8	15.1	45.0	54.9	65.5	70.9	72.4	72.7	82.4
35-44 years.....	6.0	6.5	8.6	11.6	12.9	13.4	18.6	51.1	55.8	65.5	71.8	74.5	75.2	84.9
45-54 years.....	6.5	6.7	7.0	7.5	8.0	8.5	14.4	54.4	64.6	69.9	64.4	67.1	68.0	76.5
55-64 years.....	4.2	4.3	4.7	4.9	4.9	5.0	6.1	43.0	40.9	41.3	42.0	42.7	43.5	49.0
65 years and over.....	1.1	1.0	1.2	1.2	1.2	1.3	1.4	9.7	8.2	8.1	7.3	7.4	7.9	7.6

NA Not available. ¹ Beginning 1975, includes other races not shown separately. ² For 1970, Black and other.

³ Hispanic persons may be of any race.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; *Monthly Labor Review*, November 1989; and unpublished data.

NO. 626. HISPANIC PERSONS—CIVILIAN LABOR FORCE PARTICIPATION: 1987 AND 1988

[For civilian noninstitutional population, 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	1987					1988				
	Total	Mexican	Puerto Rican	Cuban	Other Hispanic origin ¹	Total	Mexican	Puerto Rican	Cuban	Other Hispanic origin ¹
Total (1,000)	12,867	7,651	1,540	819	2,857	13,325	8,013	1,599	849	2,864
Percent in labor force: Male.....	81.0	82.7	72.3	77.6	81.4	81.9	84.2	72.8	78.9	80.4
Female.....	52.0	52.4	39.3	55.8	57.1	53.2	53.9	41.4	54.9	57.8
Employed (1,000)	7,790	5,690	744	518	1,838	8,250	5,066	807	537	1,840
Percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional	13.1	10.9	14.1	22.2	15.5	13.2	10.2	15.8	24.2	16.9
Tech., sales, and admin. support	25.3	22.8	29.4	34.9	27.3	25.0	22.1	28.7	34.6	28.6
Service	17.6	16.9	17.7	11.8	20.8	18.9	19.2	17.7	11.2	21.0
Precision production, craft, and repair	13.9	14.7	12.8	13.0	12.7	13.5	14.3	13.6	11.7	11.9
Operators, fabricators and laborers	24.3	26.1	24.6	17.0	21.5	23.9	26.2	23.6	17.7	19.7
Farming, forestry, and fishing occupations	5.9	8.6	1.3	1.2	2.3	5.4	8.0	.7	.6	1.8
Percent unemployed: Male.....	8.7	9.5	10.4	5.1	6.7	8.1	8.7	9.0	4.8	6.5
Female.....	8.9	10.4	9.6	5.3	6.0	8.3	9.6	8.1	5.2	6.1

¹ Includes Central or South American and other Hispanic origin.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 627. CIVILIAN LABOR FORCE AND PARTICIPATION RATES, BY EDUCATIONAL ATTAINMENT, SEX, AND RACE: 1970 TO 1988

[As of March. For civilian noninstitutional population 25 to 64 years of age. See headnote, table 625]

ITEM	CIVILIAN LABOR FORCE					PARTICIPATION RATE ¹				
	Total (1,000)	Percent distribution				Total	Less than high school	High school graduate	College	
		Less than high school	High school graduate	1-3 years	4 years or more				1-3 years	4 years or more
Total: ² 1970	61,765	36.1	38.1	11.8	14.1	70.3	65.5	70.2	73.8	82.3
1975.....	67,774	27.5	39.7	14.4	18.3	70.5	61.6	70.5	75.7	84.5
1980.....	78,010	20.6	39.8	17.6	22.0	73.9	60.7	74.2	79.5	86.1
1985.....	88,424	15.9	40.2	19.0	24.9	76.2	59.9	75.9	81.6	87.7
1986.....	90,500	15.9	40.2	19.5	24.8	76.4	60.4	76.0	81.2	87.6
1987.....	92,966	14.9	40.2	19.7	25.3	77.2	60.9	76.6	81.9	88.1
1988.....	94,870	14.7	39.9	19.7	25.7	77.5	60.8	76.9	82.5	88.4
Male: 1970	39,303	37.9	34.5	12.2	15.7	83.5	89.9	96.3	95.8	96.1
1975.....	41,628	28.9	36.1	14.8	20.2	80.3	82.6	93.2	93.3	95.7
1980.....	45,417	22.2	35.7	17.7	24.3	89.4	78.8	91.9	92.4	95.3
1985.....	49,647	17.7	36.9	18.3	27.1	88.6	72.2	90.0	91.2	94.6
1986.....	50,733	17.2	37.0	18.9	26.9	88.4	75.9	89.8	91.0	94.0
1987.....	51,860	16.8	37.1	18.9	27.2	88.8	77.2	89.6	91.9	94.2
1988.....	52,616	16.5	37.3	18.5	27.8	88.6	76.4	89.5	91.3	94.4
Female: 1970	22,462	33.5	44.3	10.9	11.2	49.0	43.0	51.3	50.9	60.9
1975.....	26,146	26.5	45.5	13.9	14.1	52.3	44.1	53.9	57.3	62.7
1980.....	32,583	18.4	45.4	17.4	18.7	59.5	43.7	61.2	66.4	73.4
1985.....	38,779	13.7	44.4	19.9	22.0	64.7	44.3	65.0	72.5	78.6
1986.....	39,767	13.2	44.3	20.3	22.2	65.1	45.1	65.3	71.9	78.8
1987.....	41,105	12.5	44.0	20.7	22.8	66.2	44.9	66.4	72.7	80.3
1988.....	42,254	12.4	43.3	21.2	23.1	67.1	45.4	66.9	74.7	80.8
White: 1970	55,044	33.7	39.3	12.2	14.8	70.1	65.2	69.7	73.3	81.9
1975.....	60,026	25.7	40.6	14.7	19.0	70.7	61.9	70.1	75.3	84.5
1980.....	68,509	19.1	40.2	17.7	22.9	74.2	61.4	73.7	79.2	86.0
1985.....	76,739	14.7	40.7	19.1	25.6	76.6	60.7	75.8	81.1	87.7
1986.....	78,225	14.5	40.4	19.5	25.6	76.7	61.2	75.7	80.8	87.6
1987.....	80,205	13.9	40.4	19.6	26.1	77.5	61.6	76.6	81.6	88.2
1988.....	81,886	13.8	40.1	19.7	26.4	78.1	62.2	76.9	82.2	88.6
Black: 1970	6,721	55.5	28.2	8.0	8.3	72.0	67.1	76.8	81.0	87.4
1975.....	7,586	41.9	33.1	12.4	12.6	69.8	60.9	75.1	79.7	85.1
1980.....	7,731	34.7	38.1	16.3	11.0	71.5	59.1	79.2	82.0	90.1
1985.....	9,157	26.2	39.5	19.2	15.0	73.4	57.0	77.2	85.6	89.9
1986.....	9,569	23.9	41.1	20.1	14.8	74.7	57.7	78.4	84.8	91.7
1987.....	9,797	23.6	42.4	19.9	14.1	74.7	58.8	77.6	84.5	90.4
1988.....	9,985	22.6	43.0	19.2	15.2	74.3	56.2	77.9	85.8	90.6

¹ Percent of the civilian population in each group in the civilian labor force. ² Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and unpublished data.

NO. 628. EMPLOYMENT STATUS OF THE CIVILIAN NONINSTITUTIONAL POPULATION 16 YEARS OLD AND OVER BY SEX, RACE, AND HISPANIC ORIGIN: 1960 TO 1988

 [In thousands, except as indicated. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1, and Appendix III. See also *Historical Statistics, Colonial Times to 1970, Series D 11-19 and D 85-88*]

YEAR, SEX, RACE, AND HISPANIC ORIGIN	Civilian noninstitutional population	CIVILIAN LABOR FORCE						NOT IN LABOR FORCE	
		Total	Percent of population	Employed	Employment/population ratio ¹	Unemployed		Number	Percent of population
						Number	Percent of labor force		
Total²									
1960.....	117,245	69,628	59.4	65,778	56.1	3,852	5.5	47,617	40.6
1970.....	137,086	82,771	60.4	78,678	57.4	4,093	4.9	54,315	39.6
1980.....	167,745	106,940	63.8	99,303	59.2	7,637	7.1	60,906	36.2
1982.....	172,271	110,204	64.0	99,526	57.8	10,678	9.7	62,067	36.0
1983.....	174,215	111,550	64.0	100,834	57.9	10,717	9.8	62,665	36.0
1984.....	176,383	113,544	64.4	105,005	59.5	8,539	7.5	63,939	35.6
1985.....	178,206	115,481	64.8	107,150	60.1	8,312	7.2	62,744	35.2
1986.....	180,587	117,834	65.3	109,597	60.7	8,237	7.0	62,752	34.7
1987.....	182,753	119,865	65.6	112,440	61.5	7,425	6.2	62,888	34.4
1988.....	184,613	121,669	65.9	114,968	62.3	6,701	5.5	62,944	34.1
Male:									
1960.....	55,662	46,388	83.3	43,904	78.9	2,486	5.4	9,274	16.7
1970.....	64,304	51,228	79.7	48,990	76.2	2,238	4.4	13,076	20.3
1980.....	79,398	61,453	77.4	57,186	72.0	4,267	6.9	17,945	22.7
1982.....	81,523	62,450	76.6	56,271	69.0	6,179	9.9	19,073	23.4
1983.....	82,531	63,047	76.4	56,787	68.8	6,260	9.9	19,484	23.6
1984.....	83,605	63,835	76.4	59,091	70.7	4,744	7.4	19,771	23.6
1985.....	84,469	64,411	76.3	59,891	70.9	4,521	7.0	20,058	23.7
1986.....	85,738	65,422	76.3	60,892	71.0	4,530	6.9	20,376	23.7
1987.....	86,899	66,207	76.2	62,107	71.5	4,101	6.2	20,692	23.8
1988.....	87,657	66,927	76.2	63,273	72.0	3,656	5.5	20,930	23.8
Female:									
1960.....	61,582	23,240	37.7	21,874	35.5	1,366	5.9	38,343	62.3
1970.....	72,782	31,543	43.3	29,688	40.8	1,855	5.9	41,239	56.7
1980.....	88,348	45,487	51.5	42,117	47.7	3,370	7.4	42,861	48.5
1982.....	90,748	47,755	52.6	43,256	47.7	4,499	9.4	42,993	47.4
1983.....	91,684	48,503	52.9	44,047	48.0	4,457	9.2	43,181	47.1
1984.....	92,778	49,709	53.6	45,915	49.5	3,794	7.6	43,098	46.4
1985.....	93,736	51,050	54.5	47,259	50.4	3,791	7.4	42,686	45.5
1986.....	94,789	52,413	55.3	48,706	51.4	3,707	7.1	42,378	44.7
1987.....	95,853	53,658	56.0	50,334	52.5	3,324	6.2	42,195	44.0
1988.....	96,756	54,742	56.6	51,696	53.4	3,046	5.6	42,014	43.4
White:									
1960.....	105,282	61,915	58.8	58,850	55.9	3,066	5.0	43,367	41.1
1970.....	122,174	73,556	60.2	70,217	57.5	3,339	4.5	48,618	39.8
1980.....	146,122	93,600	64.1	87,715	60.0	5,884	6.3	52,522	35.9
1982.....	149,441	96,143	64.3	87,903	58.8	8,241	8.6	53,296	35.7
1983.....	150,805	97,021	64.3	88,893	58.9	8,128	8.4	53,784	35.7
1984.....	152,347	98,492	64.6	92,120	60.5	6,372	6.5	53,955	35.4
1985.....	153,679	99,926	65.0	93,736	61.0	6,191	6.2	53,753	35.0
1986.....	155,432	101,801	65.5	95,620	61.5	6,180	6.1	53,631	34.5
1987.....	156,958	103,290	65.9	97,789	62.3	5,501	5.3	53,669	34.2
1988.....	158,194	104,756	66.2	99,612	63.1	4,944	4.7	53,439	33.8
Black:									
1973.....	14,917	8,976	60.2	8,128	54.5	846	9.4	5,941	39.8
1980.....	17,824	10,865	61.0	9,313	52.2	1,553	14.3	6,959	39.0
1982.....	18,584	11,331	61.0	9,189	49.4	2,142	18.9	7,254	39.0
1983.....	18,925	11,647	61.5	9,376	49.5	2,272	19.6	7,278	38.5
1984.....	19,348	12,033	62.2	10,119	52.3	1,914	15.9	7,315	37.9
1985.....	19,664	12,364	62.9	10,501	53.4	1,864	15.1	7,289	37.1
1986.....	19,989	12,654	63.3	10,814	54.1	1,840	14.5	7,335	36.7
1987.....	20,352	12,993	63.8	11,309	55.6	1,684	13.0	7,359	36.2
1988.....	20,992	13,205	63.8	11,658	56.3	1,547	11.7	7,487	36.2
Hispanic:³									
1980.....	9,598	6,146	64.0	5,527	57.6	620	10.1	3,452	36.0
1982.....	10,680	6,734	63.6	5,805	54.9	929	13.8	3,846	36.4
1983.....	11,029	7,033	63.8	6,072	55.1	961	13.7	3,996	36.2
1984.....	11,478	7,451	64.9	6,651	57.9	800	10.7	4,027	35.1
1985.....	11,915	7,698	64.6	6,888	57.8	811	10.5	4,217	35.4
1986.....	12,344	8,076	65.4	7,219	58.5	857	10.6	4,269	34.6
1987.....	12,867	8,541	66.4	7,790	60.5	751	8.9	4,327	33.6
1988.....	13,325	8,982	67.4	8,250	61.9	732	8.2	4,342	32.6
Mexican:									
1986.....	7,377	4,941	67.0	4,387	59.5	555	11.2	2,436	33.0
1987.....	7,851	5,203	66.3	4,690	61.3	514	9.9	2,448	32.0
1988.....	8,013	5,572	69.5	5,066	63.2	506	9.1	2,441	30.5
Puerto Rican:									
1986.....	1,494	804	53.8	691	46.3	113	14.0	690	46.2
1987.....	1,540	827	53.7	744	48.3	83	10.1	713	46.3
1988.....	1,599	863	55.2	807	50.5	76	8.6	716	44.8
Cuban:									
1986.....	942	570	60.7	533	63.3	36	6.4	272	32.3
1987.....	819	546	66.7	518	63.2	26	5.2	273	33.3
1988.....	849	565	66.5	537	63.3	28	5.0	284	33.5

¹ Civilian employed as a percent of the civilian noninstitutional population. ² Includes other races, not shown separately.

³ Hispanic persons may be of any race. Includes persons of other Hispanic origin, not shown separately.

 Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 629. CHARACTERISTICS OF THE CIVILIAN LABOR FORCE, BY STATE: 1988

[In thousands, except ratio and rate. For civilian noninstitutional population, 16 years old and over. Annual averages of monthly figures. U.S. totals derived by independent population controls; therefore State data may not add to U.S. totals. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION AND STATE	TOTAL		EMPLOYED		Em- ployed/ popula- tion ratio ¹	UNEMPLOYED					PARTICIPA- TION RATE ²	
	Num- ber	Fe- male	Total	Fe- male		Total		Rate ²			Male	Fe- male
					Number	Fe- male	Total	Male	Fe- male			
United States	121,669	54,742	114,968	51,696	62.3	6,701	3,046	5.5	5.5	5.6	76.2	56.6
Region:												
Northeast.....	25,199	11,332	24,180	10,894	61.8	1,019	438	4.0	4.2	3.9	75.3	54.4
Midwest.....	30,266	13,668	28,517	12,893	63.1	1,749	776	5.8	5.9	5.7	77.1	57.8
South.....	41,285	18,720	36,759	17,485	61.3	2,528	1,235	6.1	5.7	6.6	75.4	56.3
West.....	24,990	11,056	23,581	10,457	63.5	1,409	600	5.6	5.8	5.4	77.3	57.9
New England	6,918	3,210	6,701	3,116	66.6	216	94	3.1	3.3	2.9	76.3	60.2
Maine.....	598	278	576	268	62.9	22	11	3.8	3.7	3.8	74.9	57.0
New Hampshire.....	606	269	591	262	70.9	15	8	2.4	2.1	2.9	82.4	63.3
Vermont.....	298	137	289	133	68.9	8	4	2.8	2.7	2.9	79.5	62.8
Massachusetts.....	3,144	1,477	3,041	1,431	66.2	103	47	3.3	3.4	3.1	78.1	60.0
Rhode Island.....	526	244	510	237	66.3	18	7	3.1	3.3	2.8	77.0	60.5
Connecticut.....	1,748	805	1,694	786	67.0	52	19	3.0	3.5	2.3	78.9	60.3
Middle Atlantic	16,261	8,121	17,479	7,778	59.8	803	343	4.4	4.5	4.2	74.2	52.4
New York.....	8,522	3,775	8,164	3,626	59.2	358	149	4.2	4.4	3.9	73.7	51.3
New Jersey.....	3,978	1,776	3,827	1,708	63.4	151	68	3.8	3.8	3.9	77.1	55.9
Pennsylvania.....	5,760	2,570	5,486	2,444	58.6	294	126	5.1	5.2	4.9	73.1	51.6
East North Central	21,066	9,462	19,746	8,894	62.0	1,320	568	6.3	6.5	6.0	76.5	56.7
Ohio.....	5,329	2,350	5,008	2,225	60.7	320	134	6.0	6.3	5.7	75.8	54.5
Indiana.....	2,817	1,310	2,668	1,241	63.4	150	65	5.3	5.4	5.2	76.4	58.6
Illinois.....	5,766	2,582	5,374	2,413	61.6	392	189	6.8	7.0	6.6	77.3	56.0
Michigan.....	4,580	2,051	4,232	1,901	60.2	348	150	7.6	7.8	7.3	74.9	56.2
Wisconsin.....	2,575	1,160	2,465	1,114	67.4	110	46	4.3	4.5	3.9	79.6	61.8
West North Central	9,200	4,207	8,771	3,999	65.9	429	208	4.7	4.4	4.9	78.5	60.6
Minnesota.....	2,327	1,053	2,233	1,006	68.9	94	46	4.0	3.7	4.4	81.1	63.0
Iowa.....	1,500	693	1,433	653	66.7	67	31	4.5	4.5	4.5	78.7	61.5
Missouri.....	2,593	1,214	2,445	1,141	62.8	148	73	5.7	5.4	6.0	75.9	58.4
North Dakota.....	329	146	313	139	65.5	16	7	4.8	4.8	4.8	77.6	60.2
South Dakota.....	358	163	344	157	66.2	14	6	3.9	4.0	3.9	78.4	60.2
Nebraska.....	817	375	786	360	66.4	29	14	3.6	3.4	3.8	78.0	60.5
Kansas.....	1,277	579	1,216	543	66.2	61	30	4.8	4.4	5.2	79.4	60.2
South Atlantic	21,304	9,859	20,285	9,330	62.8	1,019	529	4.8	4.3	5.4	75.2	57.8
Delaware.....	349	164	338	159	67.6	11	5	3.2	3.4	2.9	78.1	62.4
Maryland.....	2,465	1,146	2,355	1,085	66.7	110	61	4.5	3.7	5.3	78.6	61.8
District of Columbia.....	337	171	320	163	67.7	17	8	5.0	5.2	4.7	76.5	66.7
Virginia.....	3,093	1,422	2,973	1,357	66.5	120	65	3.9	3.3	4.6	78.3	60.9
West Virginia.....	743	321	669	292	46.2	74	29	9.9	10.5	9.2	63.2	41.1
North Carolina.....	3,343	1,538	3,222	1,474	65.6	121	64	3.6	3.1	4.2	77.0	59.9
South Carolina.....	1,680	771	1,604	729	62.6	78	42	4.5	3.8	5.4	75.9	56.5
Georgia.....	3,182	1,500	3,007	1,403	64.1	185	97	5.8	5.2	6.5	77.7	59.7
Florida.....	6,104	2,826	5,800	2,668	59.8	305	158	5.0	4.5	5.6	71.6	55.2
East South Central	7,092	3,170	6,589	2,919	57.3	503	251	7.1	6.4	7.9	72.9	51.8
Kentucky.....	1,710	762	1,575	697	56.6	134	65	7.9	7.3	8.5	73.7	50.9
Tennessee.....	2,351	1,058	2,214	992	59.2	136	66	5.8	5.4	6.3	72.8	53.9
Alabama.....	1,687	838	1,751	768	58.8	136	70	7.2	6.3	8.4	73.3	50.8
Mississippi.....	1,144	511	1,048	462	55.4	96	49	8.4	7.4	9.7	71.6	50.8
West South Central	12,889	5,692	11,665	5,237	61.3	1,004	464	7.8	7.6	8.0	77.3	56.4
Arkansas.....	1,123	505	1,037	460	57.3	86	45	7.7	6.6	9.0	71.8	53.3
Louisiana.....	1,921	839	1,712	745	55.9	209	88	10.9	11.1	10.6	72.5	49.7
Oklahoma.....	1,533	694	1,431	649	59.8	102	45	6.7	6.8	6.5	74.3	54.6
Texas.....	8,308	3,658	7,702	3,383	64.1	606	276	7.3	7.1	7.5	79.9	59.1
Mountain	6,493	2,926	6,090	2,756	63.3	404	172	6.2	6.5	5.9	76.7	56.9
Montana.....	401	180	374	168	62.9	27	12	6.8	6.9	6.6	76.5	58.9
Idaho.....	475	208	447	196	62.8	28	12	5.8	6.0	5.6	76.5	57.4
Wyoming.....	232	102	217	96	64.6	15	6	6.3	6.8	5.7	78.4	59.8
Colorado.....	1,699	798	1,590	749	65.3	109	48	6.4	6.7	6.0	79.1	61.6
New Mexico.....	688	303	635	280	58.5	54	23	7.8	7.9	7.6	74.3	53.5
Arizona.....	1,654	744	1,550	701	60.5	104	43	6.3	6.7	5.7	73.3	58.4
Utah.....	759	332	722	315	65.8	37	17	4.9	4.7	5.1	78.3	59.4
Nevada.....	587	262	556	251	69.2	30	12	5.2	5.8	4.4	79.7	66.1
Pacific	16,497	8,128	17,491	7,701	63.6	1,005	428	5.4	5.6	5.3	77.5	57.6
Washington.....	2,295	1,057	2,159	994	62.5	141	63	6.2	6.3	6.0	74.1	59.5
Oregon.....	1,408	634	1,326	596	63.3	82	39	5.8	5.6	6.1	75.7	59.0
California.....	14,036	6,082	13,292	5,773	63.8	743	310	5.3	5.4	5.1	78.3	57.0
Alaska.....	242	110	219	101	65.3	23	9	9.3	10.4	8.1	80.3	64.1
Hawaii.....	516	244	500	237	64.6	16	7	3.2	3.4	3.0	74.3	60.0

¹ Civilian employment as a percent of civilian noninstitutional population. ² Percent unemployed of the civilian labor force. ³ Percent of civilian noninstitutional population of each specified group in the civilian labor force.

Source: U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment, 1988*.

NO. 630. CIVILIAN LABOR FORCE STATUS BY SELECTED METROPOLITAN AREA: 1988

[In thousands, except rate. For the civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Data for metro areas, based on administrative records, see source for details. For composition of metropolitan areas, see Appendix II. See table 670 for average annual pay data]

METROPOLITAN AREAS RANKED BY POPULATION SIZE, 1988	Em- ployed	UNEMPLOYED		METROPOLITAN AREAS RANKED BY POPULATION SIZE, 1988	Em- ployed	UNEMPLOYED	
		Total	Rate ¹			Total	Rate ¹
U.S. total	114,968	6,701	5.5	Kansas City, MO-KS MSA.....	802.2	44.9	5.3
New York-Northern New Jersey- Long Island, NY-NJ-CT CMSA ²	8,462.5	342.0	3.9	Milwaukee-Racine, WI CMSA.....	619.9	32.7	3.8
Los Angeles-Anaheim-Riverside, CA CMSA.....	6,492.4	317.8	4.7	Portland-Vancouver, OR-WA CMSA ⁷	610.2	30.5	4.8
Chicago-Gary-Lake County (IL), IL- IN-WI CMSA.....	3,866.5	253.3	6.1	Sacramento, CA MSA.....	663.4	37.6	5.4
San Francisco-Oakland-San Jose, CA CMSA ³	3,032.2	133.5	4.2	Norfolk-Virginia Beach-Newport News, VA MSA.....	584.5	27.5	4.5
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA.....	2,832.4	120.4	4.1	Columbus, OH MSA.....	676.5	35.0	4.9
Detroit-Ann Arbor, MI CMSA.....	2,186.2	174.7	7.4	San Antonio, TX MSA.....	560.6	47.7	7.8
Dallas-Fort Worth, TX CMSA.....	2,020.3	127.3	5.9	New Orleans, LA MSA.....	540.7	56.6	9.5
Boston-Lawrence-Salem-Lowell- Brookton, MA NECMA.....	1,987.8	61.7	3.0	Indianapolis, IN MSA.....	643.8	31.2	4.6
Washington, DC-MD-VA MSA.....	2,136.7	64.7	2.9	Buffalo-Niagara Falls, NY CMSA ⁴	427.1	22.6	5.0
Houston-Galveston-Brazoria, TX CMSA.....	1,686.5	127.1	7.0	Charlotte-Gastonia-Rock Hill, NC-SC MSA.....	614.0	20.0	3.2
Miami-Fort Lauderdale, FL CMSA.....	1,500.1	76.5	4.9	Hartford-New Britain-Middletown- Bristol, CT NECMA.....	590.7	17.0	2.8
Cleveland-Akron-Lorain, OH CMSA ⁴	1,187.9	71.1	5.6	Salt Lake City-Ogden, UT MSA.....	473.5	23.1	4.7
Atlanta, GA MSA.....	1,431.2	76.9	5.1	Rochester, NY MSA.....	483.9	18.9	3.8
St. Louis, MO-IL MSA.....	1,182.1	75.0	6.0	Memphis, TN-AR-MS-MSA ⁵	420.6	22.5	5.1
Seattle-Tacoma, WA CMSA ⁵	973.7	49.3	4.8	Nashville, TN MSA.....	500.9	22.8	4.4
Minneapolis-St. Paul, MN-WI MSA.....	1,339.7	47.3	3.4	Orlando, FL MSA.....	553.6	26.3	4.5
San Diego, CA MSA.....	1,070.3	48.0	4.3	Louisville, KY-IN MSA.....	472.7	31.6	6.3
Baltimore, MD MSA.....	1,126.6	57.9	4.9	Oklahoma City, OK MSA.....	470.4	27.6	5.5
Pittsburgh-Beaver Valley, PA CMSA.....	984.1	61.0	6.0	Dayton-Springfield, OH MSA.....	444.6	24.4	5.2
Phoenix, AZ MSA.....	975.2	52.5	5.1	Greensboro-Winston-Salem-High Point, NC MSA.....	509.3	16.0	3.0
Tampa-St. Petersburg-Clearwater, FL MSA.....	948.4	45.7	4.6	Birmingham, AL MSA.....	412.9	26.3	6.0
Denver-Boulder, CO CMSA.....	952.2	58.5	5.8	Providence-Pawtucket-Woonsocket, RI CMA.....	464.2	14.6	3.0
Cincinnati-Hamilton, OH-KY-IN CMSA ⁶	723.7	39.0	5.1	Jacksonville, FL MSA.....	433.5	24.3	5.3
				Albany-Schenectady-Troy, NY MSA.....	407.3	15.2	3.6
				Richmond-Petersburg, VA MSA.....	429.9	15.1	3.4
				Honolulu, HI MSA.....	372.0	10.6	2.8

¹ Percent unemployed of the civilian labor force. ² Excludes Danbury and Norwalk, CT PMSA; data not available. ³ Excludes Santa Cruz PMSA; data not available. ⁴ Excludes Lorain-Elyria PMSA; data not available. ⁵ Excludes Tacoma PMSA; data not available. ⁶ Excludes Hamilton-Middletown, OH PMSA; data not available. ⁷ Excludes Vancouver, WA PMSA; data not available. ⁸ Excludes Niagara Falls PMSA; data not available. ⁹ Excludes DeSoto County, MS; data not available.

NO. 631. CIVILIAN LABOR FORCE—PERCENT DISTRIBUTION BY SEX AND AGE: 1960 TO 1988

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series D 29-41, for similar but not exactly comparable data]

YEAR AND SEX	Civilian labor force (1,000)	PERCENT DISTRIBUTION						
		16-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65 yr. and over
Total: 1960	69,628	7.0	9.6	20.7	23.4	21.3	13.5	4.6
1970.....	82,771	8.8	12.8	20.6	19.9	20.2	13.6	3.9
1975.....	93,775	9.5	14.7	24.4	18.0	18.2	12.1	3.2
1980.....	106,949	8.8	14.9	27.3	19.1	15.9	11.2	2.9
1983.....	111,550	7.3	14.4	28.5	21.2	15.1	10.8	2.7
1984.....	113,544	7.0	14.1	28.8	22.0	15.0	10.5	2.6
1985.....	115,461	6.8	13.6	29.1	22.6	15.0	10.4	2.5
1986.....	117,834	6.7	13.1	29.4	23.1	15.1	10.1	2.6
1987.....	119,865	6.7	12.5	29.4	23.7	15.2	9.9	2.6
1988.....	121,669	6.6	11.9	29.2	24.2	15.7	9.7	2.7
Male: 1960	46,388	6.0	8.9	22.1	23.6	20.8	13.8	4.9
1970.....	51,228	7.8	11.2	22.1	20.4	20.3	13.9	4.2
1975.....	56,299	8.5	13.4	25.2	18.5	18.5	12.5	3.4
1980.....	61,453	8.1	14.0	27.6	19.3	16.1	11.8	3.1
1983.....	63,047	6.8	13.6	28.6	21.3	15.5	11.3	2.9
1984.....	63,835	6.5	13.5	29.0	22.0	15.3	11.0	2.7
1985.....	64,411	6.4	12.9	29.2	22.5	15.3	11.0	2.7
1986.....	65,422	6.3	12.5	29.6	23.0	15.3	10.6	2.8
1987.....	66,207	6.2	11.8	29.7	23.5	15.4	10.5	2.9
1988.....	66,927	6.2	11.3	29.5	24.0	15.8	10.2	2.9
Female: 1960	23,240	8.8	11.1	17.8	22.8	22.7	12.8	3.9
1970.....	31,543	10.3	15.5	18.1	18.9	20.7	13.2	3.3
1975.....	37,475	10.8	16.5	23.1	17.4	17.8	11.5	2.8
1980.....	45,487	9.6	16.1	26.9	19.0	15.4	10.4	2.6
1983.....	48,503	8.0	15.4	28.4	21.1	14.6	10.0	2.5
1984.....	49,709	7.7	15.0	28.6	21.9	14.5	9.9	2.4
1985.....	51,050	7.4	14.6	28.9	22.7	14.6	9.7	2.3
1986.....	52,413	7.3	13.9	29.0	23.3	14.8	9.4	2.3
1987.....	53,858	7.2	13.3	29.0	24.0	15.0	9.2	2.3
1988.....	54,742	7.1	12.6	28.6	24.4	15.6	9.1	2.4

Source of tables 630 and 631: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

Civilian Labor Force Status

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No. 632. CIVILIAN LABOR FORCE—YEARS OF SCHOOL COMPLETED, BY SEX AND RACE: 1988

[As of March. For civilian noninstitutional population 25–64 years of age. Based on Current Population Survey; see text, section 1 and Appendix III]

EMPLOYMENT STATUS, SEX, AND RACE	Population, 25–64 years old (1,000)	PERCENT DISTRIBUTION BY SCHOOL YEARS COMPLETED								
		Elementary school			High school		College			
		0–4 years	5–7 years	8 years	1–3 years	4 years	1–3 years	4 years	5 years or more	
Total ¹	122,386	1.7	3.0	3.1	10.9	40.2	18.5	13.1	9.4	
Civilian labor force	94,871	1.1	2.1	2.3	9.2	39.9	19.7	14.7	11.0	
Employed	90,393	1.0	2.0	2.2	8.7	39.6	19.9	15.1	11.4	
Unemployed	4,477	2.0	4.8	3.8	18.7	45.9	15.3	6.7	2.9	
Not in labor force	27,517	3.9	5.9	6.0	16.8	41.3	14.4	7.4	4.2	
Male, total	59,401	1.8	3.3	3.2	10.7	36.9	17.9	14.4	11.7	
Civilian labor force	52,616	1.3	2.7	2.7	9.8	37.3	18.5	15.3	12.4	
Employed	49,918	1.2	2.5	2.6	9.3	36.9	18.7	15.8	13.0	
Unemployed	2,698	2.6	5.7	4.3	19.3	45.0	14.2	6.5	2.4	
Not in labor force	6,786	5.8	8.2	7.4	18.0	34.0	13.8	7.3	5.5	
Female, total	62,983	1.6	2.7	3.0	11.0	43.4	19.0	11.9	7.3	
Civilian labor force	42,255	.8	1.5	1.8	8.4	43.3	21.2	14.0	9.1	
Employed	40,475	.8	1.4	1.7	8.0	43.1	21.3	14.3	9.3	
Unemployed	1,778	1.1	3.4	2.9	17.7	47.3	17.2	6.9	3.5	
Not in labor force	20,731	3.2	5.2	5.6	16.4	43.7	14.6	7.5	3.7	
White, total	104,889	1.5	2.7	3.0	10.0	40.7	18.7	13.5	9.8	
Civilian labor force	81,267	1.0	2.0	2.3	8.5	40.1	19.7	15.0	11.4	
Employed	78,599	1.0	1.9	2.2	8.1	39.8	19.9	15.3	11.7	
Unemployed	3,287	2.2	4.6	4.2	17.7	45.6	15.9	7.5	2.3	
Not in labor force	23,000	3.3	5.3	5.9	15.3	42.9	15.2	7.8	4.2	
Black, total	13,439	2.2	4.9	3.9	18.9	41.0	16.7	7.7	4.7	
Civilian labor force	9,984	1.1	3.2	2.8	15.5	43.0	19.2	9.5	5.7	
Employed	8,984	1.2	3.0	2.8	14.5	42.4	19.8	10.2	6.1	
Unemployed	1,001	.6	5.5	2.6	24.1	48.1	14.2	2.9	2.1	
Not in labor force	3,455	5.2	9.7	7.3	28.8	35.3	9.2	2.7	1.9	

¹ Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 633. SCHOOL ENROLLMENT AND LABOR FORCE STATUS OF CIVILIANS 16 TO 24 YEARS OLD, BY SELECTED CHARACTERISTICS: 1980 AND 1988

[In thousands, except percent. As of October. Civilian noninstitutional population. Based on Current Population Survey; see text, section 1 and Appendix III]

CHARACTERISTIC	POPULATION		CIVILIAN LABOR FORCE			EMPLOYED		UNEMPLOYED		
	1980	1988	1980, total	1988		1980	1988	1980, total	1988	
				Total	Per- cent ¹				Total	Rate ²
Total, 16 to 24 years ³	37,103	32,893	24,918	22,088	67.2	21,459	19,810	3,464	2,278	10.3
Enrolled in school ³	15,713	15,435	7,454	7,714	50.0	6,433	6,891	1,021	822	10.7
16 to 19 years	11,126	10,620	4,836	4,685	44.1	4,029	4,030	807	655	14.0
20 to 24 years	4,587	4,816	2,618	3,028	62.9	2,404	2,861	214	167	5.5
Male	7,997	7,832	3,825	3,797	48.5	3,259	3,348	566	449	11.8
Female	7,716	7,603	3,629	3,916	51.5	3,174	3,543	455	373	9.5
College level	7,664	7,973	3,996	4,586	57.5	3,632	4,279	364	308	6.7
Full-time	6,396	6,614	2,854	3,343	50.6	2,554	3,078	300	265	7.9
White	13,242	12,701	6,687	6,689	52.7	5,889	6,078	798	611	9.1
Below college	6,566	5,906	3,095	2,665	45.1	2,579	2,290	516	376	14.1
College level	6,678	6,795	3,592	4,023	58.2	3,310	3,788	282	235	5.9
Black	2,028	2,039	595	724	35.5	406	540	189	183	25.3
Below college	1,282	1,254	294	363	29.0	174	240	120	123	33.9
College level	747	785	300	360	45.9	230	300	70	60	16.7
Not enrolled ³	21,390	17,458	17,464	14,374	82.3	15,021	12,919	2,443	1,456	10.1
White	18,103	14,343	15,121	12,106	84.4	13,318	11,060	1,803	1,046	8.6
Black	2,864	2,654	2,065	1,907	71.9	1,451	1,529	604	379	19.9

¹ Percent of civilian noninstitutional population.

² Percent of civilian labor force in each category.

³ Includes other races, not shown separately.

Source: U.S. Bureau of Labor Statistics, Bulletin 2192, and unpublished data.

NO. 634. LABOR FORCE PARTICIPATION RATES BY MARITAL STATUS, SEX, AND AGE: 1960 TO 1988

[As of March. See table 629 for definition of participation rate. Data for males include members of the Armed Forces living offpost or with their families on post. Based on Current Population Survey; see text, section 1 and Appendix III]

YEAR AND MARITAL STATUS	MALE PARTICIPATION RATE							FEMALE PARTICIPATION RATE						
	Total	16-19 years	20-24 years	25-34 years	35-44 years	45-64 years	65 and over	Total	16-19 years	20-24 years	25-34 years	35-44 years	45-64 years	65 and over
Married:¹														
1960	88.9	96.0	97.5	98.6	98.4	93.0	37.1	30.5	25.3	30.0	27.7	36.2	34.2	5.9
1970	86.9	95.5	95.0	98.2	98.1	91.6	30.2	40.8	36.0	47.4	39.3	47.2	44.1	7.9
1975	83.0	92.3	95.1	97.3	97.0	87.0	23.7	44.4	46.0	57.3	48.3	51.9	43.9	7.2
1980	81.2	97.3	96.8	97.5	97.0	84.8	20.4	50.1	47.7	60.5	59.3	62.5	46.9	7.2
1983	79.5	92.7	95.7	97.3	97.2	82.1	19.1	51.8	46.6	63.0	62.5	65.4	47.6	7.5
1984	79.2	96.5	96.2	97.2	97.2	81.8	17.4	52.8	43.4	63.3	64.0	66.4	49.0	7.3
1985	79.0	90.9	95.7	97.4	96.7	81.6	17.5	54.2	49.2	64.9	65.6	68.1	50.6	6.7
1986	78.7	91.8	95.8	97.3	96.3	81.8	17.3	54.6	52.9	63.1	68.4	69.0	50.4	7.0
1987	78.8	90.4	95.7	97.2	96.2	82.4	17.4	55.8	42.8	67.4	67.5	71.7	51.3	6.9
1988	78.6	95.3	95.7	97.0	96.7	82.4	17.5	56.5	46.8	65.9	68.6	72.7	52.7	7.4
Single:														
1960	55.5	34.4	76.6	85.3	85.3	74.4	24.3	44.1	25.3	73.4	79.9	79.7	75.1	21.6
1970	60.7	49.0	69.0	86.2	82.3	65.6	21.0	53.0	39.5	71.1	80.7	73.3	67.8	17.6
1975	67.1	53.2	76.5	87.4	86.5	68.7	20.5	57.0	45.5	69.5	80.4	77.8	68.4	16.2
1980	70.8	56.8	79.8	87.3	79.9	65.2	20.0	61.5	49.0	72.2	84.2	78.5	62.8	12.0
1983	70.0	49.9	77.6	86.4	81.8	69.6	23.9	62.6	46.0	72.6	83.6	81.1	65.1	12.6
1984	70.3	50.8	78.5	87.4	83.2	65.6	16.7	63.1	46.4	72.1	83.5	83.0	67.0	11.8
1985	70.8	52.4	77.9	87.5	80.8	67.3	16.0	65.2	49.8	74.0	82.5	80.6	73.2	8.0
1986	71.9	50.8	80.7	88.3	84.5	61.4	17.8	65.3	50.1	75.0	81.1	79.6	69.3	8.0
1987	71.7	50.2	80.0	86.0	83.7	64.3	16.3	65.1	49.6	74.5	82.9	81.8	58.6	9.1
1988	72.1	49.7	80.1	88.4	82.4	65.9	20.7	65.2	48.7	74.8	81.8	81.5	65.2	10.9
Other:²														
1960	59.3	(b)	88.6	82.3	84.1	78.1	18.2	40.0	37.3	54.6	55.5	67.4	58.3	11.0
1970	54.2	(b)	73.2	74.5	80.6	75.9	16.5	39.1	46.5	59.7	65.1	67.9	60.7	9.9
1975	65.1	(b)	84.7	92.4	89.3	69.4	18.0	40.8	41.9	68.1	67.5	69.4	60.4	8.1
1980	66.8	(b)	92.9	93.8	91.1	69.9	13.0	44.0	51.0	68.5	77.1	76.4	59.5	8.6
1983	68.9	(b)	89.7	91.9	90.7	73.9	13.1	43.9	45.3	68.4	77.1	77.7	59.5	7.5
1984	67.7	(b)	91.6	90.7	92.8	71.8	12.6	45.0	53.6	71.3	78.5	79.6	61.0	7.7
1985	69.2	(b)	96.9	92.9	92.1	72.8	12.7	45.6	50.9	66.5	78.9	80.6	60.7	7.9
1986	68.8	(b)	93.9	93.1	89.1	71.7	13.0	45.9	50.6	71.0	78.4	82.6	61.7	7.4
1987	67.9	(b)	90.6	92.9	91.1	73.1	11.1	45.7	(b)	67.2	77.1	83.0	61.9	7.6
1988	66.9	(b)	93.2	91.8	88.8	71.2	11.6	46.1	64.5	67.7	78.3	81.5	62.6	8.2

B For 1960, percentage not shown where base is less than 100,000; beginning 1970, 75,000. ¹ Spouse present. ² 14 to 19 years old. ³ Widowed, divorced, and married (spouse absent).

NO. 635. MARITAL STATUS OF WOMEN IN THE CIVILIAN LABOR FORCE: 1960 TO 1988

[As of March. Persons 14 years old and over through 1965; 16 years old and over thereafter. Based on Current Population Survey; see text, section 1 and Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 49-62]

YEAR	FEMALE LABOR FORCE (1,000)					PERCENT DISTRIBUTION, FEMALE LABOR FORCE			FEMALE LABOR FORCE AS PERCENT OF FEMALE POPULATION				
	Total	Single	Married		Wid-owed or di-voiced	Single	Mar-ried ¹	Wid-owed or di-voiced	Total	Single	Married		Wid-owed or di-voiced
			Total ¹	Hus-band present							Total ¹	Hus-band present	
1960	22,516	5,401	13,485	12,253	3,629	24.0	59.9	16.1	34.8	44.1	31.7	30.5	37.1
1965	25,952	5,912	16,154	14,708	3,886	22.8	62.2	15.0	36.7	40.5	35.7	34.7	35.7
1970	31,239	6,965	19,799	18,377	4,469	22.3	63.4	14.3	42.6	53.0	41.4	40.8	38.2
1971	31,778	7,220	20,034	18,573	4,524	22.7	63.0	14.2	42.5	52.8	41.4	40.8	35.7
1972	33,132	7,543	20,845	19,336	4,744	22.8	62.9	14.3	43.7	55.0	42.2	41.5	37.2
1973	34,195	7,838	21,487	19,951	4,870	22.9	62.8	14.2	44.2	55.9	42.8	42.2	36.7
1974	35,708	8,362	22,202	20,541	5,144	23.4	62.4	14.4	45.3	57.4	43.8	43.1	37.8
1975	36,981	8,599	23,037	21,360	5,345	23.2	62.3	14.5	46.0	57.0	45.1	44.4	37.7
1976	38,999	9,282	23,643	21,814	5,474	24.2	61.6	14.3	46.8	59.2	45.8	45.1	37.3
1977	40,053	9,702	24,429	22,681	5,922	24.2	61.0	14.8	48.0	59.2	47.2	46.6	39.0
1978	41,747	10,487	24,976	23,136	6,284	25.1	59.8	15.1	49.2	60.7	48.1	47.5	39.9
1979	43,844	11,304	26,073	24,223	6,467	25.8	59.5	14.8	50.8	62.9	49.9	49.3	40.0
1980	44,934	11,242	26,828	24,900	6,864	25.0	59.7	15.3	51.1	61.5	50.7	50.1	41.0
1981	46,415	11,628	27,536	25,460	7,251	25.0	59.3	15.6	52.0	62.3	51.7	51.0	41.9
1982	47,095	11,801	27,843	25,756	7,451	25.1	59.1	15.8	52.1	62.2	51.8	51.2	42.1
1983	47,779	12,282	28,140	26,227	7,357	25.7	58.9	15.4	52.3	62.6	52.3	51.8	41.2
1984	48,240	12,581	28,663	26,855	7,775	25.6	58.7	15.8	53.2	63.1	53.3	52.8	42.1
1985	50,891	12,925	29,755	27,716	8,211	25.4	58.5	16.1	54.5	65.2	54.7	54.2	42.8
1986	51,732	13,127	30,274	28,197	8,332	25.4	58.5	16.1	54.7	65.3	55.0	54.6	43.1
1987	52,960	13,454	31,282	29,159	8,224	25.4	59.1	15.5	55.4	65.1	56.1	55.8	42.9
1988	53,887	13,617	31,946	29,751	8,424	25.2	59.2	15.6	55.9	65.2	56.8	56.5	43.4

¹ Includes married, spouse absent.

Source of tables 634 and 635: U.S. Bureau of Labor Statistics, Bulletin 2307, and unpublished data.

Female Labor Force Status

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NO. 636. MARRIED, SEPARATED, AND DIVORCED WOMEN—LABOR FORCE STATUS BY PRESENCE AND AGE OF CHILDREN: 1960 TO 1988

[As of March. For 1960, civilian noninstitutional persons 14 years old and over, thereafter 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	TOTAL			NO CHILDREN UNDER 18			CHILDREN 6-17 ONLY			CHILDREN UNDER 6		
	Mar-ried ¹	Sepa-rated	Di-vorced									
IN LABOR FORCE (mil.)												
1960.....	12.3	(NA)	(NA)	5.7	(NA)	(NA)	4.1	(NA)	(NA)	2.5	(NA)	(NA)
1970.....	18.4	1.4	1.9	8.2	.7	1.1	6.3	.4	.8	3.9	.3	.3
1980.....	24.9	1.9	4.4	11.2	.9	2.3	8.4	.6	1.6	5.2	.4	.5
1982.....	25.8	2.1	5.2	11.8	1.0	2.7	8.3	.7	1.8	5.7	.5	.6
1983.....	26.2	1.9	5.2	12.1	.8	2.8	8.3	.6	1.8	5.9	.5	.6
1984.....	26.9	2.0	5.5	12.3	.9	3.0	8.3	.7	1.9	6.2	.4	.6
1985.....	27.7	2.0	5.9	12.8	1.0	3.3	8.5	.7	2.0	6.4	.4	.6
1986.....	28.2	2.1	6.2	12.9	1.0	3.5	8.8	.8	2.0	6.6	.5	.7
1987.....	29.2	2.1	6.1	13.2	1.0	3.4	9.0	.7	2.0	7.0	.4	.7
1988.....	29.8	2.2	6.2	13.5	1.1	3.7	9.3	.7	1.9	7.0	.4	.6
PARTICIPATION RATE²												
1960.....	30.5	(NA)	(NA)	34.7	(NA)	(NA)	39.0	(NA)	(NA)	18.6	(NA)	(NA)
1970.....	40.8	52.1	71.5	42.2	52.3	67.7	49.2	60.6	82.4	30.3	45.4	63.3
1980.....	50.1	59.4	74.5	46.0	58.9	71.4	61.7	66.3	82.3	45.1	52.2	68.3
1982.....	51.2	60.0	74.9	46.2	57.5	71.6	63.2	68.4	83.6	48.7	55.2	67.2
1983.....	51.8	58.7	74.6	46.6	56.6	71.7	63.8	68.7	82.2	49.9	53.8	68.7
1984.....	52.8	60.9	74.3	47.2	59.1	70.5	65.4	70.1	84.1	51.8	53.9	67.7
1985.....	54.2	61.3	75.0	48.2	60.0	72.1	67.8	70.9	83.4	53.4	53.2	67.5
1986.....	54.6	62.2	76.0	48.2	60.4	72.1	68.4	70.6	84.7	53.8	57.4	73.8
1987.....	55.8	61.4	75.4	48.4	57.9	71.9	70.6	72.6	84.5	56.8	55.1	70.5
1988.....	56.5	60.9	75.7	48.9	60.1	73.0	72.5	69.3	83.9	57.1	53.0	70.1
EMPLOYMENT (mil.)												
1960.....	11.6	(NA)	(NA)	5.4	(NA)	(NA)	3.9	(NA)	(NA)	2.3	(NA)	(NA)
1970.....	17.5	1.3	1.8	7.9	.7	1.0	6.0	.4	.5	3.6	.3	.2
1980.....	23.6	1.7	4.2	10.7	.8	2.2	8.1	.6	1.5	4.8	.4	.5
1982.....	23.9	1.8	4.7	11.1	.8	2.5	7.7	.6	1.7	5.1	.4	.5
1983.....	24.3	1.5	4.7	11.4	.7	2.6	7.7	.5	1.5	5.2	.3	.5
1984.....	25.3	1.7	5.0	11.7	.8	2.8	7.9	.6	1.7	5.7	.3	.5
1985.....	26.1	1.8	5.4	12.2	.9	3.1	8.1	.6	1.8	5.9	.3	.5
1986.....	26.7	1.9	5.7	12.3	.9	3.3	8.3	.5	1.9	6.1	.4	.6
1987.....	27.8	1.9	5.7	12.7	.9	3.2	8.6	.6	1.9	6.5	.3	.3
1988.....	28.6	2.0	5.9	13.1	1.0	3.5	8.9	.6	1.8	6.5	.3	.3
UNEMPLOYMENT RATE²												
1960.....	5.4	(NA)	(NA)	4.8	(NA)	(NA)	4.9	(NA)	(NA)	7.8	(NA)	(NA)
1970.....	4.8	6.8	5.4	3.3	4.2	4.7	4.8	5.9	6.5	7.9	13.3	5.2
1980.....	5.3	9.9	6.4	4.5	8.3	4.5	4.4	10.6	6.7	8.3	12.3	13.6
1982.....	7.1	14.5	8.9	5.7	11.7	7.6	7.0	14.6	9.2	10.1	20.1	13.5
1983.....	7.2	19.1	10.2	5.7	13.8	7.1	6.7	20.0	12.8	10.9	27.6	16.8
1984.....	5.7	13.9	8.6	4.6	9.0	6.6	5.0	13.1	9.7	8.9	25.0	14.3
1985.....	5.7	13.7	7.7	4.7	9.0	6.2	5.5	14.6	9.0	8.0	22.9	12.1
1986.....	5.4	10.8	7.5	4.6	7.2	6.1	4.8	11.7	8.2	7.6	16.5	12.9
1987.....	4.5	11.8	6.9	3.5	8.1	5.9	4.9	14.8	6.1	5.9	15.7	13.8
1988.....	3.8	9.1	5.2	2.9	7.0	4.5	3.8	6.7	5.3	6.1	15.0	9.4

NA Not available. ¹ Husband present. ² Percent of women in each specific category in the labor force.

³ Unemployed as a percent of civilian labor force in specified group.

Source: U.S. Bureau of Labor Statistics, *Special Labor Force Reports*, Nos. 13, 130, and 134; *Bulletins* 2163 and 2307; and unpublished data.

NO. 637. LABOR FORCE PARTICIPATION RATES FOR WIVES, HUSBAND PRESENT, BY AGE OF OWN YOUNGEST CHILD: 1975 TO 1988

[As of March. For civilian noninstitutional population, 16 years old and over. Based on Current Population Survey; see text, section 1 and Appendix III]

PRESENCE AND AGE OF CHILD	TOTAL				WHITE				BLACK			
	1975	1980	1985	1988	1975	1980	1985	1988	1975	1980	1985	1988
Wives, total	44.5	50.2	54.3	56.7	43.7	49.3	53.4	55.8	54.3	59.3	64.2	66.1
No children under 18.....	44.0	46.0	48.2	49.1	43.5	45.5	47.5	48.5	47.7	51.2	56.1	54.4
With children under 18.....	44.9	54.3	61.0	65.2	43.9	53.2	60.0	64.3	58.8	65.6	71.5	75.8
Under 6, total.....	36.8	45.3	53.7	57.4	35.0	43.5	52.3	56.3	36.4	43.4	69.3	71.7
1 year or under.....	32.6	41.5	50.7	54.8	30.9	40.0	49.8	53.3	32.2	37.7	65.7	73.0
2 years.....	30.8	39.0	49.4	51.9	29.2	37.7	48.6	50.5	30.0	32.9	63.7	71.5
3 to 5 years.....	37.1	48.1	54.0	61.7	35.1	46.1	52.7	60.2	36.4	41.0	69.9	76.2
3 to 5 years.....	42.2	51.7	56.6	61.4	40.3	49.4	56.6	60.9	41.7	42.3	73.8	69.8
3 years.....	41.2	51.5	55.1	59.3	39.0	48.4	52.7	58.1	42.7	43.4	72.3	78.1
4 years.....	41.2	51.4	59.7	61.4	38.7	49.8	58.4	61.0	44.9	46.4	70.6	70.3
5 years.....	44.4	52.4	62.1	63.6	43.8	50.4	59.9	64.0	56.3	57.8	79.1	62.5
6 to 13 years.....	51.8	62.6	68.1	72.3	50.8	61.4	67.7	71.5	64.9	71.8	73.5	81.4
14 to 17 years.....	53.8	60.5	67.0	72.9	53.6	60.6	66.3	72.5	51.0	58.4	74.1	74.6

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, February 1986, and unpublished data.

Labor Force, Employment, and Earnings

NO. 638. CIVILIAN LABOR FORCE—EMPLOYMENT STATUS BY SEX, RACE, AND AGE: 1988

[For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

AGE AND RACE	CIVILIAN LABOR FORCE			MALE (1,000)			FEMALE (1,000)			PERCENT OF LABOR FORCE			
	Total (1,000)	Percent by age		Total	Em- ployed	Un- em- ployed	Total	Em- ployed	Un- em- ployed	Employed		Unemployed	
		Male	Fe- male							Male	Fe- male	Male	Fe- male
All workers ¹	121,669	100.0	100.0	66,927	63,273	3,655	54,742	51,696	3,046	94.5	94.4	5.5	5.6
16-19 years.....	8,031	6.2	7.1	4,159	3,492	667	3,872	3,313	558	84.0	85.6	16.0	14.4
20-24 years.....	14,505	11.3	12.6	7,594	6,918	676	6,910	6,326	585	91.1	91.5	8.9	8.5
25-34 years.....	35,503	29.5	28.8	19,742	18,702	1,040	15,761	14,872	889	94.7	94.4	5.3	5.6
35-44 years.....	29,435	24.0	24.4	16,074	15,457	617	13,381	12,811	550	96.2	96.9	3.8	4.1
45-54 years.....	19,104	15.8	15.6	10,566	10,201	366	8,537	8,246	291	96.5	96.6	3.5	3.4
55-64 years.....	11,806	10.2	9.1	6,831	6,591	240	4,977	4,841	136	96.5	97.3	3.5	2.7
65 years and over.....	3,284	2.9	2.4	1,960	1,911	49	1,324	1,286	38	97.5	97.1	2.5	2.9
White	104,756	100.0	100.0	58,317	55,550	2,768	46,439	44,262	2,177	95.3	95.3	4.7	4.7
16-19 years.....	6,940	6.1	7.2	3,593	3,084	499	3,358	2,946	412	86.1	87.7	13.9	12.3
20-24 years.....	12,311	11.1	12.6	6,468	5,987	480	5,844	5,450	393	92.6	93.3	7.4	6.7
25-34 years.....	30,187	29.2	29.3	17,018	16,241	777	13,149	12,555	594	95.4	95.5	4.6	4.5
35-44 years.....	25,356	24.1	24.3	14,058	13,590	477	11,291	10,878	413	96.6	96.3	3.4	3.7
45-54 years.....	16,573	15.8	15.7	9,285	8,992	293	7,288	7,062	227	96.8	96.9	3.2	3.1
55-64 years.....	10,462	10.5	9.4	6,108	6,009	200	4,354	4,244	110	96.7	97.5	3.3	2.5
65 years and over.....	2,943	3.1	2.5	1,787	1,748	40	1,156	1,126	30	97.8	97.4	2.2	2.6
Black	13,205	100.0	100.0	6,596	6,824	771	6,809	5,834	776	88.3	88.3	11.7	11.7
16-19 years.....	889	7.1	6.3	469	316	154	419	285	134	67.2	68.0	32.8	32.0
20-24 years.....	1,782	13.8	13.1	913	736	177	669	697	172	80.6	80.2	19.4	19.8
25-34 years.....	4,226	32.0	32.0	2,114	1,881	233	2,112	1,844	269	89.0	87.3	11.0	12.7
35-44 years.....	3,069	22.1	24.4	1,459	1,348	111	1,610	1,491	118	92.4	92.6	7.6	7.4
45-54 years.....	1,894	14.2	14.5	936	878	58	958	905	53	93.8	94.5	6.2	5.5
55-64 years.....	1,069	8.6	7.6	565	536	30	504	462	22	94.7	96.6	5.3	4.4
65 years and over.....	276	2.1	2.1	139	131	8	137	129	7	94.2	94.9	5.8	5.1

¹ Includes other races not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 639. EMPLOYED CIVILIANS AND WEEKLY HOURS BY SELECTED CHARACTERISTICS: 1970 TO 1988

[In thousands except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

AGE, SEX, AND MARITAL STATUS	1970	1980	1982	1983	1984	1985	1986	1987	1988
Total employed	78,678	99,303	99,526	100,834	105,005	107,150	109,597	112,440	114,968
Age:									
16-19 years.....	6,144	7,710	6,549	6,342	6,444	6,434	6,472	6,640	6,805
20-24 years.....	9,731	14,087	13,690	13,722	14,207	13,980	13,790	13,524	13,244
25-34 years.....	16,318	27,204	28,149	28,756	30,348	31,208	32,201	33,105	33,574
35-44 years.....	15,922	19,523	20,879	21,960	23,598	24,732	25,861	27,179	28,269
45-54 years.....	16,473	16,234	15,923	15,812	16,176	16,509	16,949	17,487	18,447
55-64 years.....	10,974	11,586	11,414	11,315	11,395	11,474	11,405	11,465	11,433
65 years and over.....	3,118	2,960	2,923	2,927	2,835	2,813	2,919	3,041	3,197
Sex:									
Male.....	48,990	57,186	56,271	56,787	59,091	59,891	60,892	62,107	63,273
Female.....	29,688	42,117	43,256	44,047	45,915	47,259	48,706	50,334	51,696
Marital status:									
Married, spouse present.....	55,554	62,536	62,127	62,570	64,692	65,584	66,802	68,372	69,228
Single (never married).....	15,039	24,082	24,069	24,779	26,143	26,780	27,478	28,355	29,500
Widowed, divorced, separated.....	8,087	12,686	13,330	13,483	14,170	14,786	15,318	15,713	16,242
Class of worker:									
Nonagriculture:									
Wage and salary worker.....	75,215	95,938	96,125	97,450	101,685	103,971	106,434	109,232	111,800
Self-employed.....	69,491	88,525	88,462	89,500	93,565	95,871	98,299	100,771	103,021
Unpaid family workers.....	5,221	7,000	7,262	7,575	7,765	7,811	7,881	8,201	8,519
Agriculture.....	502	413	401	376	335	289	255	260	260
Agriculture:									
Wage and salary worker.....	3,463	3,364	3,401	3,393	3,321	3,179	3,163	3,208	3,169
Self-employed.....	1,154	1,425	1,505	1,579	1,555	1,535	1,547	1,632	1,621
Unpaid family workers.....	1,810	1,642	1,636	1,565	1,553	1,458	1,447	1,423	1,398
Weekly hours:									
Nonagriculture:									
Wage and salary workers.....	38.3	38.1	37.6	37.9	38.4	38.7	38.8	38.7	39.1
Self-employed.....	45.0	41.2	39.8	40.0	40.6	41.1	41.2	41.0	41.0
Unpaid family workers.....	37.9	34.7	34.7	34.8	35.1	35.1	35.5	36.3	36.0
Agriculture:									
Wage and salary workers.....	40.0	41.6	40.3	40.3	41.1	40.8	40.9	40.6	41.3
Self-employed.....	51.0	49.3	48.3	47.4	48.1	48.2	48.4	47.8	47.5
Unpaid family workers.....	40.0	38.6	38.9	38.6	38.9	38.5	39.7	39.9	39.7

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; and unpublished data.

NO. 640. SELF-EMPLOYED WORKERS BY SELECTED CHARACTERISTICS: 1970 TO 1988

[In thousands. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1, and Appendix III]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Total self-employed	7,031	7,427	8,642	8,898	9,140	9,338	9,269	9,328	9,624	9,917
Industry:										
Agriculture.....	1,810	1,722	1,642	1,636	1,565	1,553	1,458	1,447	1,423	1,398
Nonagriculture.....	5,221	5,705	7,000	7,262	7,575	7,785	7,811	7,881	8,201	8,519
Mining.....	14	16	28	34	29	25	20	26	27	28
Construction.....	687	839	1,173	1,117	1,158	1,235	1,301	1,369	1,384	1,427
Manufacturing.....	264	273	358	353	371	360	347	371	354	394
Transportation and public utilities.....	198	223	282	304	322	318	315	318	335	345
Trade.....	1,667	1,709	1,899	1,870	1,932	1,920	1,792	1,787	1,841	1,823
Finance, insurance, and real estate.....	254	335	458	490	532	544	558	556	597	624
Services.....	2,140	2,310	2,804	3,093	3,233	3,383	3,477	3,455	3,663	3,878
Occupation:										
Managerial and professional specialty.....	(NA)	(NA)	(NA)	(NA)	2,437	2,531	2,585	2,554	2,714	2,929
Technical, sales, and administrative support.....	(NA)	(NA)	(NA)	(NA)	2,114	2,132	2,059	2,092	2,138	2,155
Service occupations.....	(NA)	(NA)	(NA)	(NA)	887	939	980	998	1,058	1,159
Precision production, craft, and repair.....	(NA)	(NA)	(NA)	(NA)	1,526	1,602	1,611	1,651	1,680	1,674
Operators, fabricators, and laborers.....	(NA)	(NA)	(NA)	(NA)	599	584	568	578	596	604
Farming, forestry, and fishing.....	(NA)	(NA)	(NA)	(NA)	1,580	1,551	1,465	1,458	1,438	1,395

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

NO. 641. PERSONS WITH A JOB BUT NOT AT WORK: 1970 TO 1988

[In thousands, except percent. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. See *Historical Statistics, Colonial Times to 1970*, series D 116-126, for related but not comparable data]

REASON FOR NOT WORKING	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988		
											Total	Male	Female
All industries, number	4,645	5,221	5,882	5,790	5,712	5,663	5,575	5,789	5,741	5,910	5,631	2,820	3,011
Percent of employed	5.9	6.1	5.9	5.8	5.7	5.5	5.3	5.4	5.2	5.3	5.1	4.5	5.8
Reason for not working: Vacation.....	2,341	2,815	3,320	3,247	3,153	3,096	3,147	3,338	3,234	3,421	3,236	1,544	1,692
Illness.....	1,324	1,343	1,425	1,413	1,331	1,291	1,322	1,308	1,292	1,320	1,364	697	667
Bad weather.....	128	139	155	112	202	124	118	141	128	92	122	105	17
Industrial dispute.....	156	95	105	64	36	91	40	42	56	34	30	24	6
All other.....	696	829	876	953	988	962	947	960	1,030	1,043	1,080	451	629

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 642. EMPLOYED AND UNEMPLOYED WORKERS BY WORK SCHEDULES, SEX, AND AGE: 1980 TO 1988

[In thousands. See headnote, table 626]

CHARACTERISTIC	EMPLOYED				CHARACTERISTIC	UNEMPLOYED			
	1980	1985	1987	1988		1980	1985	1987	1988
Total	99,303	107,150	112,440	114,968	Total	7,636	8,312	7,425	6,701
Full-time ¹	82,562	88,535	92,957	95,214	Looking for full-time work.....	6,269	6,793	5,979	5,357
Male.....	51,717	53,862	55,746	56,816	Male.....	3,703	3,925	3,520	3,116
16-19 years old.....	2,017	1,437	1,385	1,462	16-19 years old.....	537	446	373	338
20-24 years old.....	6,593	6,078	5,871	5,724	20-24 years old.....	994	857	695	590
25-54 years old.....	35,644	39,207	41,400	42,614	25-54 years old.....	1,923	2,329	2,201	1,956
55 years and over.....	7,521	7,139	7,110	7,017	55 years and over.....	250	292	252	233
Female.....	30,846	34,675	37,210	38,998	Female.....	2,564	2,868	2,458	2,241
16-19 years old.....	1,456	1,065	1,089	1,099	16-19 years old.....	430	331	280	254
20-24 years old.....	5,098	4,903	4,810	4,707	20-24 years old.....	636	636	535	454
25-54 years old.....	20,395	24,838	27,354	28,572	25-54 years old.....	1,363	1,727	1,523	1,419
55 years and over.....	3,897	3,862	3,956	4,018	55 years and over.....	135	173	120	114
Part-time ¹	16,740	18,615	19,483	19,754	Looking for part-time work.....	1,369	1,519	1,446	1,343
Male.....	5,471	6,028	6,380	6,457	Male.....	563	596	580	539
16-19 years old.....	2,068	1,891	2,015	2,029	16-19 years old.....	377	360	358	330
20-24 years old.....	999	1,261	1,187	1,195	20-24 years old.....	81	87	84	86
25-54 years old.....	1,092	1,568	1,735	1,748	25-54 years old.....	54	79	82	67
55 years and over.....	1,314	1,308	1,422	1,485	55 years and over.....	52	70	55	56
Female.....	11,271	12,587	13,124	13,298	Female.....	806	923	866	805
16-19 years old.....	2,169	2,036	2,171	2,214	16-19 years old.....	326	330	336	305
20-24 years old.....	1,456	1,738	1,658	1,618	20-24 years old.....	124	158	139	130
25-54 years old.....	5,827	6,837	7,281	7,358	25-54 years old.....	299	359	327	310
55 years and over.....	1,815	1,978	2,016	2,108	55 years and over.....	57	75	64	60

¹ Full-time workers include employed persons on full-time (35 hours or more per week) schedules and those working part-time (between 1 and 34 hours) for economic reasons who usually work full-time. Part-time workers include employed persons working part-time voluntarily and those working part-time for economic reasons, who usually work part-time. Employed persons with a job but not at work are distributed according to whether they usually work full- or part-time.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307 and *Employment and Earnings*, monthly.

NO. 643. WORKERS ON FLEXIBLE SCHEDULES, BY SELECTED CHARACTERISTICS: 1985

[In thousands, except percent. As of May. For full-time wage and salary workers. See headnote, table 642]

CHARACTERISTIC	ALL WORKERS			WITH FLEXIBLE SCHEDULES			PERCENT OF ALL WORKERS		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total	73,395	43,779	29,616	8,061	5,760	3,300	12.3	13.2	11.1
Marital status and presence of youngest child:									
Single	16,812	9,703	7,109	2,123	1,232	891	12.6	12.7	12.5
With no children under 18.....	16,264	9,605	6,659	2,055	1,218	837	12.6	12.7	12.6
With own children: under 6.....	18,301	88	213	26	10	16	8.6	11.4	7.5
Between 6 and 13 years old.....	192	6	186	29	1	28	15.1	16.7	15.1
Between 14 and 17 years old.....	55	4	51	13	3	10	23.6	75.0	19.6
Married, spouse present	45,345	29,666	15,679	5,483	3,868	1,615	12.1	13.0	10.3
With no children under 18.....	19,413	11,567	7,846	2,311	1,531	780	11.9	13.2	9.9
With own children: under 6.....	12,093	8,927	3,166	1,459	1,130	329	12.1	12.7	10.4
Between 6 and 13 years old.....	9,391	6,299	3,092	1,164	814	350	12.4	12.9	11.3
Between 14 and 17 years old.....	4,449	2,873	1,576	547	392	155	12.3	13.6	9.8
Other marital status	11,238	4,410	6,828	1,455	661	794	12.9	15.0	11.6
With no children under 18.....	8,252	3,895	4,357	1,125	588	537	13.6	15.1	12.3
With own children: under 6.....	673	120	553	62	9	53	9.2	7.5	9.6
Between 6 and 13 years old.....	1,418	224	1,184	173	38	135	12.2	17.0	11.3
Between 14 and 17 years old.....	895	171	724	94	25	69	10.5	14.6	9.5
Occupation:									
Managerial and professional	18,944	10,896	8,049	3,448	2,340	1,109	18.2	21.5	13.8
Technical, sales, administrative	21,961	8,346	13,615	3,215	1,540	1,675	14.8	18.5	12.3
Service occupations	7,268	3,552	3,717	619	302	317	8.5	8.5	8.5
Precision production, craft, and repair	10,477	9,870	807	717	658	59	6.8	6.8	7.3
Operators, fabricators, and laborers	13,326	10,073	3,253	847	728	120	6.4	7.2	3.7
Farming, forestry, and fisheries	1,418	1,243	175	214	182	22	15.1	15.4	12.6
Industry:									
Private sector	60,127	36,995	23,132	7,559	4,904	2,856	12.6	13.3	11.5
Goods producing ¹	24,626	18,354	6,272	2,420	1,892	528	9.8	10.3	8.4
Service producing.....	35,500	18,641	16,860	5,139	3,011	2,128	14.5	16.2	12.6
Public sector	13,268	6,784	6,484	1,501	857	644	11.3	12.6	9.9
Federal government	2,901	1,794	1,107	580	340	240	20.0	19.0	21.7
State government	3,320	1,845	1,875	537	292	245	16.2	17.8	14.6
Local government	7,047	3,345	3,702	384	225	160	5.4	6.7	4.3

¹ Includes agriculture, mining, construction, and manufacturing.Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1986, and unpublished data.

NO. 644. SELECTED WORKLIFE INDICES BY SEX, RACE, AND EDUCATIONAL ATTAINMENT: 1979-1980

[In years, except percent. For the civilian noninstitutional population. For methodological details, see source]

INDEX AND AGE	MALE					FEMALE						
	Total	Race		Educational attainment			Total	Race		Educational attainment		
		White	Black and other	Less than high school	High school to 14 years	15 years or more		White	Black and other	Less than high school	High school to 14 years	15 years or more
Life expectancy:												
At birth.....	70.0	70.7	65.3	70.0	70.0	70.0	77.6	78.3	73.9	77.6	77.6	77.6
At age 25.....	47.3	47.9	43.3	47.3	47.3	47.3	54.2	54.7	51.0	54.2	54.2	54.2
At age 60.....	17.5	17.8	16.5	17.5	17.5	17.5	22.4	22.6	21.0	22.4	22.4	22.4
At age 65.....	14.2	14.3	13.8	14.2	14.2	14.2	18.5	18.7	17.7	18.5	18.5	18.5
Worklife expectancy:												
At birth.....	38.8	39.8	32.9	34.6	39.9	41.1	29.4	29.7	27.4	22.3	30.1	34.9
At age 25.....	33.1	33.8	28.6	29.2	33.8	36.1	24.0	24.1	23.5	17.9	24.4	27.9
At age 60.....	4.4	4.5	3.3	3.3	4.7	6.3	3.0	3.0	3.0	2.3	3.3	3.5
At age 65.....	2.3	2.3	1.8	1.8	2.4	3.6	1.5	1.5	1.5	1.2	1.8	1.8
Percent of life economically active: ¹												
From birth.....	55.4	58.3	50.4	49.4	57.0	58.7	37.9	37.9	37.1	28.7	38.8	45.0
From age 25.....	70.0	70.6	66.1	61.7	71.5	76.3	44.3	44.1	46.1	33.0	45.0	51.5
From age 60.....	25.1	25.6	20.0	18.9	26.9	36.0	13.4	13.3	14.3	10.3	14.7	15.8
From age 65.....	16.2	16.1	13.0	12.7	16.9	25.4	8.1	8.0	8.5	6.5	9.7	9.7
Number of times person enters labor force per:												
Person born.....	3.9	3.9	4.3	4.3	3.7	4.6	5.5	5.6	5.4	5.8	5.6	5.6
Person age 25.....	1.5	1.5	1.8	2.0	1.5	1.4	3.0	3.0	3.1	3.3	3.2	2.7
Expected duration per entry remaining: ²												
From birth.....	9.9	10.2	7.7	8.0	10.8	8.9	5.3	5.3	5.1	3.8	5.4	6.2
From age 25.....	22.1	22.5	15.9	14.6	22.5	25.8	8.0	8.0	7.6	5.4	7.6	10.3
Number of times person voluntarily leaves labor force:												
From birth.....	3.6	3.6	3.9	4.0	3.6	4.5	5.4	5.5	5.4	5.7	5.7	4.7
From age 25.....	2.3	2.3	2.4	2.7	2.3	2.2	3.8	3.8	3.7	3.8	4.0	3.6

¹ Ratio of worklife expectancy to life expectancy.² Worklife expectancy divided by number of times person enters labor force.Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, August 1985.

No. 645. EMPLOYED CIVILIANS, BY OCCUPATION, SEX, RACE, AND HISPANIC ORIGIN: 1988

[For civilian noninstitutional population 16 years old and over. Annual average of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. Persons of Hispanic origin may be of any race]

OCCUPATION	Total employed (1,000)	PERCENT OF TOTAL		
		Female	Black	Hispanic
Total	114,968	45.0	10.1	7.2
Managerial and professional specialty	29,190	44.7	6.1	3.7
Executive, administrative, and managerial ¹	14,216	39.3	5.6	4.0
Officials and administrators, public.....	472	44.5	9.4	4.1
Financial managers.....	502	42.4	4.3	4.1
Personnel and labor relations managers.....	130	49.1	5.5	3.1
Purchasing managers.....	99	24.4	5.6	2.8
Managers, marketing, advertising and public relations.....	482	32.0	3.6	2.6
Administrators, education and related fields.....	562	48.9	9.5	1.9
Managers, medicine and health.....	183	61.3	6.3	1.8
Managers, properties and real estate.....	433	44.8	6.2	6.6
Management-related occupations ¹	3,772	50.6	7.2	4.2
Accountants and auditors.....	1,329	49.6	7.5	3.7
Professional specialty¹	14,974	49.8	6.7	3.4
Architects.....	143	14.6	4.4	6.3
Engineers ¹	1,605	5.3	3.8	2.6
Aerospace engineers.....	115	7.3	5.4	8
Chemical engineers.....	65	12.0	2.7	2.1
Civil engineers.....	218	6.0	3.7	5.9
Electrical and electronic.....	573	7.9	3.7	2.5
Industrial engineers.....	221	12.9	6.0	1.2
Mechanical.....	297	3.7	2.9	2.6
Mathematical and computer scientists ¹	732	33.4	7.4	3.0
Computer systems analysts, scientists.....	479	29.5	7.4	2.6
Operations and systems researchers and analysts.....	210	39.6	6.4	4.0
Natural scientists¹	395	24.1	2.5	2.8
Chemists, except biochemists.....	125	23.7	4.1	2.0
Geologists and geodesists.....	50	12.9	8	2.0
Biological and life scientists.....	75	33.7	1.0	2.4
Health diagnosing occupations¹	818	18.2	2.8	4.0
Physicians.....	541	20.0	3.3	4.7
Dentists.....	152	9.3	1.9	3.0
Health assessment and treating occupations	2,154	84.9	7.8	2.9
Registered nurses.....	1,559	94.6	8.5	2.7
Pharmacists.....	168	31.9	2.7	1.1
Dietitians.....	74	86.0	18.8	4.7
Therapists¹	298	73.0	4.9	4.0
Inhalation therapists.....	65	54.0	7.6	4.6
Physical therapists.....	82	73.5	2.1	6.1
Speech therapists.....	66	90.2	3.9	-
Physicians' assistants.....	54	34.5	5.6	5.9
Teachers, college and university	700	38.5	4.0	3.6
Teachers, except college and university ¹	3,773	72.9	8.8	3.9
Prekindergarten and kindergarten.....	393	98.2	9.2	6.3
Elementary school.....	1,424	84.8	10.2	3.9
Secondary school.....	1,187	51.2	8.1	3.7
Special education.....	246	85.2	10.6	1.0
Counselors, educational and vocational.....	206	61.8	14.9	4.6
Librarians, archivists, and curators.....	219	82.6	8.0	1.5
Librarians.....	196	85.4	7.8	1.6
Social scientists and urban planners¹	343	47.6	7.1	3.9
Economists.....	116	35.3	6.1	4.0
Psychologists.....	196	55.3	7.8	4.0
Social, recreation, and religious workers¹	1,052	46.1	13.9	4.8
Social workers	537	66.0	19.3	6.2
Recreation workers.....	92	64.2	12.3	5.1
Clergy.....	348	8.8	8.6	2.7
Lawyers and judges	757	19.5	2.3	1.9
Lawyers.....	724	19.3	2.0	1.9
Writers, artists, entertainers, and athletes¹	1,855	46.7	4.3	3.6
Authors.....	82	56.0	4	7
Technical writers.....	58	47.4	2.6	1.6
Designers.....	510	53.3	2.1	3.6
Musicians and composers.....	151	29.6	7.7	7.2
Actors and directors.....	100	37.5	5.6	2.7
Painters, sculptors, craft-artists, and artist printmakers.....	215	51.2	3.6	4.2
Photographers.....	117	30.7	4.4	2.1
Editors and reporters.....	260	51.4	4.0	2.5
Public relations specialists.....	151	59.1	5.1	2.4
Announcers.....	52	16.1	9.2	6.2
Athletes.....	73	16.7	13.6	4.2

See footnotes at end of table.

No. 645. EMPLOYED CIVILIANS, BY OCCUPATION, SEX, RACE, AND HISPANIC ORIGIN: 1988—Continued

[See headnote, page 389]

OCCUPATION	Total employed (1,000)	PERCENT OF TOTAL		
		Female	Black	Hispanic
Technical, sales, and administrative support	35,532	64.8	9.1	5.8
Technicians and related support.....	3,521	47.9	9.4	4.3
Health technologists and technicians ¹	1,226	52.6	14.2	4.5
Clinical laboratory technologists and technicians.....	272	76.0	14.2	4.5
Dental hygienists.....	78	97.6	3.2	1.9
Health record technologists and technicians.....	59	86.7	13.4	10.0
Radiologic technicians.....	133	76.0	4.1	5.7
Licensed practical nurses.....	423	96.0	19.1	3.8
Engineering and related technologists and technicians ¹	930	18.9	6.1	4.7
Electrical and electronic technicians.....	322	14.4	6.8	6.6
Drafting occupations.....	290	16.3	5.5	4.3
Surveying and mapping technicians.....	78	12.9	3.3	2.8
Science technicians ¹	216	31.1	6.7	3.9
Biological technicians.....	55	42.5	8.2	5.1
Chemical technicians.....	81	26.8	10.0	3.1
Technicians, except health, engineering, and science ¹	1,149	37.7	6.9	3.9
Aircraft pilots and navigators.....	88	3.1	1.4	1.5
Computer programmers.....	570	32.2	6.9	3.8
Legal assistants.....	203	76.3	8.2	6.0
Sales occupations.....	13,747	48.9	6.1	5.3
Supervisors and proprietors.....	3,658	33.5	4.3	4.8
Sales representatives, finance and business services ¹	2,410	41.2	4.0	3.4
Insurance sales.....	545	29.7	4.5	4.3
Real estate sales.....	792	48.5	3.2	2.6
Securities and financial services sales.....	319	27.5	2.5	2.3
Advertising and related sales.....	168	47.8	5.4	3.3
Sales representatives, commodities, except retail.....	1,551	19.2	3.1	3.7
Sales workers, retail and personal services.....	6,068	68.6	8.9	6.8
Cashiers.....	2,337	82.2	12.5	7.4
Sales-related occupations.....	59	71.2	1.3	2.1
Administrative support, including clerical.....	18,264	80.1	11.3	6.5
Supervisors.....	764	58.0	13.5	5.9
Computer equipment operators.....	869	66.1	14.4	5.9
Computer operators.....	865	66.0	14.3	6.0
Secretaries, stenographers, and typists ¹	4,876	98.2	8.5	5.3
Secretaries.....	4,030	99.1	7.1	4.8
Typists.....	798	94.5	16.0	7.8
Information clerks.....	1,479	88.5	9.1	8.7
Receptionists.....	848	97.1	7.4	6.9
Records processing occupations, except financial ¹	827	82.1	15.6	6.2
Order clerks.....	197	77.3	15.7	5.2
Personnel clerks, except payroll and time keeping.....	65	89.7	17.7	6.2
Library clerks.....	143	78.8	11.2	6.1
File clerks.....	271	83.3	18.8	9.8
Records clerks.....	132	86.5	12.5	5.3
Financial records processing ¹	2,414	91.0	6.2	5.1
Bookkeepers, accounting, and auditing clerks.....	1,970	92.1	5.1	5.0
Payroll and time keeping clerks.....	173	90.0	8.8	4.6
Billing clerks.....	157	90.2	14.5	7.0
Cost and rate clerks.....	75	72.7	9.3	7.3
Duplicating, mail and other office machine operators.....	68	82.0	16.0	11.8
Communications equipment operators.....	218	89.4	19.3	4.5
Telephone operators.....	210	89.6	19.2	4.2
Mail and message distributing occupations.....	936	36.3	22.0	8.6
Postal clerks, except mail carriers.....	313	47.6	32.1	6.2
Mail carriers, postal service.....	320	22.0	13.4	10.4
Mail clerks, except postal service.....	163	50.6	23.8	10.0
Messengers.....	141	27.6	17.3	8.2
Material recording, scheduling, and distributing clerks ¹	1,681	38.4	14.0	8.5
Dispatchers.....	171	45.9	7.3	5.2
Production coordinators.....	192	46.6	9.3	6.2
Traffic, shipping, and receiving clerks.....	521	27.5	15.9	10.5
Stock and inventory clerks.....	559	38.7	16.2	9.3
Weighers, measurers, and checkers.....	72	46.0	15.6	5.5
Expeditors.....	95	62.8	10.2	7.9
Adjusters and investigators.....	949	75.0	11.3	6.0
Insurance adjusters, examiners, and investigators.....	287	72.2	10.1	4.8
Investigators and adjusters, except insurance.....	466	76.9	11.7	6.3
Eligibility clerks, social welfare.....	85	90.3	15.3	8.6
Bill and account collectors.....	130	66.6	10.5	5.9
Miscellaneous administrative support ¹	3,183	85.0	13.1	7.0
General office clerks.....	833	81.3	11.3	6.8
Bank tellers.....	478	91.0	8.8	6.6
Data entry keyers.....	362	88.2	19.8	7.8
Statistical clerks.....	85	73.4	8.8	8.1
Teachers' aides.....	423	95.9	14.3	9.6

See footnotes at end of table.

Employed Civilians

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NO. 645. EMPLOYED CIVILIANS, BY OCCUPATION, SEX, RACE, AND HISPANIC ORIGIN: 1988—Continued

[See headnote, page 389]

OCCUPATION	Total employed (1,000)	PERCENT OF TOTAL		
		Female	Black	Hispanic
Service occupations	15,332	60.5	17.6	10.2
Private household ¹	909	96.3	22.5	16.7
Child care workers	378	97.3	8.8	9.6
Cleaners and servants	476	95.6	32.0	22.1
Protective service	1,944	14.4	16.7	6.3
Supervisors, protective service	174	7.4	15.3	3.7
Supervisors, police and detectives	83	9.0	15.4	3.4
Firefighting and fire prevention	218	2.9	8.3	5.8
Firefighting occupations	195	2.1	8.6	6.4
Police and detectives	755	13.4	15.8	5.5
Police and detectives, public service	427	10.1	14.0	5.1
Sheriffs, bailiffs, and other law enforcement officers	111	17.4	9.2	5.4
Correctional institution officers	217	17.8	22.8	6.4
Guards	796	20.0	20.1	7.7
Guards and police, except public service	675	13.5	21.7	8.4
Service except private household and protective	12,479	65.1	17.4	10.3
Food preparation and service occupations ¹	5,182	61.6	12.4	10.2
Bartenders	324	49.6	2.2	5.8
Waiters and waitresses	1,363	82.6	3.9	5.7
Cooks, except short order	1,634	49.8	18.1	11.7
Short-order cooks	95	37.5	24.7	8.4
Food counter, fountain, and related occupations	325	70.2	12.5	9.0
Kitchen workers, food preparation	152	73.3	16.9	10.5
Waiters' and waitresses' assistants	339	39.9	15.3	20.0
Health service occupations	1,977	89.3	28.2	6.3
Dental assistants	165	98.7	6.8	3.9
Health aides, except nursing	407	83.7	17.9	7.5
Nursing aides, orderlies, and attendants	1,404	89.8	33.7	6.2
Cleaning and building service occupations ¹	2,994	42.6	23.0	15.2
Maid and housemen	644	85.0	29.0	18.2
Janitors and cleaners	2,133	31.2	21.1	14.6
Personal service occupations ¹	2,327	81.1	12.0	7.8
Barbers	94	18.3	13.3	9.9
Hairdressers and cosmetologists	769	89.5	8.1	7.8
Attendants, amusement and recreation facilities	130	40.3	6.7	4.5
Public transportation attendants	77	73.1	15.9	2.8
Welfare service aides	92	94.1	24.0	10.0
Child care workers, except private household	853	96.0	13.3	7.1
Precision production, craft, and repair	13,664	8.7	7.5	8.2
Mechanics and repairers	4,454	3.3	7.1	7.6
Mechanics and repairers, except supervisors ¹	4,198	3.1	7.2	7.8
Vehicle and mobile equipment mechanics and repairers ¹	1,811	.9	7.1	9.2
Automobile mechanics	879	.7	7.4	10.5
Aircraft engine mechanics	131	3.7	12.7	6.1
Electrical and electronic equipment repairers ¹	677	8.0	7.1	4.7
Data processing equipment repairers	140	8.8	6.7	2.6
Telephone installers and repairers	202	12.1	7.8	4.5
Construction trades	5,098	2.1	7.1	8.2
Construction trades, except supervisors	4,481	2.1	7.5	8.6
Carpenters	1,427	1.5	5.2	8.0
Extractive occupations	144	2.1	5.4	7.5
Precision production occupations	3,968	23.5	8.6	8.8
Operators, fabricators, and laborers	17,814	25.7	15.0	11.1
Machine operators, assemblers, and inspectors ¹	8,117	40.8	14.8	13.3
Textile, apparel, and furnishings machine operators ¹	1,355	78.0	21.0	19.2
Textile sewing machine operators	749	90.1	18.0	22.4
Pressing machine operators	146	65.7	28.1	28.3
Fabricators, assemblers, and hand working occupations	1,906	33.0	12.0	12.0
Production inspectors, testers, samplers, and weighers	849	51.6	13.9	7.1
Transportation and material moving occupations	4,831	8.0	14.9	7.1
Motor vehicle operators	3,532	4.3	13.3	6.9
Trucks, heavy and light	2,608	4.3	13.3	6.9
Transportation occupations, except motor vehicles	195	2.1	10.8	2.1
Material moving equipment operators	1,043	4.1	15.6	7.9
Industrial truck and tractor operators	431	5.7	22.6	10.7
Handlers, equipment cleaners, helpers, and laborers ¹	4,866	17.2	15.5	11.3
Freight, stock, and material handlers	1,756	17.5	15.8	8.7
Laborers, except construction	1,248	18.6	15.4	11.5
Farming, forestry, and fishing	3,437	16.3	6.6	13.0
Farm operators and managers	1,286	15.0	1.1	1.6
Other agricultural and related occupations	1,978	18.2	10.0	21.3
Farm workers	949	23.3	8.6	23.0
Forestry and logging occupations	117	4.2	11.2	4.2
Fishers, hunters, and trappers	56	7.3	3.1	3.0

— Represents or rounds to zero. ¹ Includes other occupations, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January 1989.

No. 646. CIVILIAN EMPLOYMENT IN OCCUPATIONS WITH THE LARGEST JOB GROWTH AND IN THE FASTEST GROWING AND FASTEST DECLINING OCCUPATIONS: 1988 AND 2000

[In thousands, except percent. For occupations employing 100,000 or more in 1988. Includes wage and salary jobs, self-employed and unpaid family members. Estimates based on the 1985 through 1987 Occupational Employment Statistics Surveys. See source for methodological assumptions. Minus sign (-) indicates decrease.]

OCCUPATION	EMPLOYMENT				PERCENT CHANGE 1988-2000		
	1988	2000 ¹			Low	Moderate	High
		Low	Moderate	High			
Total²	118,104	127,118	136,211	144,146	8	16	22
LARGEST JOB GROWTH³							
Salepersons, retail	3,834	4,225	4,564	4,785	10	19	25
Registered nurses	1,577	2,069	2,190	2,258	31	39	43
Janitors and cleaners ⁴	2,895	3,240	3,450	3,629	12	19	25
Waiters and waitresses	1,788	2,188	2,337	2,415	22	31	35
General managers and top executives	3,030	3,269	3,509	3,710	8	16	22
General office clerks	2,519	2,787	2,974	3,144	11	18	25
Secretaries, except legal and medical	2,903	3,085	3,266	3,484	6	13	20
Nursing aides, orderlies, and attendants	1,164	1,489	1,562	1,806	24	32	36
Truck drivers, light and heavy	2,399	2,572	2,768	2,973	7	15	24
Receptionists and information clerks	833	1,092	1,164	1,216	31	40	46
Cashiers	2,310	2,429	2,614	2,733	5	13	18
Guards	795	983	1,050	1,129	24	32	42
Computer programmers	519	718	789	831	38	48	60
Food counter, fountain, and related workers	1,626	1,747	1,866	1,927	7	15	19
Food preparation workers	1,027	1,183	1,260	1,305	15	23	27
Licensed practical nurses	626	806	855	881	29	37	41
Teachers, secondary school	1,164	1,328	1,388	1,451	14	19	25
Computer systems analysts	403	575	617	666	43	53	65
Accountants and auditors	963	1,099	1,174	1,250	14	22	30
Teachers, kindergarten and elementary	1,359	1,489	1,567	1,638	10	15	21
Maintenance repairers, general utility	1,080	1,199	1,282	1,359	11	19	26
Child care workers	670	790	856	901	18	28	34
Gardeners and groundskeepers, except farm	760	884	943	1,009	16	24	33
Lawyers	582	712	763	806	22	31	38
Electrical and electronics engineers	439	585	615	676	29	40	54
Carpenters	1,081	1,166	1,257	1,344	8	16	24
Stock clerks, sales floor	1,166	1,241	1,340	1,406	6	15	21
Food service and lodging managers	500	670	721	755	20	29	35
Home health aides	236	373	397	409	58	68	73
Cooks, restaurant	572	680	728	754	19	27	32
Physicians	535	642	684	707	20	28	32
Teachers aides and educational assistants	682	789	827	861	16	21	26
Clerical supervisors and managers	1,183	1,237	1,319	1,384	5	12	18
Blue collar worker supervisors	1,797	1,788	1,930	2,074	-1	7	15
Electrical and electronic engineering technicians	341	434	471	515	27	38	51
Dining room and cafeteria attendants and bar helpers	448	542	578	597	21	29	33
Financial managers	673	750	802	848	12	18	23
Automotive mechanics	741	833	896	947	8	18	26
Medical secretaries	207	307	327	334	49	58	61
Social workers	385	469	495	512	22	29	33
FASTEST GROWING							
Medical assistants	149	238	253	259	60	70	74
Home health aides	236	373	397	409	58	68	73
Radiologic technologists and technicians	132	206	216	224	57	66	70
Medical secretaries	207	307	327	334	49	58	61
Securities and financial services sales workers	200	289	309	325	45	55	63
Travel agents	142	204	219	235	43	54	66
Computer systems analysts	403	575	617	666	43	53	65
Computer programmers	519	716	789	831	38	48	60
Human services workers	118	161	171	176	37	45	49
Correction officers and jailers	186	261	262	276	35	41	48
Electrical and electronics engineers	439	585	615	676	29	40	54
Receptionists and information clerks	833	1,092	1,164	1,216	31	40	46
FASTEST DECLINING							
Electrical and electronic equipment assemblers, precision	161	81	91	99	-50	-44	-39
Electrical and electronic assemblers	237	119	134	144	-50	-44	-39
Farmers	1,141	800	875	932	-30	-23	-18
Stenographers	159	116	122	130	-27	-23	-18
Telephone and cable TV line installers and repairers	127	94	100	106	-25	-21	-16
Sewing machine operators, garment	620	493	531	565	-21	-14	-9
Crushing and mixing machine operators and tenders	136	107	117	126	-21	-14	-7
Textile draw-out and winding machine operators ⁵	227	180	197	215	-21	-16	-7
Machine feeders and offbearers	248	199	218	232	-20	-13	-7
Hand packers and packagers	636	536	560	596	-19	-12	-6
Packaging and filling machine operators and tenders	286	232	254	266	-19	-11	-7

¹ Based on low, moderate, or high trend assumptions. ² Includes other occupations, not shown separately. ³ In descending order, based on absolute employment change 1988 to 2000 (moderate growth). ⁴ Includes maids and housekeepers. ⁵ Includes tenders.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, November 1999.

NO. 647. OCCUPATIONAL TENURE, BY OCCUPATION: 1987

[As of January. For civilian noninstitutional population. Data refer to the number of years a person worked in his or her current occupation, regardless of number of employers. Figures shown here exclude miscellaneous occupations and those not elsewhere classified. Based on Current Population Survey; see text, section 1, and Appendix III]

OCCUPATION	Total employed (1,000)	Median tenure (years)	Median age (years)	OCCUPATION	Total employed (1,000)	Median tenure (years)	Median age (years)
Total, 16 years old and over.....	109,090	6.6	35.8	OCCUPATIONS WITH THE LONGEST TENURE			
OCCUPATIONS WITH 650,000 WORKERS OR MORE				Barbers.....	88	24.8	49.5
Secretaries.....	3,897	7.5	36.1	Farmers, except horticultural.....	1,019	21.1	50.1
Supervisors and proprietors, sales.....	3,539	7.9	38.3	Railroad conductors and yardmasters.....	53	18.4	44.3
Cashiers.....	2,123	2.4	24.4	Clergy.....	347	15.8	44.8
Bookkeepers, accounting and auditing clerks.....	2,110	7.1	38.9	Dentists.....	149	15.7	43.2
Janitors and cleaners.....	2,073	4.2	38.5	Telephone line installers and repairers.....	52	15.0	36.6
Truck drivers, heavy.....	1,740	10.1	38.0	Millwrights.....	101	14.8	43.2
Cooks, except short-order.....	1,596	3.8	29.3	Locomotive operating occupations.....	72	14.8	39.3
Registered nurses.....	1,538	9.3	36.5	Managers: farms, except horticultural.....	132	14.4	39.4
Teachers, elementary schools.....	1,412	12.4	39.0	Telephone installers and repairers.....	235	14.3	38.0
Supervisors; production occupations.....	1,379	10.1	40.6	Airplane pilots and navigators.....	86	14.0	41.6
Sales representatives ¹	1,354	8.6	37.6	Supervisors; police and detectives.....	76	13.8	42.1
Accountants and auditors.....	1,317	7.6	35.0	Grader, dozer, and scraper operators.....	75	13.3	41.4
Waiters and waitresses.....	1,303	4.2	25.9	Tailors.....	51	13.3	44.2
Nursing aides, orderlies and attendants.....	1,283	5.6	36.5	Civil engineers.....	237	13.0	38.8
Carpenters.....	1,222	8.0	32.7	OCCUPATIONS WITH THE SHORTEST TENURE			
Teachers, secondary schools.....	1,182	12.5	39.8	Food counter, fountain, and related occupations.....	310	1.5	18.8
Laborers, except construction.....	1,161	3.7	31.3	Waiters' and waitresses' assistants.....	323	1.7	20.3
Assemblers.....	1,033	5.4	34.6	Stock handlers and baggers.....	933	1.9	21.1
Farmers, except horticultural.....	1,019	21.1	50.1	Kitchen workers, food preparation.....	107	2.1	27.2
Stock handlers and baggers.....	933	1.9	21.1	Messengers.....	149	2.3	30.3
Automobile mechanics.....	933	9.3	31.1	Vehicle washers and equipment cleaners.....	232	2.3	26.7
Computer operators.....	859	4.8	31.3	News vendors.....	101	2.3	28.4
Typists.....	829	5.2	32.8	Mail clerks, except postal service.....	181	2.3	29.8
Child-care workers, except private household.....	779	2.7	34.2	Cashiers.....	2,123	2.4	24.4
Receptionists.....	766	3.3	31.4	File clerks.....	289	2.5	28.5
Textile sewing machine operators.....	740	6.6	37.8	Short-order cooks.....	104	2.5	20.9
Real estate sales.....	726	6.0	43.5	Garage and service station related occupations.....	246	2.6	23.8
Hairdressers and cosmetologists.....	723	8.9	35.5	Salesworkers, shoes.....	102	2.6	22.3
Farm workers.....	703	7.3	30.0	Hotel clerks.....	78	2.7	27.7
General office clerks.....	695	4.0	35.1	Child-care workers, except private household.....	779	2.7	34.2
Truck drivers, light.....	674	3.2	30.2				
Electricians.....	656	11.0	36.1				

¹ Mining, manufacturing, and wholesale trade.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*, October 1988.

NO. 648. OCCUPATION OF EMPLOYED CIVILIANS, BY SEX AND EDUCATIONAL ATTAINMENT: 1988

[As of March. For civilian noninstitutional population 25-64 years of age. Based on Current Population Survey; see text, section 1 and Appendix III]

YEARS OF SCHOOL COMPLETED	TOTAL ¹		MANAGERIAL/PROFES-SIONAL		TECHNICAL/SALES/ADMINISTRATIVE		SERVICE ²		PRECISION PRODUCTION ³		OPERATORS/FABRICATORS ⁴	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
NUMBER (1,000)												
Total.....	49,918	40,476	14,888	11,570	9,738	17,472	3,907	6,435	10,151	965	9,678	3,685
Less than 4 years of high school.....	7,807	4,812	460	287	617	1,048	908	1,830	2,257	227	2,967	1,330
4 years of high school only.....	18,402	17,437	2,212	2,273	3,287	9,225	1,776	3,275	5,418	513	4,936	1,982
1 to 3 years of college.....	9,342	8,640	2,427	2,508	2,894	4,683	812	997	1,885	155	1,296	269
4 years of college or more.....	14,387	9,586	9,588	6,502	3,140	2,537	410	333	591	69	479	103
PERCENT DISTRIBUTION												
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 4 years of high school.....	15.6	11.9	3.1	2.5	6.3	6.0	23.2	28.4	22.2	23.5	30.7	36.1
4 years of high school only.....	36.9	43.1	15.1	19.6	33.8	52.8	45.5	50.9	53.4	53.2	51.0	53.8
1 to 3 years of college.....	18.7	21.3	16.5	21.7	27.7	26.7	20.8	15.5	18.6	16.1	13.4	7.3
4 years of college or more.....	28.8	23.7	65.3	56.2	32.2	14.5	10.5	5.2	5.8	7.2	4.9	2.8

¹ Includes other occupations not shown separately.

² Includes private household workers.

³ Includes craft and repair.

⁴ Includes laborers.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 649. OCCUPATION OF EMPLOYED CIVILIANS BY SEX, RACE, AND EDUCATIONAL ATTAINMENT: 1988

[In thousands. As of March. For civilian noninstitutional population 25-64 years of age. Based on Current Population Survey; see text, section 1 and Appendix III]

SEX, RACE, AND YEARS OF SCHOOL COMPLETED	Total employed	Manu- gerial/ profes- sional	Tech./ sales/ admini- strative	Service ¹	Precision produc- tion ²	Operators/ fabrica- tors ³	Farming, forestry, fishing
Male, total:							
Less than 4 years of high school.....	7,807	460	617	908	2,257	2,967	596
4 years of high school only.....	18,402	2,212	3,287	1,776	5,418	4,936	774
1 to 3 years of college.....	9,342	2,427	2,694	812	1,885	1,296	227
4 years of college or more.....	14,367	9,588	3,140	410	591	479	159
White:							
Less than 4 years of high school.....	6,586	419	526	672	2,013	2,432	523
4 years of high school only.....	18,258	2,075	2,961	1,345	4,995	4,144	739
1 to 3 years of college.....	8,220	2,229	2,368	631	1,706	1,068	216
4 years of college or more.....	12,972	8,770	2,829	332	524	363	157
Black:							
Less than 4 years of high school.....	1,053	30	81	194	202	482	64
4 years of high school only.....	1,788	96	241	350	367	707	27
1 to 3 years of college.....	840	141	226	140	122	208	4
4 years of college or more.....	659	385	130	47	29	65	2
Female, total:							
Less than 4 years of high school.....	4,812	267	1,048	1,830	227	1,330	86
4 years of high school only.....	17,437	2,273	9,225	3,275	513	1,982	171
1 to 3 years of college.....	8,840	2,508	4,683	987	155	269	48
4 years of college or more.....	9,586	6,502	2,537	333	69	103	41
White:							
Less than 4 years of high school.....	3,781	234	947	1,255	187	1,075	83
4 years of high school only.....	15,052	2,054	8,251	2,613	433	1,539	163
1 to 3 years of college.....	7,420	2,222	3,993	820	131	205	48
4 years of college or more.....	8,310	5,724	2,163	257	58	68	41
Black:							
Less than 4 years of high school.....	874	33	91	518	26	205	2
4 years of high school only.....	2,024	187	822	585	54	369	6
1 to 3 years of college.....	940	217	509	146	17	49	-
4 years of college or more.....	805	515	221	50	10	10	-

- Represents zero. ¹ Includes private household workers. ² Includes craft and repair. ³ Includes laborers.

Source: U.S. Bureau of Labor Statistics, unpublished data.

No. 650. EMPLOYMENT BY INDUSTRY, 1970 TO 1988, AND BY SELECTED CHARACTERISTICS, 1988

[In thousands, except percent. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III. Data from 1985 forward not strictly comparable with earlier years due to changes in industrial classification]

INDUSTRY	1970	1980	1985	1986	1987	1988			
						Total	Percent		
							Fe- male	Black	His- panic ¹
Total employed	78,678	99,303	107,150	109,597	112,440	114,968	45.0	10.1	7.2
Agriculture.....	3,463	3,364	3,179	3,163	3,208	3,169	21.3	4.9	12.8
Mining.....	516	979	939	880	818	753	16.8	3.9	5.3
Construction.....	4,818	6,215	6,987	7,288	7,456	7,603	9.3	6.8	7.8
Manufacturing.....	20,746	21,942	20,879	20,962	20,935	21,320	32.9	10.2	8.3
Transportation, communication, and other public utilities.....	5,320	6,525	7,548	7,650	7,980	8,064	27.4	14.3	6.2
Wholesale and retail trade.....	15,008	20,191	22,298	22,813	23,392	23,663	47.4	7.8	7.4
Wholesale trade.....	2,672	3,920	4,341	4,416	4,580	4,578	28.0	5.7	7.4
Retail trade.....	12,336	16,270	17,955	18,397	18,812	19,085	52.1	8.3	7.4
Finance, insurance, real estate.....	3,945	5,993	7,005	7,401	7,763	7,921	59.2	8.0	5.7
Banking and other finances.....	1,697	2,568	3,135	3,263	3,421	3,454	64.8	8.3	6.0
Insurance and real estate.....	2,248	3,425	3,870	4,137	4,342	4,466	54.9	7.7	5.5
Services ²	20,385	28,752	33,322	34,337	35,743	37,043	61.3	11.8	6.5
Business services ²	1,403	2,361	3,999	4,306	4,706	5,051	67.7	11.8	7.7
Advertising.....	147	191	263	270	293	288	48.1	6.2	4.2
Services to dwellings and buildings.....	(NA)	370	571	601	675	791	47.3	17.0	18.5
Personnel supply services.....	(NA)	235	590	618	640	736	79.9	21.7	6.9
Business management/consulting.....	(NA)	307	395	446	460	561	48.6	7.3	3.9
Computer and data processing.....	(NA)	221	549	610	663	713	36.2	8.6	3.9
Detective/protective services.....	(NA)	213	318	335	371	345	19.1	21.3	8.1
Automobile services.....	600	952	1,322	1,280	1,271	1,341	12.6	8.3	11.3
Personal services ²	4,276	3,839	4,352	4,472	4,598	4,727	72.3	14.7	11.9
Private households.....	1,782	1,257	1,254	1,241	1,216	1,163	86.0	22.6	15.3
Hotels and lodging places.....	979	1,149	1,451	1,523	1,597	1,702	64.5	13.9	13.0
Entertainment and recreation.....	717	1,047	1,278	1,292	1,353	1,421	39.9	9.1	6.3
Professional and related services ²	12,904	19,853	21,563	22,174	22,963	23,725	67.4	11.9	4.9
Hospitals.....	2,843	4,036	4,269	4,386	4,444	4,520	76.9	16.8	5.3
Health services, except hospitals.....	1,628	3,245	3,641	3,761	4,034	4,251	76.3	12.2	5.0
Elementary, secondary schools.....	6,126	5,550	5,431	5,610	5,550	5,737	71.6	11.8	5.2
Colleges and universities.....	6,126	2,108	2,281	2,342	2,378	2,425	51.0	9.6	4.1
Social services.....	828	1,590	1,682	1,805	1,946	2,042	77.7	16.4	6.8
Legal services.....	429	776	995	1,034	1,138	1,177	55.4	5.1	4.1
Public administration ³	4,476	5,342	4,995	5,104	5,246	5,432	42.7	14.4	5.9

NA Not available. ¹ Hispanic persons may be of any race. ² Includes industries not shown separately. ³ Includes workers involved in uniquely governmental activities, e.g., judicial and legislative.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January issues.

Employment by Industry

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NO. 651. EMPLOYMENT BY SELECTED INDUSTRY, 1970 TO 1988, AND PROJECTIONS, 2000

[In thousands, except percent. Figures may differ from those in other tables since these data exclude establishments not elsewhere classified (SIC 99); in addition, agriculture services (SIC 074, 5, 8) are included in agriculture, not services. See source for details.]

SIC ¹ code	INDUSTRY	EMPLOYMENT				ANNUAL AVERAGE RATE OF CHANGE		
		1970	1980	1988	2000 ²	1970-1980	1980-1988	1988-2000 ²
(X)	Total	81,664	102,019	118,104	136,211	2.3	1.8	1.2
(X)	Nonfarm wage and salary.....	70,725	90,043	104,960	122,056	2.4	1.9	1.3
(X)	Goods-producing (excluding agriculture).....	23,578	25,659	25,252	25,680	.8	-2	.1
10-14	Mining.....	623	1,027	721	705	5.1	-4.3	-2
15-17	Construction.....	3,588	4,346	5,125	5,885	1.9	2.1	1.2
20-39	Manufacturing.....	19,367	20,286	19,406	19,090	.5	-6	-1
24, 25, 32-39	Durable.....	11,210	12,188	11,436	11,220	.8	-8	-2
24	Lumber and wood products.....	646	691	765	740	.7	1.3	-3
25	Furniture and fixtures.....	440	465	530	600	.6	1.6	1.0
32	Stone, clay, and glass products.....	644	662	600	580	.3	-1.2	-3
33	Primary metal industries.....	1,260	1,142	772	700	-1.0	-4.8	-8
331	Blast furnaces and basic steel products.....	627	512	277	241	-2.0	-7.4	-1.2
34	Fabricated metal products.....	1,560	1,613	1,431	1,352	.3	-1.5	-5
35	Machinery, except electrical.....	1,984	2,494	2,082	2,059	2.3	-2.2	-1
3573	Electronic computing equipment.....	194	354	418	453	6.2	2.1	.7
36	Electrical and electronic equipment ³	1,871	2,091	2,071	2,014	1.1	-1	-2
3662	Radio and TV communication equipment.....	362	378	456	463	.4	2.4	.1
3674	Semiconductors and related devices.....	(NA)	223	262	285	(NA)	4.0	7.7
37	Transportation equipment.....	1,852	1,900	2,050	2,002	.3	1.0	-2
371	Motor vehicles.....	799	788	856	786	-1	1.0	-7
38	Instruments and related products.....	527	712	749	822	3.1	6	.8
39	Miscellaneous manufacturing.....	426	418	396	350	-2	-1.0	-8
20-23, 26-31	Nonurable.....	8,157	8,098	7,970	7,870	-1	-2	-1
20	Food and kindred products.....	1,786	1,708	1,636	1,563	-4	-5	-4
21	Tobacco manufactures.....	83	69	56	40	-1.8	-2.6	-2.8
22	Textile mill products.....	274	847	729	627	-1.4	-1.9	-1.2
23	Apparel and other textile products.....	1,364	1,264	1,093	920	-8	-1.8	-1.4
26	Paper and allied products.....	705	693	693	690	-2	-	-
27	Printing and publishing.....	1,104	1,252	1,562	1,751	1.3	2.6	1.0
28	Chemicals and allied products.....	1,049	1,107	1,065	1,084	.5	-5	-1
29	Petroleum and coal products.....	192	196	162	140	.3	-2.5	-1.2
30	Rubber and miscellaneous plastics products.....	580	727	830	941	2.3	1.7	1.1
31	Leather and leather products.....	320	233	144	114	-3.1	-5.8	-1.9
(X)	Service-producing.....	47,147	64,384	79,708	96,376	3.2	2.7	1.6
40-42, 44-49	Transportation and public utilities.....	4,517	5,146	5,548	6,097	1.3	.9	.8
40-42, 44-47	Transportation.....	2,696	2,962	3,334	3,705	.9	1.5	.9
48	Communications.....	1,130	1,357	1,281	1,344	1.8	-7	.4
49	Public utilities.....	691	827	833	1,048	1.8	1.5	1.0
50-51	Wholesale trade.....	3,993	5,275	6,029	6,936	2.8	1.7	1.2
52-59	Retail trade.....	11,048	15,035	19,110	22,875	3.1	3.0	1.5
58	Eating and drinking places.....	2,575	4,626	6,282	7,796	6.0	3.9	1.8
60-67	Finance, insurance, and real estate.....	3,846	5,159	6,677	7,762	3.5	3.3	1.3
70-86, 89	Services ⁴	11,390	17,528	24,971	33,717	4.4	4.5	2.5
70	Hotels and other lodging places.....	(NA)	1,076	1,550	1,960	(NA)	4.7	2.0
72	Personal services.....	989	901	1,174	1,418	-9	3.4	1.6
73	Business services ⁵	1,676	3,092	5,570	8,311	6.3	7.6	3.4
734	Services to dwellings and other buildings.....	295	495	785	1,028	5.3	5.9	2.3
736	Personnel supply services.....	(NA)	563	1,369	2,218	(NA)	11.7	4.1
737	Computer and data processing services.....	(NA)	304	678	1,200	(NA)	10.5	4.9
7391, 2, 7	Research, management, and consulting services.....	(NA)	539	811	1,190	(NA)	5.2	3.2
79	Amusement and recreation services.....	468	764	918	1,152	5.0	2.3	1.9
80	Health services.....	3,053	5,278	7,144	10,139	5.6	3.9	3.0
801-4	Offices of health practitioners.....	(NA)	1,211	1,850	2,810	(NA)	5.4	3.5
805	Nursing and personal care facilities.....	(NA)	997	1,319	1,907	(NA)	3.6	3.1
806	Hospitals, private.....	1,863	2,750	3,300	4,245	4.0	2.3	2.1
807-9	Outpatient facilities and health services, n.e.c. ⁶	(NA)	320	675	1,177	(NA)	9.8	4.7
81	Legal services.....	236	496	852	1,181	7.8	6.9	2.8
82	Educational services.....	940	1,138	1,557	1,780	1.9	4.0	1.1
83, 4, 6, 9	Social, membership, and miscellaneous services.....	(NA)	3,704	4,781	6,046	(NA)	3.2	2.0
(X)	Government.....	12,553	16,241	17,373	18,989	2.6	.8	.7
(X)	Federal government.....	2,731	2,866	2,971	3,059	.5	.5	.2
(X)	State and local government.....	9,822	13,375	14,402	15,930	3.1	.9	.8
01, 2, 7, 8, 9	Agriculture.....	3,506	3,426	3,259	3,125	-2	-6	-3
88	Private households.....	1,794	1,256	1,163	1,103	-3.5	-1.0	-4
(X)	Nonfarm self-employed and unpaid family workers.....	5,639	7,294	8,722	9,927	2.6	2.3	1.1

- Represents or rounds to zero. NA Not available. X Not applicable. ¹ Standard Industrial Classification; see text, section 13. ² Projections based on assumptions of moderate growth; see source for details. ³ Includes other industries, not shown separately. ⁴ N.e.c. means not elsewhere classified.

No. 652. UNEMPLOYED WORKERS—SUMMARY: 1975 TO 1988

[In thousands, except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. For data on unemployment insurance, see table 597. See also *Historical Statistics, Colonial Times to 1970*, series D 87-101]

ITEM AND CHARACTERISTIC	1975	1980	1982	1983	1984	1985	1986	1987	1988
UNEMPLOYED									
Total ¹	7,929	7,637	10,678	10,717	8,539	8,312	8,237	7,425	6,701
Labor force time lost ² (percent).....	9.1	7.9	11.0	10.9	8.6	8.1	7.9	7.1	6.3
16-19 years old.....	1,767	1,869	1,977	1,829	1,499	1,468	1,454	1,347	1,226
20-24 years old.....	1,865	1,835	2,392	2,330	1,838	1,739	1,651	1,453	1,261
25-44 years old.....	2,727	2,964	4,589	4,728	3,709	3,681	3,781	3,410	3,095
45-64 years old.....	1,413	1,075	1,613	1,716	1,394	1,331	1,279	1,135	1,032
65 years and over.....	155	94	107	114	97	93	91	78	87
Male.....	4,442	4,267	6,179	6,260	4,744	4,521	4,530	4,101	3,655
16-19 years old.....	966	913	1,090	1,003	812	806	779	732	667
20-24 years old.....	1,081	1,076	1,407	1,369	1,023	944	899	779	676
25-44 years old.....	1,493	1,619	2,670	2,769	2,050	1,950	2,054	1,858	1,857
45-64 years old.....	801	600	943	1,046	806	786	741	684	606
65 years and over.....	103	58	69	73	53	55	58	49	49
Female.....	3,486	3,370	4,499	4,457	3,794	3,791	3,707	3,324	3,046
16-19 years old.....	802	755	886	825	687	661	675	616	558
20-24 years old.....	783	760	985	961	815	794	752	674	585
25-44 years old.....	1,235	1,345	1,919	1,958	1,659	1,732	1,708	1,552	1,439
45-64 years old.....	612	473	670	671	589	566	539	453	427
65 years and over.....	52	36	38	41	45	39	33	30	38
White ³	6,421	5,884	8,241	8,128	6,372	6,191	6,140	5,501	4,944
16-19 years old.....	1,413	1,291	1,534	1,387	1,116	1,074	1,070	995	910
20-24 years old.....	1,474	1,364	1,770	1,678	1,282	1,235	1,149	1,017	874
Black ³	1,369	1,553	2,142	2,272	1,914	1,864	1,840	1,684	1,547
16-19 years old.....	330	343	396	392	353	357	347	312	288
20-24 years old.....	362	426	565	591	504	455	453	397	349
Hispanic ^{3,4}	508	620	929	961	800	811	857	751	732
16-19 years old.....	(NA)	145	175	167	149	141	141	136	148
20-24 years old.....	(NA)	138	221	214	164	171	183	152	145
Full-time workers.....	6,523	6,269	9,008	9,075	7,057	6,793	6,708	5,979	5,357
Part-time workers.....	1,406	1,368	1,672	1,642	1,481	1,519	1,529	1,448	1,343
UNEMPLOYMENT RATE (percent) ⁵									
Total ¹	8.6	7.1	9.7	9.6	7.5	7.2	7.0	6.2	6.5
16-19 years old.....	19.9	17.8	23.2	22.4	18.9	18.6	18.3	16.9	15.3
20-24 years old.....	13.6	11.5	14.9	14.5	11.5	11.1	10.7	9.7	8.7
25-44 years old.....	6.9	6.0	8.8	8.5	6.4	6.2	6.1	5.4	4.8
45-64 years old.....	5.0	3.7	5.6	5.9	4.8	4.5	4.3	3.8	3.3
65 years and over.....	5.2	3.1	3.5	3.7	3.3	3.2	3.0	2.5	2.7
Male.....	7.9	6.9	9.9	9.9	7.4	7.0	6.9	6.2	5.5
16-19 years old.....	20.1	18.3	24.4	23.3	19.6	19.5	19.0	17.8	16.0
20-24 years old.....	14.3	12.5	16.4	15.9	11.9	11.4	11.0	9.9	8.9
25-44 years old.....	6.1	5.6	8.7	8.8	6.3	5.9	6.0	5.3	4.6
45-64 years old.....	4.6	3.5	5.6	6.2	4.8	4.5	4.4	4.0	3.5
65 years and over.....	5.4	3.1	3.7	3.9	3.0	3.1	3.2	2.6	2.5
Female.....	9.3	7.4	9.4	9.2	7.6	7.4	7.1	6.2	5.6
16-19 years old.....	19.7	17.2	21.9	21.3	18.0	17.6	17.6	15.9	14.4
20-24 years old.....	12.7	10.4	13.2	12.9	10.9	10.7	10.3	9.4	8.5
25-44 years old.....	8.1	6.4	8.3	8.2	6.6	6.6	6.2	5.5	4.9
45-64 years old.....	5.6	4.0	5.6	5.6	4.9	4.6	4.2	3.5	3.2
65 years and over.....	5.0	3.1	3.2	3.4	3.8	3.3	2.8	2.4	2.9
White ³	7.8	6.3	8.6	8.4	6.5	6.2	6.0	5.3	4.7
16-19 years old.....	17.9	15.5	20.4	19.3	16.0	15.7	15.6	14.4	13.1
20-24 years old.....	12.3	9.9	12.8	12.1	9.3	9.2	8.7	8.0	7.1
Black ³	14.8	14.3	18.9	19.5	15.9	15.1	14.5	13.0	11.7
16-19 years old.....	39.5	38.5	48.0	48.5	42.7	40.2	39.3	34.7	32.4
20-24 years old.....	24.5	23.6	30.5	31.4	26.1	24.5	24.1	21.8	19.6
Hispanic ^{3,4}	12.2	10.1	13.8	13.7	10.7	10.5	10.6	8.8	8.2
16-19 years old.....	(NA)	22.5	29.9	28.4	24.1	24.3	24.7	22.3	22.0
20-24 years old.....	(NA)	12.1	17.7	16.7	12.4	12.6	12.9	10.6	9.8
Experienced workers ⁶	8.2	6.9	9.3	9.2	7.1	6.8	6.6	5.8	5.2
Women maintaining families ¹	10.0	9.2	11.7	12.3	10.4	10.5	9.9	9.3	8.2
White.....	8.5	7.3	9.4	9.2	7.8	8.1	7.8	6.8	6.0
Black.....	(NA)	14.0	18.0	20.2	16.7	16.4	15.4	15.4	13.7
Married men, wife present ¹	5.1	4.2	6.5	6.5	4.6	4.3	4.4	3.9	3.3
White.....	4.8	3.9	6.0	6.0	4.3	4.0	4.0	3.6	3.0
Black.....	8.7	7.4	11.5	11.3	8.1	8.0	8.0	6.5	5.8
Percent without work for—									
Less than 6 weeks.....	37.1	43.1	36.4	33.3	39.2	42.1	41.9	43.7	46.0
5-10 weeks.....	22.2	23.4	21.7	19.4	20.6	22.2	22.6	21.6	22.2
11-14 weeks.....	9.1	9.0	9.4	8.0	8.1	8.0	8.4	7.9	7.8
15-26 weeks.....	16.4	13.8	16.0	15.4	12.9	12.3	12.7	12.7	12.0
27 weeks and over.....	15.2	10.7	18.6	23.9	19.1	15.4	14.4	14.0	12.1
Unemployment duration, average (weeks).....	14.2	11.9	15.6	20.0	18.2	15.6	15.0	14.5	13.5

NA Not available. ¹ Includes other races, not shown separately. ² Aggregate hours lost by the unemployed and persons on part-time for economic reasons as a percent of potentially available labor force hours. ³ Includes other ages, not shown separately. ⁴ Hispanic persons may be of any race. ⁵ Unemployed as percent of civilian labor force in specified group. ⁶ Wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly; and unpublished data.

Unemployed Persons

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NO. 653. UNEMPLOYED PERSONS, BY SEX AND REASON, 1970 TO 1988, AND BY DURATION, 1988

[In thousands, except as indicated. For civilian noninstitutional population 16 years old and over. Annual averages of monthly figures. Based on Current Population Survey; see text, section 1 and Appendix III]

SEX AND REASON UNEMPLOYED	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988			
											Total	Duration of unemployment (percent)		
												Less than 5 weeks	5 to 14 weeks	15 weeks and over
Male	2,238	4,442	4,267	4,577	6,179	6,260	4,744	4,521	4,530	4,101	3,855	41.2	30.8	28.0
Job losers.....	1,199	2,909	2,649	2,821	4,278	4,331	2,976	2,749	2,725	2,432	2,078	35.4	31.4	33.2
Job leavers.....	282	375	438	435	390	386	375	409	520	494	503	49.6	30.6	19.8
Reentrants.....	533	782	776	850	946	953	867	876	805	761	697	46.8	29.7	23.5
New entrants.....	224	377	405	472	565	589	526	487	480	413	376	51.3	30.4	18.3
Female	1,855	3,486	3,370	3,696	4,499	4,457	3,794	3,791	3,707	3,324	3,046	51.8	29.0	19.3
Job losers.....	614	1,478	1,297	1,446	1,990	1,926	1,445	1,390	1,306	1,134	1,014	40.6	32.1	27.3
Job leavers.....	267	452	454	488	450	444	449	468	494	471	479	55.6	30.0	14.4
Reentrants.....	696	1,110	1,151	1,252	1,438	1,459	1,317	1,380	1,355	1,213	1,112	56.9	26.8	16.3
New entrants.....	279	447	468	509	621	627	584	552	549	506	440	60.4	26.2	13.4

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and Bulletin 2307.

NO. 654. UNEMPLOYMENT RATES, BY EDUCATIONAL ATTAINMENT, SEX, AND RACE: 1970 TO 1988

[In percent. As of March. Civilian noninstitutional population 25 to 64 years of age. Based on Current Population Survey; see text, section 1 and Appendix III]

ITEM	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total ¹	3.3	6.9	5.8	4.5	4.4	5.0	5.8	7.6	9.0	6.6	6.1	6.1	5.7	4.7
High school: 1-3 years.....	4.6	10.7	9.0	7.4	7.2	8.4	10.1	12.5	15.8	12.1	11.4	11.6	11.1	9.6
4 years.....	2.9	6.9	5.6	4.5	4.4	5.1	6.2	8.5	10.0	7.2	6.9	6.9	6.3	5.4
College: 1-3 years.....	2.9	5.5	5.0	3.3	3.5	4.3	4.5	6.4	7.3	5.3	4.7	4.7	4.5	3.7
4 years or more.....	1.3	2.5	2.8	2.2	2.1	1.9	2.2	3.0	3.5	2.7	2.4	2.3	2.3	1.7
Male: Total ¹	2.9	6.7	5.3	4.2	4.0	4.9	5.8	7.9	9.8	6.9	6.1	6.2	6.0	5.1
High school: 1-3 years.....	4.0	10.5	8.6	7.1	6.6	8.2	10.2	12.7	16.1	12.3	11.2	11.7	11.2	10.1
4 years.....	2.4	6.7	5.1	4.2	4.2	5.3	6.6	9.3	11.9	8.1	7.2	7.4	6.7	6.2
College: 1-3 years.....	2.7	5.1	4.5	3.1	3.2	4.4	4.4	6.8	8.4	5.2	4.5	4.7	5.0	3.9
4 years or more.....	1.1	2.2	2.4	1.9	1.7	1.7	1.9	2.9	3.4	2.7	2.4	2.3	2.5	1.6
Female: Total ¹	4.0	7.4	6.5	5.0	4.9	5.0	5.7	7.2	7.9	6.1	6.0	5.8	5.2	4.2
High school: 1-3 years.....	5.7	10.5	9.7	7.9	8.3	8.9	10.0	12.2	15.3	11.7	11.7	11.4	10.9	8.9
4 years.....	3.6	7.1	6.2	4.9	4.7	5.0	5.8	7.8	8.0	6.3	6.5	6.3	5.8	4.6
College: 1-3 years.....	3.1	6.3	5.7	3.6	3.8	4.1	4.6	5.3	6.0	5.3	4.8	4.8	4.0	3.4
4 years or more.....	1.9	3.4	3.6	2.6	2.8	2.2	2.7	3.3	3.7	2.7	2.5	2.4	2.1	1.9
White: Total ¹	3.1	6.5	5.3	4.0	3.9	4.4	5.1	6.8	8.0	5.7	5.3	5.5	5.0	4.0
High school: 1-3 years.....	4.5	10.1	8.4	6.7	6.5	7.8	9.2	12.2	15.0	10.9	10.6	10.9	10.2	8.3
4 years.....	2.7	6.5	5.2	4.0	3.9	4.6	5.6	7.6	8.9	6.4	6.1	6.2	5.5	4.6
College: 1-3 years.....	2.8	5.1	4.6	2.9	3.1	3.9	4.0	5.8	6.5	4.6	3.9	4.2	4.1	3.2
4 years or more.....	1.3	2.4	2.5	2.0	2.0	1.8	2.1	2.8	3.1	2.4	2.1	2.2	2.2	1.5
Black: Total ^{1, 2}	4.7	10.9	10.1	6.9	6.9	6.6	11.4	13.9	16.8	13.3	12.0	10.7	10.6	10.0
High school: 1-3 years.....	5.2	13.5	11.7	10.7	10.6	11.7	14.3	14.4	19.9	17.4	15.3	15.3	14.8	15.7
4 years.....	5.2	10.7	10.1	9.3	9.3	9.5	11.8	16.4	18.9	14.5	13.0	11.7	11.7	11.2
College: 1-3 years.....	3.5	9.8	10.5	6.7	6.7	6.7	9.0	9.5	12.5	13.3	9.7	10.6	8.7	7.6
4 years or more.....	.9	3.9	2.8	4.2	3.9	4.0	4.0	7.1	8.1	6.2	5.4	3.2	4.2	3.3

¹ Includes persons reporting no school years completed. ² For 1970 and 1975, data refer to Black and other workers.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307 and unpublished data.

NO. 655. UNEMPLOYMENT RATES, BY INDUSTRY, 1975 TO 1988, AND BY SEX, 1980 AND 1988

[In percent. For civilian noninstitutional population 16 years old and over. Rate represents unemployment as a percent of labor force in each specified group. Annual averages of monthly figures. Beginning 1983, data not strictly comparable with earlier years due to changes in industrial classification]

INDUSTRY	1975	1980	1983	1984	1985	1986	1987	1988	MALE		FEMALE	
									1980	1988	1980	1988
									All unemployed ¹	8.5	7.1	9.6	7.5	7.2	7.0	6.2	5.5	6.9	5.5	7.4	5.6
Industry: ²												
Agriculture.....	10.3	11.0	16.0	13.5	13.2	12.5	10.5	10.6	9.7	10.2	15.1	12.0
Mining.....	4.1	6.4	17.0	10.0	9.5	13.5	10.0	7.9	6.8	8.5	4.5	4.6
Construction.....	18.0	14.1	18.4	14.3	13.1	11.1	11.6	10.8	14.7	11.1	8.8	6.4
Manufacturing.....	10.9	8.5	11.2	7.5	7.7	7.1	6.0	5.3	7.4	4.7	10.7	6.4
Transportation and public utilities.....	5.6	4.9	7.4	5.5	5.1	5.1	4.5	3.9	5.1	3.9	4.4	3.7
Wholesale and retail trade.....	8.7	7.4	10.0	8.0	7.6	6.9	6.2	6.6	6.6	5.8	8.3	6.9
Finance, insurance, and real estate.....	4.9	3.4	4.5	3.7	3.5	3.5	3.1	3.0	3.2	2.8	3.5	3.2
Services.....	7.1	5.9	7.9	6.6	6.2	6.1	5.4	4.9	6.2	5.0	5.7	4.9
Government.....	4.1	4.1	5.3	4.5	3.9	3.6	3.5	2.8	3.8	2.9	4.3	2.7

¹ Includes the self-employed, unpaid family workers, and persons with no previous work experience, not shown separately.

² Covers unemployed wage and salary workers.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 656. UNEMPLOYMENT AND UNEMPLOYMENT RATES BY OCCUPATION, 1983 TO 1988, AND BY SEX, 1988

[For civilian noninstitutional population 16 years old and over. Beginning 1985, annual averages of monthly data; 1983 data estimated, see text, section 13. Rate represents unemployment as a percent of the labor force for each specified group. Based on Current Population Survey; see text, section 1, and Appendix III]

OCCUPATION	NUMBER (1,000)			UNEMPLOYMENT RATE				
	1983	1985	1988	1983	1985	1988		
						Total	Male	Female
Total ¹	10,717	8,312	6,701	9.6	7.2	6.5	5.5	5.6
Managerial and professional specialty.....	795	645	577	3.3	2.4	1.9	1.8	2.1
Executive, administrative, and managerial.....	398	329	311	3.5	2.6	2.1	2.0	2.3
Professional specialty.....	399	316	266	3.0	2.3	1.7	1.6	1.9
Technical sales, and administrative support.....	2,116	1,894	1,479	6.3	4.9	4.0	3.3	4.3
Technicians and related support.....	152	110	95	4.7	3.3	2.6	2.4	2.8
Sales occupations.....	850	702	652	6.7	5.3	4.5	3.1	6.0
Administrative support, including clerical.....	1,114	882	732	6.4	4.9	3.9	4.3	3.8
Service occupations.....	1,697	1,386	1,136	10.9	8.8	6.9	6.7	7.0
Private household.....	79	69	54	7.4	6.4	5.7	11.2	5.4
Protective service.....	120	85	81	6.7	4.7	4.0	3.5	7.0
Service except private household and protective....	1,498	1,293	1,000	11.8	9.5	7.4	7.8	7.2
Precision production, craft, and repair.....	1,466	1,038	773	10.6	7.2	5.4	5.3	5.7
Mechanics and repairs.....	344	225	166	7.6	4.8	3.6	3.5	5.5
Construction trades.....	709	531	405	14.2	10.1	7.4	7.3	8.5
Other precision production, craft, and repair.....	412	281	202	9.6	6.4	4.7	4.5	5.4
Operators, fabricators, and laborers.....	2,955	2,140	1,620	15.5	11.3	8.3	8.1	8.9
Machine operators, assemblers, inspectors.....	1,411	980	673	15.4	11.1	7.7	6.7	9.0
Transportation and material moving occupations.....	596	422	317	12.4	8.5	6.2	6.2	5.2
Handlers, equipment cleaners, helpers, laborers....	948	739	630	16.6	14.3	11.5	11.7	10.3
Construction laborers.....	207	166	192	25.8	21.3	19.4	19.3	(9)
Farming, forestry, and fishing.....	407	315	260	9.9	8.3	7.0	6.8	8.3

B Base is less than 35,000. ¹ Includes persons with no previous work experience and those whose last job was in the Armed Forces.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 657. RANGE OF UNEMPLOYMENT MEASURES BASED ON VARYING DEFINITIONS OF UNEMPLOYMENT AND THE LABOR FORCE: 1970 TO 1988

[In percent. Annual averages of monthly figures. Based on Current Population Survey, see text, section 1, and Appendix III]

MEASURE	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988
Persons unemployed 15 weeks or longer as a percent of the civilian labor force.....	.8	2.7	1.7	2.1	3.2	3.8	2.4	2.0	1.9	1.7	1.3
Job losers as a percent of the civilian labor force.....	2.2	4.7	3.7	3.9	5.7	5.6	3.9	3.6	3.4	3.0	2.5
Unemployed persons 25 years and over as a percent of the 25 and over civilian labor force.....	3.3	6.0	5.1	5.4	7.4	7.5	5.8	5.6	5.4	4.8	4.3
Unemployed full-time jobseekers as a percent of the full-time civilian labor force.....	4.5	8.1	6.9	7.3	9.6	9.5	7.2	6.8	6.6	5.8	5.2
Total unemployed as a percent of the labor force, including the resident Armed Forces ¹	4.8	8.3	7.0	7.5	9.5	9.5	7.4	7.1	6.9	6.1	5.4
Total unemployed as a percent of the civilian labor force ¹	4.9	8.5	7.1	7.6	9.7	9.6	7.5	7.2	7.0	6.2	5.5
Total full-time jobseekers plus 1/2 part-time jobseekers plus 1/2 total on part-time for economic reasons as a percent of the civilian labor force less 1/2 of the part-time labor force.....	6.3	10.5	9.2	9.8	12.6	12.6	10.1	9.6	9.4	8.5	7.6
Total full-time jobseekers plus 1/2 part-time jobseekers plus 1/2 total on part-time for economic reasons plus discouraged workers as a percent of the civilian labor force plus discouraged workers less 1/2 of the part-time labor force.....	7.1	11.6	10.1	10.8	14.0	13.9	11.2	10.6	10.3	9.3	8.4

¹ Current unemployment rate definition.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307; *Employment and Earnings*, monthly, and unpublished data.

No. 658. TOTAL UNEMPLOYED AND INSURED UNEMPLOYED—STATES: 1980 TO 1988

[For civilian noninstitutional population 18 years old and over. Annual averages of monthly figures. Total unemployment estimates based on the Current Population Survey (CPS); see text, section 1, and Appendix III. U.S. totals derived by independent population controls; therefore State data may not add to U.S. totals]

DIVISION AND STATE	TOTAL UNEMPLOYED										INSURED UNEMPLOYED ²			
	Number (1,000)					Percent ¹					Number (1,000)	Percent ²		
	1980	1985	1986	1987	1988	1980	1985	1986	1987	1988	1987	1988	1987	1988
U.S.	7,537	8,312	8,237	7,425	6,701	7.1	7.2	7.0	6.2	6.5	2,300	2,081	2.4	2.1
N. Eng.: ME	39	30	30	26	22	7.8	5.4	5.3	4.4	3.8	10.1	8.9	2.2	1.8
NH.....	22	21	16	15	15	4.7	3.9	2.8	2.5	2.4	2.6	2.7	5.5	
VT.....	16	13	14	11	8	6.4	4.8	4.7	3.6	2.8	4.3	4.1	1.9	1.7
MA.....	162	121	117	99	103	5.6	3.9	3.8	3.2	3.3	53.3	57.9	1.8	1.9
RI.....	34	25	21	20	16	7.2	4.9	4.0	3.8	3.1	11.5	11.5	2.7	2.6
CT.....	94	83	66	58	52	5.9	4.9	3.8	3.3	3.0	20.2	20.8	1.3	1.3
Mid. Atl.: NY	597	544	526	412	358	7.5	6.5	6.3	4.9	4.2	170.4	161.8	2.2	2.1
NJ.....	259	218	196	160	151	7.2	5.7	5.0	4.0	3.8	71.2	70.5	2.1	2.0
PA.....	425	442	386	320	294	7.8	8.0	6.8	5.7	5.1	132.6	118.5	2.9	2.5
E. No. Cent.: OH	426	455	426	367	320	8.4	8.9	8.1	7.0	6.0	103.8	89.4	2.4	2.0
IN.....	252	215	185	175	150	9.6	7.9	6.7	6.4	5.3	36.4	29.3	1.7	1.3
IL.....	458	513	461	423	392	8.3	9.0	8.1	7.4	6.8	121.0	104.2	2.6	2.2
MI.....	534	433	385	369	348	12.4	9.9	8.8	8.2	7.6	121.5	116.5	3.5	3.2
WI.....	167	171	169	152	110	7.2	7.2	7.0	6.1	4.3	50.8	43.6	2.6	2.2
W. No. Cent.: MN	125	133	118	122	94	5.9	6.0	5.3	5.4	4.0	38.3	35.7	2.1	1.9
IA.....	82	113	100	80	67	5.8	8.0	7.0	5.5	4.5	22.0	17.7	2.1	1.7
MO.....	167	159	154	164	148	7.2	6.4	6.1	6.3	5.7	48.3	44.7	2.4	2.1
ND.....	15	20	21	17	16	5.0	5.9	6.3	5.2	4.8	5.9	5.0	2.7	2.2
SD.....	16	18	16	15	14	4.9	5.1	4.7	4.2	3.9	2.8	3.0	1.2	1.3
NE.....	31	44	40	40	29	4.1	5.5	5.0	4.9	3.6	10.8	8.4	1.7	1.3
KS.....	53	62	67	62	61	4.5	5.0	5.4	4.9	4.8	21.9	19.5	2.3	2.0
So. Atl.: DE	22	17	14	10	11	7.7	5.3	4.3	3.2	3.2	3.4	4.3	1.1	1.1
MD.....	140	103	105	102	110	6.5	4.6	4.5	4.2	4.5	30.5	27.0	1.7	1.4
DC.....	24	27	25	21	17	7.3	8.4	7.7	6.3	5.0	7.9	7.5	1.9	1.7
VA.....	128	161	145	126	120	5.0	5.6	5.0	4.2	3.9	21.0	22.5	9.9	9.9
NC.....	74	100	89	81	74	9.4	13.0	11.9	10.8	9.9	19.9	16.9	3.6	3.0
WV.....	167	167	170	146	121	6.6	6.4	5.3	4.5	3.6	41.9	38.7	1.5	1.4
SC.....	96	107	100	91	76	6.9	6.8	6.2	5.6	4.5	22.1	20.6	1.7	1.5
GA.....	163	187	178	167	185	6.4	6.5	5.9	5.5	5.8	40.8	36.0	1.6	1.3
FL.....	251	319	320	312	305	5.9	6.0	5.7	5.3	5.0	51.7	51.0	1.1	1.0
E. So. Cent.: KY	133	161	156	148	134	8.0	9.5	9.3	8.8	7.9	28.7	27.9	2.4	2.2
TN.....	152	180	185	154	136	7.3	8.0	8.0	6.6	5.8	39.8	39.5	2.1	2.0
AL.....	147	160	185	147	136	8.8	8.9	9.8	7.8	7.2	36.9	31.3	2.7	2.2
MS.....	79	115	136	117	96	7.5	10.3	11.7	10.2	8.4	25.5	21.8	3.2	2.6
W. So. Cent.: AR	76	91	94	88	86	7.6	8.7	8.7	8.1	7.7	26.6	25.0	3.4	3.1
LA.....	121	229	261	234	209	6.7	11.5	13.1	12.0	10.9	60.7	42.4	4.3	3.0
OK.....	66	112	131	115	102	4.8	7.1	8.2	7.4	6.7	24.7	19.6	2.4	1.9
TX.....	352	564	726	697	606	5.2	7.0	8.9	8.4	7.9	147.2	111.8	2.4	1.8
MT: MT	23	31	33	30	27	6.1	7.7	8.1	7.4	6.8	8.5	7.5	3.4	2.9
ID.....	34	37	41	38	28	7.9	7.9	8.7	8.0	5.8	13.0	11.3	4.1	3.5
WY.....	9	18	22	21	15	4.0	7.1	9.0	8.6	6.3	5.9	3.9	3.4	2.3
CO.....	88	101	126	130	109	5.9	5.9	7.4	7.7	6.4	32.1	26.5	2.4	2.0
NM.....	42	57	62	61	54	7.5	8.8	9.2	8.9	7.8	13.7	11.6	2.9	2.4
AZ.....	83	96	110	101	104	6.7	6.5	6.9	6.2	6.3	25.2	22.9	1.9	1.7
UT.....	40	43	45	48	37	6.3	5.9	6.0	6.4	4.9	12.4	9.5	2.2	1.6
NV.....	27	41	32	35	30	6.2	8.0	6.0	6.3	5.2	10.7	9.4	2.3	1.9
Pac.: WA	157	171	179	171	141	7.9	8.1	8.2	7.6	6.2	60.2	60.4	3.6	3.4
OR.....	108	117	114	86	82	8.3	8.8	8.5	6.2	5.8	35.8	31.4	3.5	2.9
CA.....	790	931	892	792	743	6.8	7.2	6.7	5.8	5.3	336.7	319.2	2.9	2.7
AK.....	18	24	26	27	23	9.7	9.7	10.8	10.8	9.3	13.3	10.5	7.0	5.6
HI.....	21	27	24	20	16	4.9	5.6	4.8	3.8	3.2	7.1	6.5	1.7	1.5

¹ Total unemployment as percent of civilian labor force. ² Source: U.S. Employment and Training Administration, *Unemployment Insurance, Financial Data*, annual updates. ³ Insured unemployment as percent of average covered employment in the previous year. ⁴ Includes 34,650 persons in Puerto Rico and 409 in the Virgin Islands in 1987 and 32,062 in Puerto Rico and 494 in the Virgin Islands in 1988.

Source: Except as noted, U.S. Bureau of Labor Statistics, *Geographic Profile of Employment and Unemployment*, annual.

No. 659. U.S. EMPLOYMENT SERVICE JOB OPENINGS AND PLACEMENTS, AND INDEX OF HELP-WANTED ADVERTISING: 1970 TO 1988

[In thousands, except as indicated. Openings and placements 1970-1983, for years ending Sept. 30; beginning 1985, for years ending June 30]

ITEM	1970	1980	1981	1982	1983	1984	1985	1986	1987	1988
Job openings: ¹ Received.....	6,130	8,122	7,548	6,150	6,494	² 5,144	7,529	6,950	6,968	7,204
Average per month.....	511	677	629	513	541	² 572	627	579	581	600
Nonagricultural placements ¹	4,604	5,610	3,509	2,804	3,012	² 2,297	3,270	4,856	4,516	4,503
Index of help-wanted advertising in newspapers ³ (1967=100).....	93	128	118	86	95	130	138	138	153	157

NA Not available. ¹ As reported by State employment agencies. Beginning 1985, all placements. ² Data for nine months from October 1, 1983 through June 30, 1984. ³ Source: The Conference Board, New York, NY, *The Statistical Bulletin*. Further reproduction prohibited without permission. Index based on number of advertisements in classified sections of 51 newspapers, each in a major employment area.

Source: Except as noted, U.S. Employment and Training Administration, unpublished data.

**No. 660. NONAGRICULTURAL ESTABLISHMENTS—EMPLOYEES, HOURS, AND EARNINGS, BY INDUSTRY:
1960 TO 1988**

[Based on data from establishment reports. Includes all full- and part-time employees who worked during, or received pay for, any part of the pay period reported. Excludes proprietors, the self-employed, farmworkers, unpaid family workers, private household workers, and Armed Forces. Establishment data shown here conform to industry definitions in the 1972 Standard Industrial Classification Manual and are adjusted to March 1988 employment benchmarks; consequently, may not be comparable with previously published data. Based on the Current Employment Statistics Program; see Appendix III. See also *Historical Statistics, Colonial Times to 1970*, series D 127-141 and D 803, 878, 881, 884, and 890]

ITEM AND YEAR	Total	NONAGRICULTURAL ESTABLISHMENTS									GROUPED INDUSTRIES	
		Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government	Goods-related ¹	Service-related and all other
EMPLOYEES (1,000)												
1960.....	54,189	712	2,926	16,796	4,004	3,143	8,246	2,629	7,378	8,353	20,434	33,755
1965.....	60,765	832	3,232	18,062	4,036	3,466	9,250	2,977	9,036	10,074	21,926	38,839
1970.....	70,880	923	3,588	19,367	4,515	3,993	11,047	3,645	11,548	12,554	23,578	47,302
1975.....	76,945	752	3,525	18,323	4,542	4,415	12,845	4,165	13,892	14,896	22,800	54,345
1980.....	90,406	1,027	4,346	20,295	5,146	5,275	15,035	5,190	17,890	16,241	25,058	64,748
1982.....	89,566	1,126	3,905	18,761	5,062	5,278	15,179	5,341	18,036	15,837	23,813	65,752
1983.....	90,200	952	3,948	18,434	4,954	5,268	15,813	5,468	19,694	15,870	23,334	66,866
1984.....	94,496	966	4,383	19,378	5,159	5,555	16,545	5,689	20,797	16,024	24,727	69,789
1985.....	97,519	927	4,673	19,260	5,238	5,717	17,356	5,955	22,000	16,394	24,859	72,660
1986.....	99,525	777	4,816	18,965	5,255	5,753	17,930	6,283	23,053	16,693	24,568	74,967
1987.....	102,200	717	4,967	19,024	5,372	5,844	18,463	6,547	24,236	17,010	24,708	77,492
1988.....	105,584	721	5,125	18,403	5,546	6,029	19,110	6,676	25,600	17,372	25,249	80,335
PERCENT DISTRIBUTION												
1960.....	100.0	1.3	5.4	31.0	7.4	6.8	15.2	4.9	13.6	15.4	37.7	62.3
1965.....	100.0	1.0	5.3	29.7	6.7	5.7	15.2	4.9	14.9	16.6	36.1	63.9
1970.....	100.0	.9	5.1	27.3	6.4	5.6	15.6	5.1	16.3	17.7	33.3	66.7
1975.....	100.0	1.0	4.6	23.8	5.9	5.7	16.4	5.4	18.0	19.1	29.4	70.6
1980.....	100.0	1.1	4.8	22.4	5.7	5.8	16.6	5.7	19.8	18.0	28.4	71.6
1982.....	100.0	1.3	4.4	21.0	5.7	5.9	16.9	6.0	21.3	17.7	26.6	73.4
1983.....	100.0	1.1	4.4	20.4	5.5	5.8	17.3	6.1	21.8	17.6	25.9	74.1
1984.....	100.0	1.0	4.6	20.5	5.5	5.9	17.5	6.0	22.0	17.0	26.2	73.8
1985.....	100.0	1.0	4.8	19.1	5.4	5.9	17.8	6.1	22.6	16.8	25.5	74.5
1986.....	100.0	.9	4.8	19.1	5.3	5.8	18.0	6.3	23.2	16.8	24.7	75.3
1987.....	100.0	.7	4.9	18.6	5.3	5.7	18.1	6.4	23.7	16.6	24.2	75.8
1988.....	100.0	.7	4.9	18.4	5.3	5.7	18.1	6.3	24.2	16.5	23.9	76.1
AVERAGE WEEKLY HOURS²												
1960.....	38.6	40.4	36.7	39.7	(NA)	40.5	38.0	37.2	(NA)	(NA)	(NA)	(NA)
1965.....	36.8	42.3	37.4	41.2	41.3	40.8	36.6	37.2	35.8	(NA)	(NA)	(NA)
1970.....	37.1	42.7	37.3	39.6	40.5	39.9	33.8	36.7	34.4	(NA)	(NA)	(NA)
1975.....	36.1	41.9	36.4	38.5	39.7	38.7	32.4	36.5	33.5	(NA)	(NA)	(NA)
1980.....	35.3	43.3	37.0	39.7	39.6	38.5	30.2	36.2	32.6	(NA)	(NA)	(NA)
1982.....	34.8	42.7	36.7	38.9	39.0	38.3	29.9	36.2	32.6	(NA)	(NA)	(NA)
1983.....	35.0	42.5	37.1	40.1	39.0	38.5	29.8	36.2	32.7	(NA)	(NA)	(NA)
1984.....	35.2	43.3	37.8	40.7	39.4	38.5	29.8	36.5	32.6	(NA)	(NA)	(NA)
1985.....	34.9	43.4	37.7	40.5	39.5	38.4	29.4	36.4	32.5	(NA)	(NA)	(NA)
1986.....	34.8	42.2	37.4	40.7	39.2	38.3	29.2	36.4	32.5	(NA)	(NA)	(NA)
1987.....	34.8	42.4	37.8	41.0	39.2	38.1	29.2	36.3	32.5	(NA)	(NA)	(NA)
1988.....	34.7	42.3	37.9	41.1	39.3	38.1	29.1	35.9	32.6	(NA)	(NA)	(NA)
AVERAGE HOURLY EARNINGS												
1960.....	\$2.09	\$2.60	\$3.07	\$2.26	(NA)	\$2.24	\$1.52	\$2.02	(NA)	(NA)	(NA)	(NA)
1965.....	2.46	2.92	3.70	2.81	\$3.03	2.61	1.82	2.39	\$2.05	(NA)	(NA)	(NA)
1970.....	3.23	3.85	5.24	3.35	3.85	3.44	2.44	3.07	2.81	(NA)	(NA)	(NA)
1975.....	4.53	5.95	7.31	4.83	5.88	4.73	3.36	4.06	4.02	(NA)	(NA)	(NA)
1980.....	6.66	8.17	9.94	7.27	8.87	6.96	4.88	5.79	5.85	(NA)	(NA)	(NA)
1982.....	7.68	10.77	11.63	8.49	10.32	8.09	5.48	6.78	6.92	(NA)	(NA)	(NA)
1983.....	8.02	11.26	11.94	8.83	10.79	8.55	5.74	7.29	7.31	(NA)	(NA)	(NA)
1984.....	9.32	11.63	12.19	9.19	11.12	8.89	5.65	7.63	7.59	(NA)	(NA)	(NA)
1985.....	8.32	11.98	12.32	9.54	11.40	9.16	5.94	7.94	7.90	(NA)	(NA)	(NA)
1986.....	8.76	12.46	12.46	9.73	11.70	9.35	6.03	8.36	8.18	(NA)	(NA)	(NA)
1987.....	8.98	12.54	12.71	9.91	12.03	9.60	6.12	8.73	8.49	(NA)	(NA)	(NA)
1988.....	9.29	12.75	13.01	10.18	12.32	9.94	6.31	9.09	8.91	(NA)	(NA)	(NA)
AVERAGE WEEKLY EARNINGS²												
1960.....	\$81	\$105	\$113	\$90	(NA)	\$91	\$58	\$75	(NA)	(NA)	(NA)	(NA)
1965.....	95	124	139	106	\$125	106	67	89	\$74	(NA)	(NA)	(NA)
1970.....	120	164	195	133	156	137	82	113	97	(NA)	(NA)	(NA)
1975.....	164	249	266	191	233	183	109	148	135	(NA)	(NA)	(NA)
1980.....	235	397	368	289	351	268	147	210	191	(NA)	(NA)	(NA)
1982.....	267	460	427	330	402	310	164	245	226	(NA)	(NA)	(NA)
1983.....	281	279	443	354	421	329	171	264	239	(NA)	(NA)	(NA)
1984.....	293	504	459	374	438	342	174	279	247	(NA)	(NA)	(NA)
1985.....	299	520	464	386	450	352	175	289	257	(NA)	(NA)	(NA)
1986.....	305	526	487	398	459	358	176	304	266	(NA)	(NA)	(NA)
1987.....	313	532	480	406	472	366	179	317	276	(NA)	(NA)	(NA)
1988.....	322	539	493	418	484	379	184	326	290	(NA)	(NA)	(NA)

NA Not available. ¹ Mining, construction, and manufacturing. ² See headline, table 668.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 661. EMPLOYEES IN NONAGRICULTURAL ESTABLISHMENTS—STATES: 1980 TO 1988

[In thousands. For coverage, see headnote, table 660. National totals differ from the sum of the State figures because of differing benchmarks among States and differing industrial and geographic stratification. Based on 1972 *Standard Industrial Classification Manual*, see text, section 13]

DIVISION AND STATE	1980	1985	1986	1987	1988							
					Total ¹	Con- struction	Manu- facturing	Trans- portation and public utilities	Wholesale and retail trade	Fi- nance, insur- ance, and real estate	Ser- vices	Gov- ernment
U.S.	90,406	97,519	99,525	102,200	105,584	5,125	19,403	5,548	25,138	6,676	25,600	17,372
N. Eng.	5,481	6,067	6,233	6,418	6,552	332	1,349	272	1,539	476	1,708	871
ME.....	418	458	477	501	521	34	108	21	127	25	114	91
NH.....	385	466	490	513	528	37	119	18	136	32	118	69
VT.....	200	225	234	246	253	17	50	10	80	13	62	41
MA.....	2,652	2,926	2,985	3,062	3,120	143	586	134	733	225	891	405
RI.....	398	429	443	452	456	21	114	16	104	27	116	59
CT.....	1,427	1,562	1,604	1,645	1,674	80	373	73	380	154	406	207
Mid. Atl.	15,021	15,895	16,185	16,550	16,867	744	2,930	906	3,747	1,326	4,496	2,680
NY.....	7,207	7,751	7,904	8,054	8,184	340	1,208	410	1,722	798	2,266	1,435
NJ.....	3,060	3,414	3,490	3,582	3,648	173	666	243	874	236	902	552
PA.....	4,753	4,730	4,791	4,915	5,034	231	1,056	252	1,151	293	1,328	694
E. No. Cent.	16,728	16,841	17,165	17,641	18,106	703	4,205	889	4,349	1,039	4,121	2,738
OH.....	4,367	4,373	4,471	4,583	4,683	184	1,103	212	1,131	250	1,088	697
IN.....	2,130	2,169	2,222	2,305	2,398	110	633	124	571	119	476	357
IL.....	4,850	4,755	4,791	4,928	5,078	205	972	301	1,253	369	1,225	733
MI.....	3,443	3,562	3,657	3,736	3,798	133	947	155	868	165	853	625
WI.....	1,938	1,983	2,024	2,090	2,149	72	551	97	506	115	480	326
W. No. Cent.	6,905	7,153	7,248	7,447	7,656	297	1,373	443	1,927	454	1,776	1,352
MN.....	1,770	1,865	1,893	1,958	2,022	79	394	102	508	119	492	322
IA.....	1,110	1,074	1,074	1,109	1,156	38	227	54	295	66	261	212
MO.....	1,970	2,095	2,143	2,198	2,237	95	429	147	551	136	524	350
ND.....	245	252	250	253	256	10	16	17	68	12	64	65
SD.....	238	249	252	257	264	9	31	14	69	15	65	59
NE.....	628	651	653	667	688	25	95	45	178	48	159	138
KS.....	945	968	965	1,005	1,033	42	181	64	259	58	212	206
So. Atl.	14,895	16,789	17,404	18,169	18,861	1,169	3,175	969	4,574	1,090	4,427	3,381
DE.....	259	293	303	321	330	22	70	14	73	29	76	47
MD.....	1,712	1,888	1,952	2,028	2,092	160	533	96	533	130	563	399
DC.....	616	629	640	656	673	13	16	25	65	35	243	276
VA.....	2,157	2,455	2,558	2,680	2,781	195	427	146	634	150	669	544
WV.....	646	597	598	599	611	25	87	37	143	24	131	130
NC.....	2,380	2,651	2,744	2,863	2,968	165	867	147	678	130	522	454
SC.....	1,189	1,296	1,338	1,392	1,448	92	384	62	326	65	256	262
GA.....	2,159	2,570	2,672	2,782	2,879	149	574	182	738	161	571	495
FL.....	3,576	4,410	4,599	4,848	5,080	349	541	260	1,385	365	1,397	774
E. So. Cent.	5,143	5,384	5,515	5,712	5,881	270	1,400	305	1,346	272	1,152	1,074
KY.....	1,210	1,250	1,274	1,328	1,370	63	274	73	328	59	282	244
TN.....	1,747	1,868	1,930	2,012	2,066	94	508	109	488	104	430	326
AL.....	1,356	1,427	1,463	1,508	1,550	77	379	79	340	70	284	309
MS.....	829	839	848	864	885	36	239	44	191	39	145	196
W. So. Cent.	9,310	10,217	10,021	9,946	10,141	480	1,520	611	2,479	619	2,257	1,885
AR.....	742	797	814	837	860	33	228	52	194	36	162	149
LA.....	1,579	1,581	1,519	1,484	1,502	84	170	107	360	83	327	314
OK.....	1,138	1,165	1,124	1,109	1,133	34	163	62	274	59	248	248
TX.....	5,851	6,663	6,564	6,517	6,647	328	959	390	1,652	439	1,520	1,174
MT.	4,502	5,110	5,174	5,256	5,385	278	631	313	1,296	313	1,406	1,054
MT.....	280	279	275	274	279	9	21	19	73	13	67	71
ID.....	330	336	328	333	349	15	58	19	87	19	72	76
WY.....	210	207	196	183	183	10	9	14	41	7	33	50
CO.....	1,251	1,419	1,408	1,413	1,426	59	189	91	351	95	353	266
NM.....	465	520	526	529	540	30	40	29	130	27	128	141
AZ.....	1,014	1,279	1,338	1,366	1,411	94	190	73	348	93	361	240
UT.....	551	624	634	640	660	25	99	40	156	33	156	143
NV.....	400	446	468	500	538	36	25	29	109	25	235	67
Pac.	13,076	14,376	14,746	15,300	15,852	774	2,738	804	3,805	1,042	3,955	2,678
WA.....	1,608	1,710	1,770	1,852	1,936	96	338	102	475	110	444	367
OR.....	1,045	1,030	1,059	1,100	1,152	39	214	61	291	74	261	212
CA.....	9,849	10,979	11,258	11,679	12,075	607	2,148	586	2,869	813	3,075	1,935
AK.....	169	231	221	210	212	9	15	17	42	11	43	67
HI.....	405	426	439	460	477	23	22	38	128	35	132	99

¹ Includes mining, not shown separately.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly. Compiled from data supplied by cooperating State agencies.

NO. 662. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS: 1980 TO 1988

[Annual averages of monthly figures. Covers all full- and part-time employees who worked during, or received pay for, any part of the pay period including the 12th of the month. For mining and manufacturing, data refer to production and related workers; for construction, to employees engaged in actual construction work; and for other industries, to nonsupervisory employees and working supervisors. See also headline, table 660. See *Historical Statistics, Colonial Times to 1970*, series D 127-151, D 802-810, and D 877-892, for related data.]

SIC ¹ code	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1988	1980	1985	1988	1980	1985	1988
(x)	Total	90,406	97,519	105,584	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(x)	Private sector ²	74,166	81,125	88,212	60,331	65,586	71,413	6.66	8.57	9.29
(B)	Mining	1,027	927	721	762	658	519	9.17	11.98	12.75
10	Metal mining.....	98	46	51	74	34	40	10.26	13.38	13.27
11, 12	Coal mining.....	246	187	151	204	153	123	10.86	15.24	15.94
13	Oil and gas extraction.....	560	583	406	389	387	269	8.59	11.06	11.82
14	Nonmetallic minerals, except fuels.....	123	110	113	96	84	86	7.52	10.18	10.95
(C)	Construction	4,348	4,873	5,125	3,421	3,659	4,002	9.94	12.32	13.01
15	General building contractors.....	1,173	1,253	1,368	900	935	1,001	9.22	11.23	12.19
16	Heavy construction contractors.....	927	793	769	748	652	643	9.20	12.08	12.42
17	Special trade contractors.....	2,246	2,828	2,988	1,776	2,072	2,358	10.65	12.90	13.55
(D)	Manufacturing	20,285	19,260	19,403	14,214	13,092	13,254	7.27	9.54	10.18
(X)	Durable goods	12,187	11,490	11,437	8,442	7,644	7,635	7.75	10.10	10.71
24	Lumber and wood products, except furniture ³	691	697	765	578	584	637	6.55	8.22	8.61
241	Logging camps and logging contractors.....	88	84	90	71	67	75	8.64	10.92	10.84
242	Sawmills and planing mills.....	215	195	207	190	172	182	6.70	8.52	8.76
243	Millwork, plywood, and structural members.....	200	228	269	164	190	221	6.41	8.06	8.60
244	Wood containers.....	43	41	43	37	35	37	4.95	5.81	6.37
2451	Mobile homes.....	46	51	46	36	41	37	6.08	7.34	8.17
25	Furniture and fixtures ⁴	466	494	530	376	394	423	5.49	7.17	7.94
251	Household furniture.....	301	295	310	253	247	262	5.12	6.56	7.31
252	Office furniture.....	50	66	71	40	50	53	5.91	8.06	8.96
254	Partitions and fixtures.....	63	69	79	47	51	57	6.68	8.89	9.43
32	Stone, clay, and glass products ⁵	662	588	600	513	451	466	7.50	9.84	10.47
321	Flat glass.....	18	16	16	14	12	12	9.65	13.79	15.03
322	Glass and glassware, pressed ⁶	124	91	86	105	77	74	7.97	10.78	11.69
324	Cement, hydraulic.....	31	23	20	25	18	15	10.55	13.27	13.33
325	Structural clay products.....	46	38	39	34	29	30	6.14	8.01	8.89
326	Pottery and related products.....	46	37	38	38	29	30	6.26	8.67	9.25
327	Concrete, gypsum, and plaster products.....	204	206	215	157	160	166	7.45	9.60	10.22
33	Primary metal industries ⁴	1,142	808	774	878	612	592	9.77	11.67	12.15
331	Blast furnaces and basic steel products.....	512	303	277	396	232	215	11.39	13.33	13.97
332	Iron and steel foundries.....	209	141	138	167	112	111	8.20	10.51	10.96
333	Primary nonferrous metals.....	71	45	44	53	33	33	10.63	13.74	13.29
335	Nonferrous rolling and drawing.....	211	188	180	151	133	130	8.81	11.05	11.63
336	Nonferrous foundries.....	90	87	88	72	70	71	7.30	9.32	9.61
34	Fabricated metal products ⁴	1,613	1,465	1,431	1,195	1,084	1,067	7.45	9.70	10.26
341	Metal cans and shipping containers.....	75	58	53	63	50	45	9.84	13.10	13.49
342	Cutlery, hand tools, and hardware.....	164	142	140	125	105	103	7.02	8.71	10.14
343	Plumbing and heating, exc. electric.....	70	63	60	50	45	44	6.62	8.67	9.34
344	Fabricated structural metal products.....	513	443	429	355	309	307	7.26	9.00	9.61
345	Screw machine products, bolts, etc.....	109	96	100	84	74	76	6.96	9.11	10.05
346	Metal forgings and stampings.....	264	249	229	207	200	183	8.56	11.82	12.30
35	Machinery, except electrical ⁴	2,494	2,174	2,082	1,602	1,307	1,252	8.00	10.29	11.01
351	Engines and turbines.....	135	105	94	87	66	62	9.73	13.02	13.69
352	Farm and garden machinery.....	169	98	104	116	66	74	8.78	9.93	10.19
353	Construction and related machinery.....	389	253	227	255	156	139	8.60	10.91	11.08
354	Metalworking machinery.....	373	310	314	273	222	225	8.18	10.59	11.15
355	Special industry machinery.....	207	168	171	133	100	102	7.51	10.18	11.08
356	General industrial machinery.....	323	268	249	212	171	161	7.98	10.06	10.61
357	Office and computing machines.....	452	514	474	186	189	156	6.74	9.32	10.71
358	Refrigeration and service machinery.....	174	172	185	120	120	133	7.23	10.09	10.60
36	Electric and electronic equipment ⁴	2,091	2,197	2,070	1,328	1,300	1,224	6.94	8.46	10.13
361	Electric distributing equipment.....	123	113	107	86	81	76	6.96	8.93	9.39
362	Electrical industrial apparatus.....	240	196	184	169	138	128	7.19	8.52	10.02
363	Household appliances.....	163	156	151	129	106	112	6.95	9.23	10.09
364	Electric lighting and wiring equipment.....	209	198	198	156	144	144	6.42	8.67	9.52
365	Radio and TV receiving equipment.....	109	84	85	79	57	59	6.42	9.33	9.45
366	Communication equipment.....	541	653	567	267	291	237	7.93	11.25	12.10
367	Electronic components and access.....	554	663	635	334	375	358	6.05	8.30	9.20
37	Transportation equipment ⁴	1,900	1,980	2,051	1,233	1,257	1,281	9.35	12.71	13.31
371	Motor vehicles and equipment.....	884	894	857	575	685	667	9.85	13.39	14.00
372	Aircraft and parts.....	662	636	695	355	304	339	9.28	12.62	13.62
373	Ship and boat building and repairs.....	221	187	193	176	140	145	8.22	10.51	10.29
374	Railroad equipment.....	71	33	32	53	23	24	9.93	12.53	12.17

See footnotes at end of table.

Nonagricultural Employment

403

No. 662. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS: 1980 TO 1988—Continued

[See headnote, p. 402]

SIC ¹ code	INDUSTRY	ALL EMPLOYEES, TOTAL (1,000)			PRODUCTION WORKERS					
					Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1988	1980	1985	1988	1980	1985	1988
38	Instruments and related products.....	711	720	749	426	391	412	6.80	9.17	9.98
381	Engineering and scientific instruments....	77	84	95	37	37	43	7.12	9.82	11.15
382	Measuring and controlling devices.....	245	254	260	154	141	149	6.85	8.94	9.72
383	Optical instruments and lenses.....	33	34	30	18	17	15	7.32	10.17	10.79
384	Medical instruments and supplies.....	156	174	201	101	104	122	5.80	8.15	8.85
385	Ophthalmic goods.....	44	40	39	31	26	27	5.30	6.94	7.55
386	Photographic equipment and supplies....	135	123	112	67	57	49	8.83	12.05	13.60
387	Watches, clocks, and watchcases.....	22	12	12	17	9	9	5.24	6.87	7.30
39	Misc. manufacturing industries ⁴	418	367	386	313	264	281	5.46	7.30	8.01
391	Jewelry, silverware, plated ware.....	56	55	54	40	37	38	5.76	7.78	8.61
394	Toys and sporting goods.....	117	95	104	88	70	77	5.01	6.65	7.78
395	Pens, pencils, office and art supplies....	37	33	34	27	22	24	5.58	7.70	7.85
396	Costume jewelry and notions.....	51	41	41	41	31	31	4.71	5.91	6.72
(x)	Nondurable goods.....	8,088	7,770	7,967	5,772	5,449	5,619	6.55	8.71	9.43
20	Food and kindred products ⁴	1,708	1,603	1,636	1,175	1,118	1,163	6.85	8.57	9.10
201	Meat products.....	358	362	402	298	305	340	6.99	7.23	7.59
202	Dairy products.....	175	163	159	96	96	96	6.86	9.17	9.84
203	Preserved fruits and vegetables.....	256	236	249	210	194	204	5.94	7.81	8.40
204	Grain mill products.....	144	125	125	99	85	87	7.67	10.38	11.18
205	Bakery products.....	225	210	203	131	126	124	7.21	9.69	10.25
206	Sugar and confectionery products.....	106	96	98	79	75	77	6.57	8.63	9.46
207	Fats and oils.....	44	35	32	32	26	24	7.03	8.80	9.40
208	Beverages.....	234	214	202	105	92	87	8.12	11.38	12.22
21	Tobacco manufactures.....	69	64	56	54	48	42	7.74	11.96	14.68
211	Cigarettes.....	46	44	41	35	32	31	9.23	14.71	17.48
22	Textile mill products ⁴	948	702	729	737	607	632	5.07	6.70	7.37
221	Weaving mills, cotton.....	150	106	100	135	95	91	5.25	7.01	7.68
222	Weaving mills, synthetic.....	116	90	89	104	80	79	5.30	7.15	7.95
223	Weaving and finishing mills, wool.....	19	17	19	16	15	15	5.21	7.07	7.89
224	Narrow fabric mills.....	23	22	24	20	19	21	4.63	6.39	6.82
225	Knitting mills.....	220	198	211	191	172	187	4.76	6.15	6.67
226	Textile finishing, except wool.....	74	59	61	62	49	50	5.39	7.12	7.79
227	Floor covering mills.....	54	54	60	44	44	49	5.20	6.92	7.70
228	Yarn and thread mills.....	125	101	108	113	90	97	4.76	6.26	7.07
23	Apparel and other textile products ⁴	1,264	1,121	1,092	1,079	945	919	4.56	5.73	6.12
231	Men's and boys' suits and coats.....	77	63	58	67	55	50	5.34	6.65	6.85
232	Men's and boys' furnishings.....	362	312	301	310	270	260	4.23	5.27	5.60
233	Women's and misses outerwear.....	417	362	343	360	302	286	4.61	5.56	5.88
234	Undergarments ⁶	90	77	71	76	65	59	4.15	5.29	5.69
236	Children's outerwear.....	64	61	59	55	51	49	4.20	5.07	5.47
238	Misc. apparel, accessories.....	56	44	43	48	36	35	4.48	5.50	5.96
26	Paper and allied products.....	693	678	693	523	512	524	7.84	10.83	11.65
261, 2, 6	Paper and pulp mills.....	203	197	194	152	149	148	9.15	13.14	14.31
263	Paperboard mills.....	65	55	53	51	42	40	9.28	13.60	14.49
264	Misc. converted paper products.....	220	229	239	163	168	175	6.89	9.33	10.10
265	Paperboard containers and boxes.....	205	197	207	157	152	161	6.94	9.24	9.99
27	Printing and publishing ⁴	1,252	1,428	1,561	699	789	874	7.53	9.71	10.52
271	Newspapers.....	420	451	475	164	169	171	7.72	9.77	10.49
272	Periodicals.....	90	113	130	16	29	47	7.16	10.20	10.99
273	Books.....	101	107	116	52	54	62	6.76	8.70	9.48
275	Commercial printing.....	414	493	554	307	359	404	7.85	10.05	10.78
278	Blankbooks and bookbinding.....	62	70	77	51	57	61	5.78	7.63	8.39
28	Chemicals and allied products ⁴	1,107	1,044	1,065	626	578	596	8.30	11.56	12.67
281	Industrial inorganic chemicals.....	161	142	133	87	72	67	9.07	12.80	13.87
282	Plastics materials and synthetics.....	205	172	178	137	114	116	8.21	11.71	13.04
283	Drugs.....	196	206	231	97	95	102	7.69	10.75	12.07
284	Soap, cleaners, and toilet goods.....	141	148	160	86	94	103	7.67	10.28	11.05
285	Paints and allied products.....	65	64	64	33	31	31	7.39	10.08	11.24
287	Agricultural chemicals.....	72	59	52	45	37	33	8.12	11.03	12.34
29	Petroleum and coal products ⁴	198	179	162	125	109	105	10.10	14.06	14.98
291	Petroleum refining.....	155	141	122	93	82	78	10.94	15.25	16.20
295	Paving and roofing materials.....	31	26	27	24	20	21	7.69	10.56	11.57
30	Rubber and misc. plastic products.....	727	786	829	559	607	646	6.52	8.54	9.14
301	Tires and inner tubes.....	115	94	84	81	65	61	9.74	13.21	14.37
31	Leather and leather products ⁴	233	165	144	187	137	119	4.58	5.83	6.27
311	Leather tanning and finishing.....	19	15	14	16	12	11	6.10	7.62	8.43
314	Footwear except rubber.....	144	99	84	123	84	71	4.42	5.53	5.98
317	Handbags, personal leather goods.....	30	21	17	25	17	13	4.33	5.61	5.92

See footnotes at end of table.

No. 662. NONAGRICULTURAL INDUSTRIES—NUMBER OF EMPLOYEES, AND NUMBER AND EARNINGS OF PRODUCTION WORKERS: 1980 TO 1988—Continued

[See headnote, p. 402]

SIC 1 code	INDUSTRY	ALL EMPLOYEES, TOTAL			PRODUCTION WORKERS					
		(1,000)			Total (1,000)			Average hourly earnings (dollars)		
		1980	1985	1988	1980	1985	1988	1980	1985	1988
(E)	Transp. and public utilities ¹	5,146	5,238	5,548	4,293	4,339	4,610	8.87	11.40	12.32
4010	Railroad transportation.....	532	359	299	(²)	(²)	(²)	(²)	(²)	(²)
41	Class I railroads ³	482	323	259	(²)	(²)	(²)	⁴ 9.92	⁵ 13.64	⁶ 15.00
41	Local and interurban passenger transit.....	265	278	313	244	257	287	6.34	7.88	8.49
42	Trucking and warehousing.....	1,280	1,363	1,569	1,121	1,187	1,367	9.13	10.52	10.98
45	Air transportation.....	453	552	644	(²)	(²)	(²)	(²)	(²)	(²)
46	Pipelines, except natural gas.....	21	19	19	15	13	13	10.50	15.26	15.75
47	Transportation services.....	198	276	316	(²)	(²)	(²)	(²)	(²)	(²)
48	Communication ¹	1,357	1,320	1,281	1,014	1,006	968	8.50	11.75	12.76
481	Telephone communication.....	1,072	921	898	779	687	660	8.72	12.45	13.45
483	Radio and television broadcasting.....	200	238	239	160	194	197	7.44	10.26	11.45
49	Electric, gas, and sanitary services ⁴	827	915	933	677	729	738	8.90	12.83	14.26
491	Electric services.....	391	448	453	316	349	346	9.12	12.94	14.38
492	Gas production and distribution.....	168	175	165	138	137	130	8.27	11.76	13.32
493	Combination utility services.....	197	203	195	162	166	160	9.64	14.93	16.87
495	Sanitary services.....	49	64	92	43	56	79	7.04	9.47	10.95
(F)	Wholesale trade.....	5,275	5,717	6,028	4,312	4,598	4,854	6.96	9.16	9.94
(G)	Retail trade ¹	15,035	17,356	19,110	13,500	15,457	16,936	4.88	5.94	6.31
53	General merchandise stores.....	2,245	2,324	2,461	2,090	2,174	2,281	4.77	5.82	6.54
54	Food stores.....	2,984	2,775	3,098	2,202	2,567	2,851	6.24	7.35	7.00
56	Apparel and accessory stores.....	957	1,041	1,168	820	875	989	4.30	5.25	5.77
57	Furniture and home furnishings stores.....	606	735	802	502	608	658	5.53	7.13	7.84
58	Eating and drinking places.....	4,626	5,709	6,282	4,256	5,194	5,718	3.69	4.33	4.57
(H)	Finance, insurance, real estate.....	5,160	5,955	6,676	3,907	4,415	4,849	5.79	7.94	9.09
60	Banking.....	1,571	1,706	1,798	1,210	1,251	1,241	4.94	6.84	7.86
61	Credit agencies other than banks.....	57	750	898	431	570	658	5.12	7.21	8.26
62	Securities, commodities brokers, services.....	227	355	449	(²)	(²)	(²)	(²)	(²)	(²)
63	Insurance carriers.....	1,224	1,292	1,442	854	883	966	6.29	8.61	10.16
64	Insurance agents, brokers, services.....	452	542	640	(²)	(²)	(²)	(²)	(²)	(²)
65	Real estate.....	981	1,132	1,295	(²)	(²)	(²)	(²)	(²)	(²)
66, 67	Other finance, insurance, real estate.....	135	180	216	(²)	(²)	(²)	(²)	(²)	(²)
(I)	Services ¹	17,890	22,000	25,600	15,921	19,368	22,389	5.85	7.90	8.91
70	Hotels and other lodging places.....	1,076	1,336	1,550	(²)	(²)	(²)	(²)	(²)	(²)
701	Hotels, motels, and tourist courts.....	1,038	1,290	1,504	954	1,158	1,341	4.45	5.83	6.41
72	Personal services ¹	301	1,056	1,175	(²)	(²)	(²)	(²)	(²)	(²)
721	Laundry, cleaning, garment services.....	356	379	411	318	338	366	4.47	5.79	6.34
723	Beauty shops.....	284	334	364	264	302	325	4.26	6.09	6.74
73	Business services ⁴	3,092	4,457	5,571	2,698	3,863	4,777	6.02	8.19	9.12
731	Advertising.....	153	196	237	116	145	176	8.07	10.74	12.38
736	Personnel supply services ⁴	563	916	1,369	(²)	(²)	(²)	(²)	(²)	(²)
7361	Employment agencies.....	(²)	160	222	(²)	(²)	(²)	(²)	(²)	(²)
7362	Temporary help supply services.....	(²)	708	1,043	(²)	(²)	(²)	(²)	(²)	(²)
737	Computer, data process, services ⁴	304	542	678	254	447	528	7.16	10.98	13.11
7372	Computer programming and software.....	(²)	195	308	(²)	(²)	(²)	(²)	(²)	(²)
7374	Data processing services.....	(²)	258	256	(²)	(²)	(²)	(²)	(²)	(²)
75	Auto repair, services, garages.....	571	731	837	488	614	694	6.10	7.41	8.13
753	Automobile repair shops.....	350	446	486	297	372	401	6.52	7.99	8.87
78	Motion pictures.....	217	225	241	191	190	202	7.88	12.12	11.61
783	Motion picture theaters.....	124	108	108	(²)	(²)	(²)	(²)	(²)	(²)
79	Amusement, recreation services.....	764	840	918	692	740	788	5.52	6.94	7.41
80	Health services ¹	5,278	6,299	7,144	4,712	5,607	6,349	5.88	8.06	9.23
805	Nursing, personal care facilities.....	997	1,199	1,319	898	1,085	1,191	4.17	5.61	6.35
806	Hospitals.....	2,750	2,997	3,300	2,522	2,732	3,015	6.06	9.00	10.51
808	Outpatient care facilities.....	¹⁰ 160	216	266	(²)	(²)	(²)	(²)	(²)	(²)
81	Legal services.....	498	694	852	427	589	712	7.35	10.52	12.71
82	Educational services.....	1,138	1,362	1,557	(²)	(²)	(²)	(²)	(²)	(²)
83	Social services.....	1,134	1,354	1,611	(²)	(²)	(²)	(²)	(²)	(²)
86	Membership organizations.....	1,539	1,520	1,731	(²)	(²)	(²)	(²)	(²)	(²)
(J)	Government.....	16,241	16,394	17,372	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	Federal government.....	2,866	2,875	2,971	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	State government.....	3,610	3,832	4,063	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
(X)	Local government.....	9,765	9,687	10,339	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

NA Not available. X Not applicable. ¹ Standard Industrial Classification, see text, section 13. ² Excludes government. ³ 11-month average. ⁴ Includes industries not shown separately. ⁵ Includes blown. ⁶ Women's and children's. ⁷ Included in totals; not available separately. ⁸ For changes in "Class I" classification, see text, section 21. ⁹ Includes all employees except executives, officials, and staff assistants who received pay during the month. ¹⁰ 1982 data.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 663. INDEXES OF OUTPUT PER HOUR FOR ALL EMPLOYEES—SELECTED INDUSTRIES:
1975 TO 1987

[See text, section 13. Minus sign (—) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series W 14, 17, and 19, W 30-54, and W 62-65]

SIC ¹ code	INDUSTRY	INDEXES (1977 = 100)								AVERAGE ANNUAL PERCENT CHANGE ²		
		1975	1980	1982	1983	1984	1985	1986	1987, prel.	1975-1987	1982-1987	
(B)	Mining:											
1011	Iron (usable ore).....	117.8	123.2	98.2	138.6	171.7	187.9	197.8	262.0	6.3	18.9	
1021	Copper (recoverable metal).....	77.2	91.6	116.2	130.9	155.4	193.1	228.9	209.8	8.8	14.9	
111, 12	Coal.....	105.3	112.5	119.2	136.1	151.3	154.0	167.3	179.7	5.1	8.0	
14	Nonmetallic minerals ³	90.6	96.5	89.3	98.2	105.5	108.2	107.9	107.9	1.0	3.7	
(D)	Manufacturing:											
2011, 2013	Red meat products.....	84.4	107.0	112.3	115.9	117.0	119.5	117.3	114.0	2.5	.4	
2026	Fluid milk.....	95.5	123.9	135.3	142.4	147.7	152.3	157.0	164.2	4.9	3.8	
203	Preserved fruits, vegetables.....	93.7	100.8	107.9	110.4	112.4	111.7	118.3	(NA)	+1.7	+2.0	
204	Grain mill products.....	87.1	105.3	121.0	125.5	132.8	144.9	146.6	(NA)	+4.9	+5.4	
205	Bakery products.....	93.4	93.7	103.3	106.9	106.8	108.5	114.4	(NA)	+1.7	+2.2	
2086	Bottled, canned soft drinks.....	89.5	106.9	114.1	121.5	131.0	136.7	146.6	157.3	4.4	6.5	
2111, 21, 31	Tobacco products.....	93.9	102.1	100.7	105.1	110.3	113.4	117.2	119.2	1.7	3.5	
2211, 21	Cotton, synthetic broad woven fabric.....	86.7	104.9	112.5	121.8	119.9	123.7	132.9	139.7	3.8	3.4	
2251, 52	Hosiery.....	94.3	107.4	114.2	118.0	119.9	118.5	121.0	121.2	2.0	1.0	
2281	Nonwool yarn mills.....	91.2	99.7	118.2	128.5	129.6	134.5	141.1	142.8	3.7	3.7	
2421	Sawmills, planing mills.....	98.2	104.2	115.1	126.8	132.3	139.2	155.1	151.6	4.0	6.0	
2431	Millwork.....	100.2	93.6	86.1	100.0	99.7	85.7	90.1	(NA)	+1.3	+1.7	
2435, 36	Veneer and plywood.....	97.8	102.8	114.4	121.1	120.0	125.1	126.6	(NA)	+2.8	+2.4	
251	Household furniture.....	97.5	99.9	104.7	110.1	112.1	112.5	118.5	115.9	1.5	2.1	
2611, 21, 31, 61	Paper, paperboard, pulp mills.....	86.7	105.2	111.3	119.5	121.0	123.1	133.5	141.8	3.5	4.6	
2653	Corrugated, solid fiber boxes.....	96.2	111.0	111.9	114.0	118.9	125.6	126.7	128.9	2.4	3.1	
281	Industrial inorganic chemicals.....	86.5	94.3	86.3	94.0	104.5	101.4	105.4	(NA)	+7	+4.9	
2823, 24	Synthetic fibers.....	84.5	115.7	103.6	126.2	125.3	135.8	146.2	155.7	4.5	7.6	
2834	Pharmaceuticals.....	92.5	106.0	107.0	114.3	116.4	118.1	121.8	124.0	2.3	2.7	
2844	Cosmetics.....	94.0	83.6	84.0	86.2	85.2	87.3	94.3	(NA)	+1.0	+2.5	
2851	Paints, allied products.....	94.2	100.8	106.5	110.3	111.5	125.6	125.2	128.5	2.6	3.7	
2869	Industrial organic chemicals, n.e.c.....	85.3	98.9	87.2	103.8	113.9	112.5	119.5	(NA)	+2.0	+7.2	
2911	Petroleum refining.....	88.7	84.2	79.4	81.6	92.5	102.6	113.0	119.6	1.2	9.3	
3011	Tires, inner tubes.....	91.8	102.4	128.2	136.1	146.8	146.7	151.4	167.8	5.0	4.9	
3079	Miscellaneous plastics.....	86.2	95.7	110.1	107.2	110.5	113.0	114.1	(NA)	+2.4	+1.2	
314	Footwear.....	101.3	99.1	106.4	103.9	105.7	107.3	109.5	104.5	.6	.2	
3271, 72	Concrete products.....	91.8	90.4	91.0	97.6	99.2	100.5	105.9	(NA)	+7	+3.4	
331	Steel.....	93.3	102.9	90.9	116.8	131.3	139.5	141.8	151.7	3.7	9.6	
3321	Gray iron foundries.....	97.0	90.8	93.7	98.3	106.8	104.2	107.4	104.8	.8	2.3	
3353, 54, 55	Aluminum rolling, drawing.....	87.5	100.0	99.2	110.4	116.2	115.9	125.0	141.6	2.8	6.3	
3433	Heating equip., except electric.....	80.4	89.7	102.3	93.2	102.0	110.6	105.0	(NA)	+1.6	+1.4	
3441	Fabricated structural metal.....	97.4	102.1	99.5	103.0	107.9	117.7	117.7	(NA)	+1.5	+4.8	
3465, 6, 9	Metal stampings.....	93.2	99.9	96.1	104.7	110.4	104.7	108.7	(NA)	+1.1	+2.1	
3519	Internal combustion engines.....	86.2	94.3	92.0	85.9	93.8	102	108.5	(NA)	+7	+7.6	
352	Farm, garden machinery.....	97.7	93.3	94.9	95.5	105.2	101.5	103.0	(NA)	+2	+2.3	
3531	Construction machinery, equipment.....	93.9	97.4	88.9	88.2	102.6	104.1	107.1	99.3	.3	3.3	
3541, 42	Machine tools.....	103.0	98.8	88.0	83.0	93.6	96.7	98.5	101.9	-.5	3.7	
3561, 63	Pumps and compressors.....	91.4	100.2	95.9	100.2	106.1	106.8	108.7	(NA)	+1.0	+3.2	
3585	Refrigeration, heating equipment.....	89.9	93.8	100.1	100.9	105.5	103.7	101.5	(NA)	+9	+6	
3621	Motors, generators.....	93.0	96.7	102.4	104.3	107.9	110.5	112.3	115.9	1.6	2.5	
3631, 2, 3, 9	Major household appliances.....	93.6	105.8	108.6	117.6	123.6	127.2	134.1	139.2	3.2	4.9	
3651	Radio and TV sets.....	90.1	116.9	163.9	196	236.9	249.8	278.1	300.5	11.3	12.5	
3674	Semiconductors.....	56.0	149.4	197.9	211.5	229.2	206.1	210.5	260.1	11.5	3.6	
371	Motor vehicles, equipment.....	87.7	80.8	96.9	109.6	115.7	121.2	121.7	125.2	2.8	4.8	
3825	Instruments to measure electricity.....	95.9	108.4	119.2	121.6	133.7	130.4	122.2	(NA)	+3.2	+1.2	
(E, G, H, I)	Transportation, utilities, trade:											
401	RR transport (revenue traffic) ⁵	89.5	107.3	115.8	141.9	152.6	162.1	178.6	208.3	6.8	11.1	
Pts of 4111, 31, 414	Bus carriers ⁶	97.0	100.9	98.8	95.4	90.9	87.4	86.8	(NA)	+1.9	+3.4	
4213 pt.	Intercity trucking ⁷	89.2	107.7	108.0	130.7	135.1	130.2	134.5	(NA)	+3.4	+4.4	
4511	Air transportation ⁷	87.6	106.2	114.9	126.8	131.7	136.5	138.2	148.4	3.9	4.4	
4612, 13	Petroleum pipelines.....	95.7	93.0	89.2	94.3	104.5	104.9	107.0	106.6	7	3.7	
4811	Telephone communications.....	85.9	118.1	129.1	145.1	143.0	149.8	161.3	166.1	5.6	4.7	
491, 92, 93	Gas and electric utilities.....	95.7	96.2	89.3	88.1	91.4	90.5	89.1	92.7	-.9	.6	
5251	Hardware stores ⁸	97.8	111.6	109.2	111.4	121.1	124.6	137.4	149.5	3.2	6.6	
5311	Department stores.....	89.7	103.8	112.4	119.5	126.6	129.2	135.3	137.2	3.5	4.1	
5331	Variety stores ⁸	122.9	107.3	112.5	119.7	123.7	114.3	101.2	(NA)	4.4	+2.5	
54	Retail food stores ⁸	98.8	100.3	95.5	95.5	96.1	96.6	94.6	92.8	-.5	-.5	
5511	Franchised new car dealers.....	95.3	99.6	100.4	109.4	110.4	109.7	110.7	105.3	1.2	.8	
5541	Gasoline service stations ⁹	85.3	105.1	111.8	127.5	129.1	134.3	143.9	145.7	4.2	5.4	
56	Apparel, accessory stores ⁸	105.0	117.9	126.4	122.9	147.0	146.5	153.7	146.4	3.7	3.5	
57	Furniture, furnishings, equip. stores ⁸	91.9	107.4	109.2	118.4	129.4	133.5	144.6	145.2	3.9	6.0	
58	Eating, drinking places ⁸	100.8	99.8	96.9	95.3	91.1	87.9	89.7	90.4	-1.2	-1.6	
5912	Drug, proprietary stores ⁸	94.2	107.0	107.9	111.4	108.2	106.5	105.6	105.9	.9	-.7	
592	Liquor stores ⁸	96.3	102.2	108.1	101.6	98.7	107.1	98.0	91.6	-.1	-2.4	
602	Commercial banking.....	90.0	92.7	93.2	101.3	104.3	109.7	111.7	(NA)	+1.3	+4.5	
7011	Hotels, motels, tourist courts ⁸	89.7	95.0	88.8	95.4	102.1	97.5	92.8	88.0	-.3	-.5	
721	Laundry, cleaning services ⁸	98.6	91.3	90.6	90.4	92.3	87.3	85.0	84.0	-1.4	-1.8	
723, 724	Beauty and barber shops.....	98.7	102.9	108.3	114.0	103.9	98.6	97.3	99.2	-.1	-2.7	
753	Automotive repair shops ⁸	102.0	95.9	87.4	86.1	88.3	96.1	93.2	88.2	-1.0	2.6	

NA Not available. ¹ Standard Industrial Classification; see text, section 13. ² For explanation of average annual percent change, see source. ³ Excludes fuel. ⁴ Change from 1975 to 1981 and 1982 to 1986. ⁵ Class 1 line-haul railroads and switching and terminal companies. ⁶ Class 1 interstate carriers regulated by the ICC. ⁷ Refers to output per employee. ⁸ Data relate to all persons (paid employees, unpaid family workers, and the self-employed).

Source: U.S. Bureau of Labor Statistics, Bulletin 2322, *Productivity Measures for Selected Industries and Government Services*, February 1989; and unpublished data.

NO. 664. INDEXES OF PRODUCTIVITY AND RELATED MEASURES: 1960 TO 1988

[See text, section 13. Minus sign (-) indicates decrease. See also *Historical Statistics, Colonial Times to 1970*, series D 689-704 and W 22-25]

ITEM	1960	1970	1975	1980	1983	1984	1985	1986	1987	1988
INDEXES (1977 = 100)										
Output, per hour, business sector	66.1	87.6	95.4	99.4	102.6	105.2	107.3	109.8	111.1	113.1
Nonfarm business	69.5	88.4	95.7	99.0	102.0	104.2	105.6	107.7	108.9	111.2
Manufacturing	60.7	80.2	92.6	101.7	112.2	118.2	123.5	128.2	132.9	137.7
Output, ¹ business sector	55.4	80.3	89.4	106.7	109.9	119.2	124.2	128.0	133.4	140.0
Nonfarm business	54.6	80.0	89.1	106.7	110.1	119.2	123.9	127.6	133.1	140.3
Manufacturing	52.5	78.6	84.9	103.2	104.7	117.5	122.0	124.7	130.1	138.1
Hours, ² business sector	83.8	91.7	93.7	107.3	107.2	113.3	115.7	116.6	120.1	123.8
Nonfarm business	78.5	90.5	93.1	107.8	108.0	114.4	117.4	118.4	122.2	126.2
Manufacturing	86.5	97.9	91.6	101.5	93.4	99.4	98.7	97.3	97.9	100.3
Compensation per hour, ³ business sector	32.9	57.2	84.9	131.8	160.8	167.4	174.8	183.8	191.0	200.4
Nonfarm business	34.5	57.6	85.3	131.6	160.8	167.2	174.0	182.9	189.8	198.9
Manufacturing	35.6	57.0	84.9	132.8	162.7	168.1	176.3	184.3	189.2	197.8
Real hourly compensation, ³ business sector	67.3	89.4	95.6	97.0	97.8	97.8	98.4	101.7	101.9	102.7
Nonfarm business	70.7	90.0	96.1	96.7	97.8	97.5	98.0	101.1	101.2	101.9
Manufacturing	73.0	89.0	95.6	97.7	99.0	98.1	99.3	101.9	100.9	101.3
Unit labor costs, ⁴ business sector	49.7	65.3	89.0	132.6	156.7	159.1	162.8	167.5	171.9	177.2
Nonfarm business	49.7	65.2	89.1	132.9	157.6	160.4	164.9	169.8	174.2	178.8
Manufacturing	58.7	71.0	91.7	130.6	145.1	142.3	142.7	143.8	142.3	143.6
ANNUAL PERCENT CHANGE ⁵										
Output per hour, business sector	1.7	.9	2.1	-.3	2.4	2.6	2.0	2.3	1.2	1.8
Nonfarm business	1.1	.5	1.9	-.4	3.0	2.1	1.3	2.0	1.1	2.1
Manufacturing .....	.6	-.4	2.6	-.5	5.2	5.4	4.5	3.8	3.7	3.6
Output, ¹ business sector	1.8	-.9	2.1	-1.1	4.2	8.4	4.2	3.1	4.2	4.9
Nonfarm business	1.7	-1.1	-2.3	-1.2	5.0	8.3	3.9	3.0	4.4	5.4
Manufacturing	2	-5.6	7.5	-4.5	6.4	12.2	3.8	2.3	4.3	6.1
Hours, ² business sector .....	.1	1.8	-4.1	-.8	1.8	5.7	2.2	.8	3.0	3.1
Nonfarm business .....	.6	-1.5	-4.1	-.7	2.0	6.0	2.6	.9	3.2	3.2
Manufacturing	-.4	-.5	-9.8	-4.6	1.2	6.5	-.7	-1.4	.6	2.4
Compensation per hour, ³ business sector	4.3	7.5	9.9	10.5	3.8	4.1	4.4	5.2	3.9	4.9
Nonfarm business	4.4	7.2	9.8	10.5	4.0	3.9	4.1	5.1	3.7	4.8
Manufacturing	4.2	7.2	11.9	11.7	2.5	3.3	4.9	4.5	2.7	4.6
Real hourly compensation, ³ business sector	2.6	1.7	.7	-2.6	.6	-.2	-.8	3.3	.2	.8
Nonfarm business	2.6	1.4	.6	-2.6	.7	-.4	-.5	3.2	1.1	.7
Manufacturing	2.4	1.4	2.6	-1.6	-.7	-.9	1.2	2.6	-1.0	-.4
Unit labor costs, ⁴ business sector	2.6	6.5	7.7	10.9	1.4	1.5	2.3	2.8	2.6	3.1
Nonfarm business	3.3	6.7	7.8	11.0	1.0	1.8	2.8	3.0	2.6	2.7
Manufacturing	3.6	6.8	9.1	11.7	-2.5	-1.9	3	7	1.0	.9

- Represents zero. ¹Refers to gross domestic product originating in the sector, in 1982 prices. ²Hours of all persons engaged in the business and nonfarm business sectors (employees, proprietors, and unpaid family workers); employees' and proprietors' hours in manufacturing. ³Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Also includes an estimate of same for self-employed. Real compensation deflated by the consumer price index for all urban consumers, see text, section 15. ⁴Hourly compensation divided by output per paid hour. ⁵All changes are from the immediately prior year.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly, and unpublished data.

NO. 665. AVERAGE ANNUAL TOTAL COMPENSATION AND WAGES AND SALARIES PER FULL-TIME EQUIVALENT EMPLOYEE, BY INDUSTRY: 1980 TO 1988

[In dollars, except percent. Wage and salary payments include executives' compensation, bonuses, tips, and payments in kind; total compensation includes, in addition to wages and salaries, employer contributions for social insurance, employer contributions to private pension and welfare funds, directors' fees, jury and witness fees, etc.]

INDUSTRY	ANNUAL TOTAL COMPENSATION					ANNUAL WAGES AND SALARIES				
	1980	1985	1986	1987	1988	1980	1985	1986	1987	1988
Domestic industries	16,815	25,266	26,308	27,402	28,790	15,757	21,079	21,943	22,913	24,051
Annual percent change ¹	8.4	6.1	4.1	4.2	5.1	7.8	6.0	4.1	4.4	5.0
Agriculture, forestry, and fisheries	9,896	12,833	13,219	13,722	13,957	8,596	11,086	11,464	11,877	12,111
Mining	28,181	36,997	40,064	40,974	42,281	23,405	32,035	33,320	33,932	34,916
Construction	22,033	27,581	28,685	29,828	31,990	18,571	22,768	23,589	24,586	25,866
Manufacturing	22,023	29,999	31,321	32,201	33,780	17,954	24,549	25,590	26,356	27,637
Transportation	25,029	30,895	31,546	32,382	33,323	20,850	25,305	25,710	26,377	26,986
Communication	28,341	39,980	41,741	43,733	45,123	22,079	31,381	32,769	34,463	35,506
Electric, gas, and sanitary services	27,358	39,429	41,422	43,240	44,886	21,701	31,669	33,242	34,786	36,059
Wholesale trade	21,598	28,853	30,171	31,428	33,721	18,822	25,013	26,111	27,275	28,282
Retail trade	12,490	15,625	16,280	16,780	17,474	10,953	13,602	14,130	14,586	15,141
Finance, insurance, and real estate	18,968	28,014	31,313	32,298	34,456	15,871	23,724	25,757	27,612	29,487
Services	15,236	21,395	22,393	23,894	25,317	13,460	18,743	19,821	21,013	22,258
Government and government enterprises	19,681	27,821	28,914	30,293	31,935	15,911	22,062	22,942	23,993	25,152

¹ Represents average for period of intervals shown; for 1980, change from 1975. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 666. AVERAGE HOURLY AND WEEKLY EARNINGS IN CURRENT AND CONSTANT (1977) DOLLARS, BY PRIVATE INDUSTRY GROUP: 1970 TO 1988

[Average earnings include overtime. Data are for production and related workers in mining, manufacturing, and construction, and non-supervisory employees in other industries. Excludes agriculture. See headnote, table 660. See also *Historical Statistics, Colonial Times to 1970*, series D 877-892]

PRIVATE INDUSTRY GROUP	CURRENT DOLLARS						CONSTANT (1977) DOLLARS ¹					
	1970	1980	1985	1986	1987	1988	1970	1980	1985	1986	1987	1988
Average hourly earnings	3.23	6.66	8.57	8.76	8.98	9.29	5.04	4.89	4.88	4.92	4.86	4.84
Manufacturing.....	3.35	7.27	9.54	9.73	9.91	10.18	5.23	5.34	5.44	5.46	5.37	5.30
Mining.....	3.85	9.17	11.98	12.46	12.54	12.75	6.01	6.74	6.83	6.99	6.79	6.64
Construction.....	5.24	9.94	12.32	12.48	12.71	13.01	8.17	7.30	7.02	7.00	6.89	6.77
Transportation, public utilities.....	3.85	8.87	11.40	11.70	12.03	12.32	6.01	6.52	6.50	6.57	6.52	6.41
Wholesale trade.....	3.44	6.96	9.16	9.35	9.60	9.94	5.37	5.11	5.22	5.25	5.20	5.17
Retail trade.....	2.44	4.68	5.94	6.03	6.12	6.31	3.61	3.59	3.38	3.38	3.32	3.28
Finance, insurance, real estate.....	3.07	5.79	7.94	8.36	8.73	9.09	4.79	4.25	4.52	4.69	4.73	4.73
Services.....	2.81	5.65	7.90	8.18	8.49	8.91	4.38	4.30	4.50	4.59	4.60	4.64
Average weekly earnings	120	235	299	305	313	322	187	173	170	171	169	168
Manufacturing.....	133	289	386	396	406	418	208	212	220	222	220	218
Mining.....	164	397	520	526	532	539	256	292	296	295	288	281
Construction.....	195	368	464	467	480	493	304	270	265	262	260	257
Transportation, public utilities.....	156	351	450	459	472	484	243	258	257	252	255	252
Wholesale trade.....	137	267	352	358	366	379	214	197	200	201	198	197
Retail trade.....	82	147	175	176	179	184	128	108	100	99	97	96
Finance, insurance, real estate.....	113	210	289	304	317	326	176	154	165	171	172	170
Services.....	97	191	257	266	276	290	151	140	146	149	149	151

¹ See footnote 1, table 668.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

No. 667. ANNUAL PERCENT CHANGES IN EARNINGS AND COMPENSATION: 1979 TO 1988

[Annual percent change from immediate prior year]

ITEM	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Current dollars:										
Hourly earnings, total ¹	8.3	8.1	8.9	5.9	4.4	3.7	3.0	2.2	2.5	3.5
Hourly earnings, manufacturing.....	8.6	8.5	9.9	6.3	4.0	4.1	3.8	2.0	1.8	2.7
Compensation per employee-hour ¹	9.5	10.5	9.5	7.4	4.0	3.9	4.1	5.1	3.7	4.8
Constant (1977) dollars:										
Hourly earnings, total ¹	-2.8	-4.9	-1.2	-	1.2	.4	-6	.8	-1.2	-4
Hourly earnings, manufacturing.....	-2.4	-4.5	-2	.2	.9	.6	.4	.4	-1.6	-1.3
Compensation per employee-hour ¹	-1.6	-2.6	-7	1.1	.7	.4	.5	3.2	.1	.7
Consumer Price Index ²	11.3	13.5	10.3	6.2	3.2	4.3	3.6	1.9	3.6	4.1

- Represents zero. ¹ Nonfarm business sector. ² See text, section 15.

Source: U.S. Bureau of Labor Statistics, *Monthly Labor Review*.

No. 668. AVERAGE WEEKLY EARNINGS IN CURRENT AND CONSTANT (1977) DOLLARS, PRIVATE NONAGRICULTURAL AND MANUFACTURING INDUSTRIES: 1960 TO 1988

[In dollars. Average earnings include overtime. Based on reports from employing establishments and relate to full- and part-time wage and salary workers in nonagricultural establishments who worked during, or received pay for, any part of the pay period which includes the 12th of the month. See headnote, table 666. See *Historical Statistics, Colonial Times to 1970*, series D 804, for average weekly earnings in manufacturing]

YEAR	PRIVATE NONAGRICULTURAL		MANUFACTURING		YEAR	PRIVATE NONAGRICULTURAL		MANUFACTURING	
	Current dollars	Constant (1977) dollars ¹	Current dollars	Constant (1977) dollars ¹		Current dollars	Constant (1977) dollars ¹	Current dollars	Constant (1977) dollars ¹
1960.....	81	165	90	183	1980.....	235	173	269	212
1970.....	120	187	133	208	1981.....	255	170	318	212
1974.....	155	190	177	217	1982.....	267	168	330	208
1975.....	164	184	191	215	1983.....	281	171	354	216
1976.....	175	187	209	223	1984.....	293	173	374	221
1977.....	189	189	229	229	1985.....	299	170	386	220
1978.....	204	189	249	232	1986.....	305	171	396	222
1979.....	220	183	269	225	1987.....	313	169	406	220
					1988.....	322	168	418	218

¹ Earnings in current dollars divided by the Consumer Price Index (CPI-W) on a 1977 base; see text, section 15.

Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, monthly.

NO. 669. AVERAGE ANNUAL PAY, BY STATE: 1986 TO 1988

[In dollars except percent change. For workers covered by State unemployment insurance laws and for Federal civilian workers covered by unemployment compensation for Federal employees, approximately 90 percent of total civilian employment. Excludes most agricultural workers on small farms, all Armed Forces, elected officials in most States, railroad employees, most domestic workers, employees of certain nonprofit organizations and most self-employed individuals. Pay includes bonuses, cash value of meals and lodging, and tips and other gratuities. Minus sign (-) indicates decrease]

STATE	AVERAGE ANNUAL PAY			PERCENT CHANGE		STATE	AVERAGE ANNUAL PAY			PERCENT CHANGE	
	1986	1987	1988 ¹	1986-1987	1987-1988		1986	1987	1988 ¹	1986-1987	1987-1988
U.S.	19,966	20,857	21,871	4.5	4.9	MO.....	18,915	19,601	20,295	3.6	3.5
AL.....	17,638	18,318	19,003	3.9	3.7	MT.....	16,085	16,438	16,957	2.2	3.2
AK.....	28,442	28,008	28,033	-1.5	3.1	NE.....	16,106	16,526	17,190	2.6	4.0
AZ.....	18,870	19,610	20,383	3.9	3.9	NV.....	18,739	19,521	20,556	4.2	5.3
AR.....	16,162	16,529	17,023	2.3	3.0	NH.....	16,303	19,414	20,749	6.1	6.9
CA.....	21,998	23,100	24,124	5.0	4.4	NJ.....	22,309	23,642	25,748	6.9	8.0
CO.....	20,275	20,830	21,472	2.7	3.1	NM.....	17,301	17,767	18,259	2.7	2.8
CT.....	22,518	24,322	26,244	8.0	7.9	NY.....	23,200	24,634	26,347	6.2	7.0
DE.....	19,637	20,764	21,977	5.7	5.8	NC.....	16,999	17,861	18,637	5.1	4.3
DC.....	27,137	28,477	30,254	4.9	6.2	ND.....	15,778	16,157	16,508	2.4	2.2
FL.....	17,680	18,674	19,520	5.6	4.5	OH.....	19,903	20,565	21,500	3.3	4.5
GA.....	18,745	19,851	20,501	4.8	4.3	OK.....	18,345	18,618	19,098	1.5	2.6
HI.....	18,101	19,091	20,444	5.5	7.1	OR.....	18,321	18,888	19,637	3.1	4.0
ID.....	16,623	17,062	17,848	2.6	3.4	PA.....	19,403	20,408	21,485	5.2	5.3
IL.....	21,445	22,250	23,506	3.8	6.1	RI.....	17,733	18,858	20,206	6.3	7.1
IN.....	19,024	19,692	20,437	3.5	3.8	SC.....	16,603	17,280	18,009	4.1	4.2
IA.....	16,598	17,292	17,928	4.2	3.7	SD.....	14,477	14,963	15,424	3.4	3.1
KS.....	17,934	18,424	19,030	2.7	3.3	TN.....	17,561	18,501	19,209	4.8	3.8
KY.....	17,357	18,008	18,545	3.7	3.0	TX.....	19,934	20,463	21,130	2.6	3.3
LA.....	18,290	18,707	19,330	2.3	3.3	UT.....	17,863	18,303	19,010	2.5	3.9
ME.....	16,326	17,447	18,347	6.9	5.2	VT.....	16,862	17,703	18,640	5.0	5.3
MD.....	20,121	21,324	22,500	6.0	5.5	VA.....	18,972	19,963	21,052	5.2	5.5
MA.....	20,925	22,486	24,143	7.5	7.4	WA.....	19,645	20,110	20,806	2.4	3.5
MI.....	22,721	23,061	24,193	1.6	4.8	WV.....	18,402	18,820	19,341	2.3	2.8
MN.....	19,633	20,450	21,481	4.2	5.0	WI.....	18,202	18,890	19,743	3.8	4.5
MS.....	15,420	15,938	16,522	3.4	3.7	WY.....	18,969	18,817	19,097	-0.8	1.5

¹ Preliminary.

Source: U.S. Bureau of Labor Statistics, *Employment and Wages, Annual Averages 1988*, and USDL News Release 89-415, *Average Annual Pay by State and Industry, 1988*.

NO. 670. AVERAGE ANNUAL PAY, BY SELECTED METROPOLITAN AREAS: 1986 TO 1988

[In dollars, except percent change. For composition of metropolitan areas, see Appendix II. See also headnote, table 669. For civilian labor force data, see table 630.]

METROPOLITAN AREAS RANKED BY POPULATION SIZE, 1988	AVERAGE ANNUAL PAY			Percent change, 1987-1988	METROPOLITAN AREAS RANKED BY POPULATION SIZE, 1988	AVERAGE ANNUAL PAY			Percent change, 1987-1988
	1986	1987	1988 ¹			1986	1987	1988 ¹	
U.S. total	19,966	20,857	21,871	4.9	Cincinnati-Hamilton, OH-KY-IN	18,915	19,601	20,295	3.6
U.S. metropolitan total.....	20,762	21,722	22,833	5.1	CMSA.....	20,280	21,142	21,928	3.7
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA.....	24,207	25,976	28,104	8.2	Kansas City, MO-KS MSA.....	20,062	20,848	21,598	3.6
Los Angeles-Anaheim-Riverside, CA CMSA.....	22,542	23,921	24,940	4.3	Milwaukee-Racine, WI CMSA.....	20,084	20,758	21,738	4.7
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA.....	22,626	23,481	25,031	6.6	Portland-Vancouver, OR-WA CMSA.....	19,786	20,366	21,227	4.1
San Francisco-Oakland-San Jose, CA CMSA.....	24,309	25,375	26,673	5.1	Sacramento, CA MSA.....	20,223	21,047	21,937	4.2
Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA.....	21,223	22,530	23,997	6.5	Norfolk-Virginia Beach, VA MSA.....	17,597	18,268	18,983	3.9
Detroit-Ann Arbor, MI CMSA.....	24,700	25,178	26,467	5.1	Columbus, OH MSA.....	19,640	20,333	21,301	4.8
Dallas-Fort Worth, TX CMSA.....	21,915	22,768	23,553	3.4	San Antonio, TX MSA.....	17,843	18,436	19,325	4.8
Boston-Lawrence-Salem-Lowell-Brockton, MA CMSA.....	22,250	23,888	25,731	7.7	New Orleans, LA MSA.....	19,264	19,788	20,369	3.0
Washington, DC-MD-VA MSA.....	23,859	25,210	26,779	6.2	Indianapolis, IN MSA.....	20,115	21,081	21,877	3.8
Houston-Galveston-Brazoria, TX CMSA.....	23,029	23,373	24,274	3.9	Buffalo-Niagara Falls, NY CMSA.....	18,858	19,404	20,396	5.1
Miami-Fort Lauderdale, FL CMSA.....	19,330	20,602	21,542	4.6	Charlotte-Gastonia-Rock Hill, NC-SC MSA.....	18,650	19,806	20,696	4.5
Cleveland-Akron-Lorain, OH CMSA.....	21,024	21,782	22,802	4.7	Hartford-New Britain-Middletown-Bristol, CT CMSA.....	22,395	24,151	25,787	6.8
Atlanta, GA MSA.....	21,243	22,426	23,440	4.5	Salt Lake City-Ogden, UT MSA.....	18,306	18,856	19,498	3.4
St. Louis, MO-IL MSA.....	20,969	21,793	22,735	4.3	Rochester, NY MSA.....	21,843	22,307	23,469	5.2
Seattle-Tacoma, WA CMSA.....	21,286	21,863	22,709	3.9	Memphis, TN-AR-MS MSA.....	18,799	19,709	20,371	3.4
Minneapolis-St. Paul, MN-WI MSA.....	21,495	22,385	23,618	5.5	Nashville, TN MSA.....	18,667	19,737	20,469	3.7
San Diego, CA MSA.....	20,146	21,051	22,163	5.4	Orlando, FL MSA.....	18,014	18,929	19,930	5.3
Baltimore, MD MSA.....	19,911	20,978	22,242	6.0	Louisville, KY-IN MSA.....	18,684	19,448	20,048	3.1
Pittsburgh-Beaver Valley, PA CMSA.....	20,144	20,949	21,811	4.1	Oklahoma City, OK MSA.....	19,144	19,534	19,998	2.4
Phoenix, AZ MSA.....	19,730	20,612	21,438	4.0	Dayton-Springfield, OH MSA.....	20,225	20,612	21,978	6.6
Tampa-St. Petersburg-Clearwater, FL MSA.....	17,116	17,911	18,713	4.5	Greensboro-Winston-Salem-High Point, NC MSA.....	18,201	19,150	20,204	5.5
Denver-Boulder, CO CMSA.....	21,983	22,649	23,368	3.2	Birmingham, AL MSA.....	19,164	19,917	20,775	4.3
					Providence-Pawtucket-Woonsocket, RI CMSA.....	17,574	18,696	20,089	7.4
					Jacksonville, FL MSA.....	18,221	19,141	19,986	4.4
					Albany-Schenectady-Troy, NY MSA.....	19,499	20,607	21,779	5.7
					Richmond-Petersburg, VA MSA.....	19,348	20,374	21,283	4.5
					Honolulu, HI MSA.....	18,724	19,718	21,196	7.5

¹ Preliminary.

Source: U.S. Bureau of Labor Statistics, USDL News Release 89-458, *Annual Pay Levels in Metropolitan Areas, 1988*, and earlier issues.

Wage and Salary Workers

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NO. 671. FULL-TIME WAGE AND SALARY WORKERS—NUMBER AND MEDIAN WEEKLY EARNINGS, BY SELECTED CHARACTERISTICS: 1983 TO 1988

[In current dollars of usual weekly earnings. Data represent annual averages of quarterly data. See text, section 13 for a discussion of occupational data. Based on Current Population Survey; see text, section 1, and Appendix III. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	NUMBER OF WORKERS (1,000)				MEDIAN WEEKLY EARNINGS (dol.)			
	1983	1986	1987	1988	1983	1985	1987	1988
All workers ¹	70,976	77,002	80,836	82,692	313	343	373	385
Male	42,309	45,589	47,162	48,049	378	406	433	449
16 to 24 years old.....	6,702	6,956	6,726	6,677	223	240	257	261
25 years old and over.....	35,607	38,632	40,436	41,371	406	442	477	487
Female	28,667	31,414	33,674	34,643	252	277	303	315
16 to 24 years old.....	5,345	5,621	5,526	5,444	197	210	226	235
25 years old and over.....	23,322	25,793	28,148	29,199	267	296	321	335
White	61,739	66,481	69,358	70,845	319	355	383	394
Male.....	37,378	40,030	41,150	41,831	387	417	450	465
Female.....	24,361	26,452	28,208	29,014	254	281	307	318
Black	7,373	8,393	9,050	9,352	261	277	301	314
Male.....	3,883	4,367	4,679	4,826	293	304	326	347
Female.....	3,490	4,026	4,371	4,527	231	252	275	288
Hispanic origin ²	(NA)	(NA)	6,093	6,480	(NA)	(NA)	284	290
Male.....	(NA)	(NA)	3,874	4,091	(NA)	(NA)	306	307
Female.....	(NA)	(NA)	2,219	2,370	(NA)	(NA)	251	260
Family relationship:								
Husbands.....	28,720	30,260	30,932	30,995	410	455	487	500
Wives.....	14,854	16,270	17,496	17,907	257	285	313	324
Women who maintain families.....	3,948	4,333	4,709	4,795	256	278	300	311
Men who maintain families.....	1,331	1,313	1,508	1,615	377	396	399	413
Other persons in families:								
Men.....	5,518	6,173	6,385	6,498	219	238	263	270
Women.....	4,032	4,309	4,469	4,502	201	213	235	247
All other men ³	6,740	7,841	8,393	8,936	350	380	405	412
All other women ³	5,803	6,503	7,004	7,442	274	305	326	345
Occupation, male:								
Managerial and professional.....	10,312	11,078	11,555	11,968	516	583	636	666
Exec., admin., managerial.....	5,344	5,835	6,117	6,238	530	593	647	682
Professional specialty.....	4,967	5,243	5,438	5,730	506	571	625	651
Technical, sales, and administrative support.....	8,125	8,803	9,241	9,267	385	420	453	472
Tech. and related support.....	1,428	1,563	1,533	1,647	424	472	500	510
Sales.....	3,853	4,227	4,580	4,519	389	431	479	488
Admin. support, incl. clerical.....	2,844	3,013	3,128	3,101	362	391	402	418
Service.....	3,723	3,947	4,143	4,317	255	272	298	299
Private household.....	11	13	(b)	8	(b)	(b)	(b)	(b)
Protective.....	1,314	1,327	1,481	1,543	355	391	427	424
Other service.....	2,398	2,607	2,646	2,766	217	230	251	257
Precision production ⁴	9,180	10,026	10,125	10,249	387	408	431	446
Mechanics and repairers.....	3,418	3,752	3,681	3,713	377	400	423	441
Construction trades.....	2,966	3,308	3,548	3,622	375	394	416	423
Other.....	2,796	2,966	2,896	2,914	408	433	463	477
Operators, fabricators and laborers.....	9,833	10,585	10,926	11,026	308	325	344	352
Machine operators, assemblers, and inspectors.....	4,138	4,403	4,423	4,454	319	341	353	366
Transportation and material moving.....	3,199	3,459	3,612	3,636	335	369	386	394
Handlers, equipment cleaners, helpers, and laborers.....	2,496	2,724	2,890	2,936	251	261	289	287
Farming, forestry, fishing.....	1,137	1,150	1,171	1,221	200	216	219	234
Occupation, female:								
Managerial and professional.....	7,139	8,302	8,399	8,802	357	399	441	465
Exec., admin., managerial.....	2,772	3,492	4,099	4,487	339	383	416	430
Professional specialty.....	4,367	4,810	5,240	5,315	367	408	458	485
Technical, sales, and administrative support.....	13,517	14,622	15,439	15,664	247	269	293	305
Tech. and related support.....	1,146	1,200	1,264	1,312	296	321	358	384
Sales.....	2,480	2,929	3,077	3,222	204	226	246	264
Admin. support, incl. clerical.....	9,911	10,494	11,098	11,129	248	270	294	305
Service.....	3,598	3,963	4,171	4,352	173	185	199	208
Private household.....	267	330	305	320	116	130	130	139
Protective.....	139	156	186	204	250	278	314	347
Other service.....	3,193	3,477	3,680	3,828	176	188	201	210
Precision production ⁴	784	906	867	926	256	268	302	302
Mechanics and repairers.....	120	144	131	137	337	392	456	392
Construction trades.....	45	53	38	69	(b)	265	(e)	335
Other.....	619	709	699	721	244	253	286	284
Operators, fabricators, and laborers.....	3,486	3,482	3,716	3,737	204	216	231	238
Machine operators, assemblers, and inspectors.....	2,853	2,778	2,962	2,952	202	216	227	236
Transportation and material moving.....	159	189	186	216	253	252	289	286
Handlers, equipment cleaners, helpers and laborers.....	474	514	568	569	211	209	233	237
Farming, forestry, fishing.....	143	138	142	161	169	185	191	201

B Data not shown where base is less than 50,000. NA Not available. ¹ Includes other races, not shown separately. ² Persons of Hispanic origin may be of any race. ³ The majority of these persons are living alone or with nonrelatives. Also included are persons in families where the husband, wife or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies. ⁴ Includes craft and repair.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and *Employment and Earnings*, January issues.

NO. 672. MEDIAN WEEKLY EARNINGS OF FAMILIES BY TYPE OF FAMILY, NUMBER OF EARNERS, RACE, AND HISPANIC ORIGIN: 1980 TO 1988

[Annual averages of quarterly figures based on Current Population Survey; see text, section 1, and Appendix III. For families with wage and salary earners]

CHARACTERISTIC	NUMBER OF FAMILIES (1,000)					MEDIAN WEEKLY EARNINGS (dollars)				
	1980	1985	1986	1987	1988	1980	1985	1986	1987	1988
TOTAL										
Total families with earners¹	41,162	41,616	42,101	42,733	42,913	400	522	543	572	596
Married-couple families	33,825	33,459	33,569	33,844	33,664	433	582	606	637	668
One earner	14,797	13,347	13,049	12,668	12,365	303	385	393	405	418
Husband	12,127	10,346	9,979	9,640	9,429	336	440	459	477	489
Wife	2,059	2,243	2,351	2,272	2,199	159	217	223	230	238
Other family member	611	758	719	757	736	163	204	210	212	228
Two or more earners ²	19,028	20,112	20,520	21,176	21,499	535	715	744	776	811
Husband and wife only	12,990	14,019	14,347	14,955	15,278	507	684	712	741	773
Husband and other family member(s)	2,369	2,159	2,056	1,996	1,872	557	689	720	749	787
Wife and other family member(s)	426	514	532	560	520	350	454	480	512	495
Other family members only	139	178	188	147	162	356	468	469	501	494
Families maintained by women	5,690	6,470	6,718	6,963	6,989	222	297	307	317	334
One earner	4,022	4,397	4,607	4,702	4,741	184	234	242	254	260
Householder	3,104	3,432	3,606	3,675	3,743	188	243	251	263	269
Other family member	918	965	1,001	1,027	999	168	200	205	215	225
Two or more earners	1,668	2,073	2,110	2,260	2,247	370	487	499	514	554
Families maintained by men	1,647	1,688	1,814	1,926	2,061	360	450	444	478	486
One earner	1,016	1,031	1,133	1,144	1,221	283	346	351	353	374
Two or more earners	631	656	681	782	840	502	625	637	675	700
WHITE										
Total families with earners¹	35,786	35,848	36,072	36,555	36,667	411	543	566	592	616
Married-couple families	30,316	29,899	29,885	30,095	30,135	438	589	615	647	677
One earner ²	13,437	12,097	11,698	11,385	11,120	311	395	405	416	432
Husband	11,152	9,496	9,077	8,784	8,609	343	452	472	485	497
Wife	1,740	1,925	1,996	1,946	1,866	160	218	225	231	243
Two or more earners	16,878	17,502	18,167	18,710	19,015	542	723	755	785	818
Husband and wife only	11,448	12,394	12,656	13,232	13,516	511	691	720	748	780
Families maintained by women	4,140	4,616	4,786	4,959	4,930	239	311	320	329	351
Families maintained by men	1,331	1,333	1,420	1,501	1,602	374	475	476	492	496
BLACK										
Total families with earners¹	4,503	4,668	4,810	4,942	4,999	299	378	391	412	435
Married-couple families	2,802	2,671	2,734	2,768	2,747	366	487	503	529	576
One earner ²	1,103	902	978	924	878	210	257	267	289	281
Husband	769	580	615	581	546	244	292	307	335	339
Wife	279	257	289	264	258	151	206	209	215	205
Two or more earners	1,700	1,769	1,755	1,843	1,870	472	622	645	675	713
Husband and wife only	1,238	1,258	1,269	1,318	1,340	461	603	628	646	685
Families maintained by women	1,438	1,703	1,756	1,822	1,884	192	259	267	284	291
Families maintained by men	263	294	320	352	368	307	360	348	383	419
HISPANIC ORIGIN³										
Total families with earners¹	(NA)	(NA)	3,017	3,219	3,384	(NA)	(NA)	412	425	451
Married-couple families	(NA)	(NA)	2,272	2,411	2,488	(NA)	(NA)	459	473	494
One earner ²	(NA)	(NA)	1,006	1,032	1,044	(NA)	(NA)	289	292	301
Husband	(NA)	(NA)	828	838	867	(NA)	(NA)	308	314	316
Wife	(NA)	(NA)	127	122	119	(NA)	(NA)	202	209	236
Two or more earners	(NA)	(NA)	1,266	1,379	1,444	(NA)	(NA)	603	615	671
Husband and wife only	(NA)	(NA)	809	884	908	(NA)	(NA)	582	593	623
Families maintained by women	(NA)	(NA)	538	575	634	(NA)	(NA)	273	285	295
Families maintained by men	(NA)	(NA)	207	234	261	(NA)	(NA)	380	418	429

NA Not available. ¹ Excludes families in which there is no wage or salary earner or in which the husband, wife, or other person maintaining the family is either self-employed or in the Armed Forces. ² Includes other earners, not shown separately. ³ Persons of Hispanic origin may be of any race.

Source: U.S. Bureau of Labor Statistics, Bulletin 2307, and *Employment and Earnings*, January issues.

NO. 673. NUMBER OF WORKERS WITH EARNINGS AND MEDIAN EARNINGS, BY OCCUPATION OF LONGEST JOB HELD AND SEX: 1988

[Covers civilians 15 years old and over as of **March 1989**. Based on Current Population Survey; see text, section 1, and Appendix III. For definition of median, see Guide to Tabular Presentation.]

MAJOR OCCUPATION GROUP OF LONGEST JOB HELD	ALL WORKERS				YEAR ROUND FULL-TIME				Ratio: Women to men	
	Women		Men		Women		Men			
	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number (1,000)	Median earnings	Number	Median earnings
Total ¹	60,658	\$11,096	70,467	\$20,612	31,237	\$17,606	48,285	\$26,656	.65	.66
Executive, administrators, and managerial.....	6,411	20,688	9,139	34,221	4,880	23,356	7,860	36,759	.62	.64
Professional specialty.....	9,488	20,245	8,200	33,740	4,882	25,789	6,458	37,490	.76	.69
Technical and related support.....	1,913	17,169	1,909	27,747	1,208	21,039	1,563	30,369	.77	.69
Sales.....	8,565	6,570	7,599	21,795	3,273	15,474	5,490	27,022	.60	.57
Admin. support, incl. clerical.....	16,115	12,595	3,970	18,594	9,452	16,676	2,706	24,399	3.49	.88
Precision production, craft and repair.....	1,343	12,384	13,807	21,505	799	16,869	9,759	25,746	.08	.66
Machine operators, assemblers, and inspectors.....	4,058	10,269	5,221	18,115	2,329	13,289	3,741	21,382	.62	.62
Transportation and material moving. Handlers, equipment cleaners, helpers, and laborers.....	1,039	6,694	5,030	8,574	372	13,397	2,071	17,042	.18	.79
Service workers.....	11,477	5,181	7,200	9,600	3,665	11,032	3,655	18,648	1.00	.59
Private household.....	1,262	2,170	38	(B)	224	7,299	13	(B)	17.23	(X)
Service, except private household.....	10,215	5,649	7,162	9,648	3,441	11,232	3,642	18,670	.94	.60
Farming, forestry, and fishing.....	691	2,439	3,467	7,290	194	9,926	1,687	14,300	.11	.69

B Base less than 75,000. X Not applicable. ¹ Includes persons whose longest job was in the Armed Forces.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 166.

NO. 674. EMPLOYMENT COST INDEX (ECI), BY INDUSTRY AND OCCUPATION: 1982 TO 1988

[As of December. The ECI is a measure of the rate of change in employee compensation (wages, salaries, and employer costs for employee benefits). Data are not seasonally adjusted; 1982-1985 based on 1970 Census of Population; thereafter, based on fixed employment counts from the 1980 Census of Population.]

ITEM	INDEXES (June 1981 = 100)							PERCENT CHANGE FOR 12 MONTHS ENDING—				
	1982	1983	1984	1985	1986	1987	1988	1984	1985	1986	1987	1988
Civilian workers	111.4	117.8	123.9	129.2	133.8	138.6	145.5	5.2	4.3	3.6	3.6	5.0
Workers, by occupational group:												
White-collar workers.....	111.9	118.9	125.5	131.6	136.9	142.2	149.7	5.6	4.9	4.0	3.9	5.3
Blue-collar workers.....	110.5	115.8	120.9	124.9	128.4	132.5	138.2	4.4	3.3	2.8	3.2	4.3
Service workers.....	112.4	119.1	126.8	131.8	136.6	140.8	148.5	6.5	3.9	3.6	3.1	5.5
Workers, by industry division:												
Manufacturing.....	110.4	116.0	122.0	126.0	130.1	134.1	140.1	5.2	3.3	3.3	3.1	4.5
Nonmanufacturing.....	111.8	118.6	124.8	130.6	135.4	140.5	147.7	5.2	4.6	3.7	3.8	5.1
Services.....	115.0	122.6	130.9	137.1	143.6	150.6	159.7	6.8	4.7	4.7	4.9	6.0
Public administration ²	113.6	121.4	128.6	134.8	141.6	148.1	154.4	5.9	4.8	5.0	4.6	4.3
Private industry workers ³	110.7	117.0	122.7	127.5	131.6	136.0	142.6	4.9	3.9	3.2	3.3	4.9
Workers, by occupational group:												
White-collar workers.....	110.8	117.9	123.9	129.8	134.3	139.3	146.3	5.1	4.8	3.5	3.7	5.0
Blue-collar workers.....	110.3	115.7	120.6	124.4	127.8	131.8	137.6	4.2	3.2	2.7	3.1	4.4
Service workers.....	111.8	117.9	125.7	129.5	133.5	136.7	143.9	6.6	3.0	3.1	2.4	5.3
Workers, by industry division:												
Manufacturing.....	110.4	116.0	122.0	126.0	130.1	134.1	140.1	5.2	3.3	3.3	3.1	4.5
Nonmanufacturing.....	110.8	117.5	123.1	128.4	132.4	137.1	143.9	4.8	4.3	3.1	3.5	5.0
Services.....	(NA)	(NA)	(NA)	135.6	141.4	148.7	157.2	(NA)	(NA)	4.3	5.2	5.7
Business services.....	(NA)	(NA)	(NA)	(NA)	131.9	139.9	146.9	(NA)	(NA)	(NA)	6.1	5.0
Health services.....	(NA)	(NA)	(NA)	127.9	136.0	141.8	150.3	(NA)	(NA)	4.9	4.3	6.0
Hospitals ⁴	(NA)	(NA)	(NA)	(NA)	102.8	107.8	114.4	(NA)	(NA)	(NA)	4.9	6.1
Workers by bargaining status:												
Union.....	112.3	118.8	123.9	127.1	129.8	133.4	138.6	4.3	2.6	2.1	2.8	3.9
Nonunion.....	109.7	115.9	121.9	127.5	132.1	136.9	143.9	5.2	4.6	3.6	3.6	5.1
State and local government workers	115.1	122.0	130.1	137.5	144.7	151.1	159.6	6.6	5.7	5.2	4.4	5.6
Workers, by occupational group:												
White-collar workers.....	115.8	122.6	131.1	138.6	146.0	152.7	161.8	6.9	5.7	5.3	4.6	6.0
Blue-collar workers.....	113.0	119.2	125.9	132.7	139.5	144.3	149.1	5.6	5.4	5.1	3.4	3.3
Workers, by industry division:												
Services.....	115.9	122.6	131.3	139.1	146.6	153.1	163.0	7.1	5.9	5.4	4.4	6.5
Schools.....	115.8	122.6	132.0	140.3	148.4	155.5	165.7	7.7	6.3	5.8	4.8	6.6
Elementary and secondary.....	116.6	123.9	133.5	142.0	150.3	157.8	168.3	7.7	6.4	5.8	5.0	6.7
Services, excluding schools ⁵	119.0	122.6	129.2	135.2	141.1	146.3	155.2	5.4	4.6	4.4	3.7	6.1
Public administration ²	113.6	121.4	128.6	134.8	141.6	148.1	154.4	5.9	4.8	5.0	4.6	4.3

NA Not available. ¹ Includes private industry and State and local government workers and excludes farm, household, and Federal government workers. ² Consists of legislative, judicial, administrative, and regulatory activities. ³ Excludes farm and household workers. ⁴ For hospitals, June 1986=100. ⁵ Includes library, social, and health services. Formerly called hospitals and other services.

Source: U.S. Bureau of Labor Statistics, *News, Employment Cost Index*, quarterly.

NO. 675. EFFECTIVE FEDERAL MINIMUM HOURLY WAGE RATES, 1950 TO 1989, AND COVERAGE IN 1988

[Employee estimates as of **September 1988**, except as indicated. The Fair Labor Standards Act of 1938 and subsequent amendments provide for minimum wage coverage applicable to specified nonsupervisory employment categories. Exempt from coverage are executives and administrators or professionals]

IN EFFECT	MINIMUM RATES FOR NONFARM WORKERS			Minimum rates for farm workers ⁴	SEX, RACE, AND INDUSTRY	NONSUPERVISORY EMPLOYEES, 1988				
	Laws prior to 1966 ¹	Per-cent, avg. earn-ings ²	1966 and later ³			Subject to minimum wage rates				
						Total (1,000)	Total (1,000)	Per-cent of total	Prior to 1966 ^{6,7} (1,000)	1966 and later ^{8,9} (1,000)
Jan. 25, 1950.....	\$.75	54	(X)	(X)	Total.....	90,193	79,150	87.8	50,372	28,778
Mar. 1, 1956.....	1.00	52	(X)	(X)	Male.....	46,618	40,778	87.5	27,537	13,241
Sept. 3, 1961.....	1.15	50	(X)	(X)	Female.....	43,575	38,372	88.1	22,835	15,537
Sept. 3, 1963.....	1.25	51	(X)	(X)	White.....	79,401	69,450	87.5	44,997	24,453
Feb. 1, 1967.....	1.40	50	\$1.00	\$1.00	Black and other.....	10,792	9,700	89.9	5,375	4,325
Feb. 1, 1968.....	1.60	54	1.15	1.15	Black only.....	9,820	8,829	89.9	4,904	3,925
Feb. 1, 1969.....	(⁵)	51	1.30	1.30	Private industry.....	79,495	68,452	86.1	50,372	18,080
Feb. 1, 1970.....	(⁵)	49	1.45	(⁵)	Agriculture⁸.....	1,635	628	38.4	-	828
Feb. 1, 1971.....	(⁵)	46	1.60	(⁵)	Mining.....	645	642	99.4	642	-
May 1, 1974.....	2.00	46	1.90	1.60	Construction.....	5,082	5,069	99.5	4,221	848
Jan. 1, 1975.....	2.10	45	2.00	1.80	Manufacturing.....	17,426	16,945	97.2	16,841	104
Jan. 1, 1976.....	2.30	46	2.20	2.00	Transp., public utilities.....	5,020	4,988	99.4	4,912	76
Jan. 1, 1977.....	(⁵)	42	2.30	2.20	Wholesale trade.....	5,353	4,270	79.8	4,011	259
Jan. 1, 1978.....	2.65	44	2.65	2.65	Retail trade.....	17,448	15,157	86.9	7,659	7,498
Jan. 1, 1979.....	2.90	45	2.90	2.90	Finance, insurance, real estate.....	5,735	4,349	75.8	4,179	170
Jan. 1, 1980.....	3.10	44	3.10	3.10	Service⁹.....	19,754	15,474	78.3	7,907	7,567
Jan. 1, 1981.....	3.35	43	3.35	3.35	Private households.....	1,386	930	67.1	-	930
Mar. 1, 1989.....	(⁵)	32	(⁵)	(⁵)	Government¹⁰.....	10,698	10,698	100.0	-	10,698

- Represents zero. X Not applicable. ¹ Applies to workers covered prior to 1961 Amendments and, after Sept. 1965, to workers covered by 1961 Amendments. Rates set by 1961 Amendments were: Sept. 1961, \$1.00; Sept. 1964, \$1.15; and Sept. 1965, \$1.25. ² Percent of gross average hourly earnings of production workers in manufacturing. ³ Applies to workers newly covered by Amendments of 1966, 1974, and 1977, and Title IX of Education Amendments of 1972. ⁴ Included in coverage as of 1966, 1974, and 1977 Amendments. ⁵ No change in rate. ⁶ Includes workers in retail-service establishments with less than \$250,000 in gross annual sales which are part of enterprises covered under criteria in effect prior to the 1966 Amendments. These workers became subject under the 1974 Amendments. ⁷ Currently employed workers subject to provisions. ⁸ Estimates based on average employment for the ten-month active season. ⁹ Estimates for educational services in private industry and government relate to October. ¹⁰ Federal, State, and local employees.

Source: U.S. Department of Labor, Employment Standards Administration, *Minimum Wage and Maximum Hours Standards Under the Fair Labor Standards Act*, 1981, annual; and unpublished data.

NO. 676. WORKERS PAID HOURLY RATES AND THOSE WITH EARNINGS AT OR BELOW THE MINIMUM WAGE, BY SELECTED CHARACTERISTICS: 1988

[Annual averages of monthly figures; for employed wage and salary workers. Based on Current Population Survey, see text, section 1, and Appendix III]

CHARACTERISTIC	NUMBER OF WORKERS ¹ (1,000)			PERCENT DISTRIBUTION		PERCENT OF ALL WORKERS PAID HOURLY RATES			Median hourly earnings of workers paid hourly rates ²		
	Total paid hourly rates	At or below \$3.35		Total paid hourly rates	At or below \$3.35		At or below \$3.35				
		Total	At \$3.35		Below \$3.35	At \$3.35	Below \$3.35	Total		At \$3.35	Below \$3.35
Total, 16 years and over ³	60,878	3,927	2,608	1,319	100.0	100.0	100.0	6.5	4.3	2.2	\$6.82
16 to 24 years.....	15,770	2,281	1,612	669	25.9	61.8	50.7	14.5	10.2	4.2	4.13
16 to 19 years.....	6,130	1,418	1,036	382	10.1	39.7	29.0	23.1	16.9	6.2	4.14
25 years and over.....	45,109	1,646	996	650	74.1	38.2	49.3	3.6	2.2	1.4	7.85
Male, 16 years and over.....	31,058	1,377	1,066	311	51.0	40.9	23.6	4.4	3.4	1.0	8.08
16 to 24 years.....	8,186	946	759	187	13.4	29.1	14.2	11.6	9.3	3.3	5.20
16 to 19 years.....	3,108	616	501	115	5.1	19.2	8.7	19.8	16.1	3.7	4.26
25 years and over.....	22,872	431	307	124	37.6	11.9	9.4	1.9	1.3	0.5	9.47
Women, 16 years and over.....	29,820	2,550	1,542	1,008	49.0	59.1	76.4	8.6	5.2	3.4	5.96
16 to 24 years.....	7,583	1,336	853	482	12.5	32.7	36.5	17.6	11.2	6.4	4.50
16 to 19 years.....	3,022	801	594	267	5.0	20.5	20.2	26.5	17.7	8.8	4.00
25 years and over.....	22,237	1,215	689	526	36.5	26.4	39.9	5.5	3.1	2.4	6.48
White.....	51,239	3,236	2,047	1,189	84.2	78.5	90.1	6.3	4.0	2.3	6.93
Black.....	7,830	599	499	100	12.9	19.1	7.6	7.7	6.4	1.3	6.29
Hispanic origin ⁴	5,394	322	278	44	8.9	10.7	3.3	6.0	5.2	0.8	6.10
Full-time workers.....	45,587	1,312	838	474	74.9	32.1	35.9	2.9	1.8	1.0	7.70
Part-time workers ⁵	15,291	2,615	1,770	845	25.1	67.9	64.1	17.1	11.6	5.5	4.68
Private sector.....	53,170	3,599	2,345	1,254	87.3	89.9	95.1	6.8	4.4	2.4	6.56
Goods-producing industries ⁶	19,234	392	327	65	31.6	12.5	4.9	2.0	1.7	0.3	8.17
Service-producing industries ⁷	33,936	3,207	2,018	1,189	55.7	77.4	90.1	9.5	5.9	3.5	5.82
Retail trade.....	12,776	2,138	1,311	827	21.0	50.3	62.7	16.7	10.3	6.5	4.54
Services.....	13,648	953	616	337	22.4	23.6	25.5	7.0	4.5	2.5	6.29
Public sector.....	7,708	326	263	65	12.7	10.1	4.9	4.3	3.4	0.8	8.23

¹ Excludes the incorporated self-employed. ² For definition of median, see Guide to Tabular Presentation. ³ Includes races not shown separately. ⁴ Persons of Hispanic origin may be of any race. ⁵ Working fewer than 35 hours per week. ⁶ Includes agriculture, mining, construction, and manufacturing. ⁷ Includes transportation and public utilities; wholesale trade; finance, insurance, and real estate; private households; and other service industries, not shown separately.

Source: U.S. Bureau of Labor Statistics, unpublished data.

Employer Costs For Employee Compensation—Pension Plans

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NO. 677. EMPLOYER COSTS FOR EMPLOYEE COMPENSATION PER HOUR WORKED, 1988 AND 1989, AND BY INDUSTRY, 1989

[As of March, for private industry workers. Based on a sample of establishments; see source for details]

COMPENSATION COMPONENT	1988, total cost (dol.)	1989 COST (dol.)					1988, percent distribution	1989 PERCENT DISTRIBUTION				
		Total	Goods producing ¹	Service producing ²	Manufacturing	Non-manufacturing		Total	Goods producing ¹	Service producing ²	Manufacturing	Non-manufacturing
Total compensation	13.79	14.28	17.21	13.12	17.16	13.46	100.0	100.0	100.0	100.0	100.0	100.0
Wages and salaries.....	10.02	10.38	11.80	9.77	11.71	10.00	72.7	72.7	69.2	74.5	68.2	74.3
Total benefits.....	3.77	3.90	5.30	3.35	5.45	3.46	27.3	27.3	30.8	25.5	31.9	25.7
Paid leave.....	.48	1.00	1.20	.92	1.33	.91	7.0	7.0	7.0	7.0	7.7	6.8
Vacation.....	.48	.50	.82	.45	.68	.45	3.5	3.5	3.6	3.4	3.9	3.3
Holiday.....	.33	.34	.43	.30	.49	.30	2.4	2.4	2.5	2.3	2.8	2.2
Sick.....	.12	.12	.10	.13	.12	.13	.9	.9	.6	1.0	.7	.9
Other.....	.04	.04	.04	.04	.04	.04	.3	.3	.2	.3	.3	.3
Supplemental pay.....	.33	.34	.60	.23	.65	.25	2.4	2.4	3.5	1.8	3.8	1.8
Premium pay.....	.17	.17	.37	.09	.40	.11	1.2	1.2	2.2	.7	2.3	.8
Nonproduction bonuses.....	.12	.12	.15	.10	.15	.11	.8	.8	.8	.8	.9	.8
Shift pay.....	.04	.05	.08	.03	.10	.03	.3	.3	.5	.3	.6	.2
Insurance.....	.78	.85	1.28	.88	1.40	.70	5.6	6.0	7.4	5.2	8.1	5.2
Pensions and savings.....	.45	.42	.57	.36	.54	.39	3.3	2.9	3.3	2.7	3.2	2.0
Pensions.....	.38	.34	.45	.30	.41	.32	2.8	2.4	2.6	2.3	2.4	2.4
Savings and thrift.....	.07	.08	.12	.06	.13	.07	.5	.6	.7	.5	.8	.5
Legally required ³	1.22	1.27	1.61	1.14	1.48	1.21	8.8	8.9	9.3	8.7	8.6	9.0
Social Security.....	.81	.84	1.00	.77	1.00	.79	5.9	5.9	5.8	5.9	5.9	5.9
Federal unemployment.....	.03	.03	.03	.03	.03	.03	.2	.2	.2	.2	.2	.2
State unemployment.....	.12	.11	.16	.09	.15	.10	.8	.8	.9	.7	.9	.7
Workers compensation.....	.24	.27	.41	.21	.29	.26	1.7	1.9	2.4	1.6	1.7	1.9
Other benefits ⁴.....	.02	.02	.05	(2)	.05	(2)	.2	.1	.3	(2)	.3	(2)

Z Represents or rounds to zero. ¹ Mining, construction, and manufacturing. ² Transportation, communications, public utilities, wholesale trade, retail trade, finance, insurance, real estate, and services. ³ Includes railroad retirement, railroad unemployment, railroad supplemental unemployment, and other legally required benefits, not shown separately. ⁴ Includes severance pay, supplemental unemployment benefits, and for 1988, merchandise discounts in department stores.

Source: U.S. Bureau of Labor Statistics, *News, Employer Costs for Employee Compensation*, June 1989, USDL 89-295.

NO. 678. EMPLOYEES WITH EMPLOYER- OR UNION-PROVIDED PENSION PLANS, OR GROUP HEALTH PLANS, BY OCCUPATION AND INDUSTRY: 1987

[In thousands, except percent. For civilian wage and salary workers 15 years old and over as of March 1988. Based on Current Population Survey; see text, section 1, and Appendix III]

OCCUPATION	Total	WITH PENSION PLANS		WITH GROUP HEALTH PLANS		INDUSTRY	Total	WITH PENSION PLANS		WITH GROUP HEALTH PLANS	
		Number	Percent	Number	Percent			Number	Percent	Number	Percent
Total¹	118,150	46,195	40.8	66,822	56.8	Total¹	118,150	46,195	40.8	66,822	56.8
Managerial and professional specialty.....	27,521	16,088	58.5	20,345	73.9	Agriculture, forestry, fisheries.....	2,457	210	8.5	540	22.0
Executive, admin. and managerial.....	13,111	7,269	55.4	9,996	76.2	Mining.....	773	473	61.2	620	80.0
Prof. specialty.....	14,411	8,820	61.2	10,349	71.8	Construction.....	6,928	2,104	30.4	3,504	50.6
Technical, sales and admin. support.....	37,487	14,409	38.4	20,618	55.0	Manufacturing.....	22,686	12,289	54.2	17,014	75.0
Service workers.....	17,446	3,757	21.5	5,415	31.0	Transportation, public utilities.....	8,186	4,900	59.9	6,097	74.5
Pvt. household.....	1,258	9	.7	44	3.5	Wholesale trade.....	4,565	1,811	39.7	3,067	67.2
Service, exc. Pvt. household.....	16,188	3,748	23.2	5,371	33.2	Retail trade.....	21,527	3,934	18.3	7,335	34.1
Farming, forestry and fishing.....	2,676	218	8.1	515	19.2	Finance, insurance, real estate.....	7,931	3,637	45.9	5,230	65.9
Precision prod., craft, and repair.....	13,102	6,139	46.9	8,772	67.0	Business services.....	6,257	1,485	23.7	2,868	45.8
Operatives, fabricators and laborers.....	19,690	7,500	38.1	11,115	56.4	Personal services.....	4,642	440	9.5	1,091	23.5
						Entertainment and recreation.....	1,632	292	17.9	536	32.6
						Professional and related.....	24,463	12,047	49.2	14,477	59.2
						Public administration.....	5,878	4,490	76.4	4,402	74.9

¹ Includes civilians whose longest job was in the Armed Forces, not shown separately.

Source: U.S. Bureau of the Census, unpublished data.

NO. 679. EMPLOYEE BENEFITS IN MEDIUM AND LARGE FIRMS: 1988

[Covers full-time employees in private industry, excludes establishments with fewer than 100 workers, executive and traveling operating employees, and Alaska and Hawaii. Covers only benefits for which the employer pays part or all of the premium or expenses involved, except unpaid parental leave. Based on a sample survey of establishments; for details, see source. For data on employee benefits in State and local governments, see table 490]

TYPE OF EMPLOYEE BENEFIT	All employees	Professional and administrative	Technical and clerical	Production and service	TYPE OF EMPLOYEE BENEFIT	All employees	Professional and administrative	Technical and clerical	Production and service
Percent of employees participating in—					Retirement and savings plans:				
Paid: Vacations.....	98	98	99	97	Defined benefit pension.....	63	65	64	61
Holidays.....	96	98	98	94	Earnings-based formula ²	45	61	56	31
Jury duty leave.....	91	95	95	87	Defined contribution.....	45	60	55	32
Funeral leave.....	85	88	88	83	Savings and thrift.....	25	37	32	15
Rest time.....	72	59	69	80	Employee stock ownership.....	2	3	3	1
Military leave.....	55	63	60	48	Profit sharing.....	18	20	21	15
Sick leave.....	69	90	90	47	Money purchase pension.....	6	8	7	3
Personal leave.....	24	32	33	15	Additional benefits: ³				
Lunch time.....	11	5	6	17	Parking.....	64	83	80	87
Maternity leave.....	2	3	2	2	Educational assistance.....	70	82	79	59
Paternity leave.....	1	2	1	1	Employee discounts.....	52	53	56	49
Unpaid: Maternity leave.....	33	37	34	31	Travel accident insurance.....	49	66	58	34
Paternity leave.....	16	19	17	13	In-house infirmary.....	35	42	35	31
Insurance plans:					Severance pay.....	42	54	51	30
Health.....	90	93	91	88	Relocation allowance.....	33	64	28	18
Noncontributory.....	51	50	46	53	Recreation facilities.....	25	31	24	21
Hospital/surgical ¹	88	91	90	86	Subsidized meals.....	21	28	26	15
Mental health care.....	88	91	90	86	Nonproduction bonuses:				
Private duty nursing.....	86	90	88	84	cash.....	22	20	21	24
Dental.....	60	66	62	55	Gifts, non-cash.....	16	18	15	15
Extended care facility.....	71	76	74	66	Financial counseling.....	10	13	12	7
Home health care.....	68	74	73	63	Supplemental unemployment benefits.....	6	3	3	8
Hospice care.....	34	38	35	32	Subsidized commuting.....	5	7	7	3
Vision.....	32	33	33	30	Prepaid legal services.....	4	3	4	5
In HMO's.....	17	20	20	14	Child care.....	4	6	6	2
Life.....	92	96	94	89	Flexible benefits plans.....	5	7	7	8
Noncontributory.....	80	80	36	60	Reimbursement accounts ⁴	12	20	17	5
Accident/sickness.....	46	30	29	49					
Noncontributory.....	37	23	29	49					
Long-term disability.....	42	63	53	24					
Noncontributory.....	33	50	42	20					

¹ Includes physician visits in hospitals, diagnostic X-ray and lab, and auxiliary hospital services. ² Earnings-based formulas pay a percent of employee's annual earnings (usually earnings in the final years of employment) per year of service. ³ Job related.

⁴ Account which is used throughout the year to pay for plan premiums or to reimburse the employee for benefit related expenses. Account may be financed by employer, employee, or both.

Source: U.S. Bureau of Labor Statistics, *Employee Benefits in Medium and Large Firms, 1988*, Bulletin 2336.

NO. 680. ESTABLISHMENTS PROVIDING CHILD CARE BENEFITS AND/OR VARIED WORK-SCHEDULE POLICIES, BY ESTABLISHMENT SIZE AND SECTOR: 1987

[As of summer. For establishments with 10 employees or more. Based on sample; for details, see source]

ITEM	Total	SIZE			SECTOR			Government
		10-49 employees	50-249 employees	250 employees or more	Private			
					Total	Goods ¹	Services ²	
Total establishments (1,000).....	1,202	919	236	47	1,128	272	856	74
Percent providing child-care benefits or services ³	11.1	9.0	15.3	31.8	10.1	6.3	11.3	26.4
Employer-sponsored day care.....	2.1	1.9	2.2	5.2	1.6	.3	2.0	9.4
Assisted with child-care expenses ⁴	3.1	2.4	4.7	8.9	3.1	1.9	3.5	2.9
Child-care information and referral services.....	5.1	4.3	6.3	14.0	4.3	2.3	5.0	15.8
Counseling services ⁵	5.1	3.8	7.6	17.1	4.2	3.0	4.6	18.2
Percent with varied work-schedule policies aiding child care ³	61.2	62.0	58.1	59.4	61.4	51.3	64.6	57.2
Flexitime.....	43.2	45.1	37.7	34.9	43.6	31.3	47.5	37.5
Voluntary part-time.....	34.8	36.0	32.0	25.1	35.3	22.4	39.4	26.7
Job sharing ⁶	15.5	16.0	13.7	15.7	15.0	9.0	16.9	23.5
Work at home.....	8.3	9.2	5.6	3.8	8.5	8.2	8.6	4.0
Flexible leave.....	42.9	43.8	39.9	40.2	42.9	37.3	44.8	43.7

¹ Mining, construction, and manufacturing. ² Transportation, communications, public utilities; wholesale and retail trade; finance, insurance, and real estate; and services. ³ The individual categories will sum to more than the total percent because many employers provide more than one benefit or policy; includes other policies, not shown separately. ⁴ Regular reimbursement of employees' child-care expenses as part of the employee benefits package. ⁵ A counselor, either a paid employee of the establishment or a contractor provided by the employer, who deals with family-related issues. ⁶ A formal arrangement whereby work of a single full-time position is performed by more than one employee.

Source: U.S. Bureau of Labor Statistics, *BLS Reports on Employer Child-Care Practices*, USDL 88-7.

**NO. 681. MAJOR COLLECTIVE BARGAINING AGREEMENTS—AVERAGE PERCENT EFFECTIVE WAGE
ADJUSTMENTS: 1975 TO 1988**

[In percent, except as indicated. Data represent all wage adjustments implemented under the terms of private nonfarm industry agreements affecting 1,000 workers or more. Series cover production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries. Effective wage adjustment data measure all wage changes effective in the year stemming from settlements reached in the year, deferred from prior year agreements, and cost-of-living adjustment (COLA clauses)]

ADJUSTMENTS	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total effective adjustments (prorated over all workers).....	8.7	8.2	9.1	9.9	9.5	6.8	4.0	3.7	3.3	2.3	3.1	2.6
Source:												
Current settlements.....	2.8	2.0	3.0	3.6	2.5	1.7	.8	.8	.7	.5	.7	.7
Prior agreements.....	3.7	3.7	3.0	3.5	3.8	3.6	2.5	2.0	1.8	1.7	1.8	1.3
COLA.....	2.2	2.4	3.1	2.8	3.2	1.4	.6	.9	.7	.2	.5	.6
Industry:												
Manufacturing.....	8.5	8.6	9.6	10.2	9.4	5.2	2.7	4.3	2.8	1.5	3.4	2.8
Nonmanufacturing.....	8.9	7.9	8.8	9.7	9.5	7.9	4.8	3.3	3.6	2.9	2.9	2.5
Construction.....	8.1	6.5	7.1	9.9	11.2	9.7	4.4	2.9	3.0	3.0	3.1	2.9
Transportation and public utilities.....	9.7	8.2	11.2	10.8	8.6	7.1	4.4	3.0	3.6	2.7	2.7	2.1
Wholesale and retail trade.....	9.2	8.4	6.7	7.6	8.1	6.8	5.1	3.4	3.3	2.9	2.0	2.3
Services.....	6.4	8.8	7.0	8.1	9.6	7.8	7.0	4.9	5.1	3.7	3.8	3.5
Nonmanufacturing, excluding construction.....	9.3	8.5	9.5	9.6	8.8	7.1	5.0	3.4	3.7	2.9	2.8	2.4
Effective wage change for workers receiving change.....					9.6	7.2	4.7	4.4	4.1	2.8	3.6	3.3
Source:												
Current settlements.....					9.8	7.4	2.8	3.0	3.4	1.6	2.9	3.1
Prior agreements.....					5.3	6.3	5.9	4.0	3.7	3.9	3.3	3.0
COLA.....					6.1	3.1	2.1	2.7	2.2	1.0	2.6	2.7
Total number of workers receiving wage change (mil.).....	(NA)	(NA)	(NA)	(NA)	8.6	7.9	6.5	6.2	5.6	5.4	5.4	4.7
Source (mil.):												
Current settlements.....					2.3	1.9	2.3	1.9	1.4	1.9	1.6	1.4
Prior agreements.....					6.3	4.8	3.3	3.7	3.4	2.8	3.5	2.6
COLA.....					4.5	3.8	2.3	2.5	2.3	1.4	1.3	1.3
Number of workers not receiving a wage change (mil.).....					.1	.5	1.2	1.1	1.4	1.2	1.0	1.3

NA Not available.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

**NO. 682. MAJOR COLLECTIVE BARGAINING SETTLEMENTS—AVERAGE PERCENT ADJUSTMENTS IN
WAGES AND COMPENSATION NEGOTIATED: 1975 TO 1988**

[In percent, except as indicated. Data represent private nonfarm industry settlements affecting production and related workers in manufacturing and nonsupervisory workers in nonmanufacturing industries. Wage data cover units with 1,000 workers or more. Compensation data relate to units of 5,000 or more. Data relate to contracts negotiated in each calendar year but exclude possible adjustments in wages under cost-of-living adjustment (COLA) clauses, except increases guaranteed by the contract. Includes all settlements, whether wages and benefits were changed or not. Minus sign (-) indicates decrease]

ADJUSTMENTS	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Compensation:												
First year.....	11.4	8.3	9.0	10.4	10.2	3.2	3.4	3.6	2.6	1.1	3.0	3.1
Over life of contract ¹	8.1	6.3	6.6	7.1	8.3	2.8	3.0	2.8	2.7	1.6	2.6	2.5
Wage-rates:												
All industries:												
First year.....	10.2	7.6	7.4	9.5	9.8	3.8	2.6	2.4	2.3	1.2	2.2	2.5
Contracts with												
COLA.....	12.2	6.9	6.2	8.0	8.0	2.2	1.9	2.9	1.6	1.9	2.3	2.4
Contracts without												
COLA.....	9.1	8.0	9.1	11.7	10.6	7.0	3.3	2.1	2.7	.9	2.1	2.7
Over life of contract ¹	7.8	6.4	6.0	7.1	7.9	3.6	2.8	2.4	2.7	1.8	2.1	2.4
Contracts with												
COLA.....	7.1	5.3	4.6	5.0	5.5	2.1	2.0	1.8	2.5	1.7	1.5	1.8
Contracts without												
COLA.....	8.3	7.1	8.0	10.3	8.8	6.6	3.7	2.7	2.8	1.8	2.5	2.8
Manufacturing:												
First year.....	9.8	8.3	6.9	7.4	7.2	2.8	.4	2.3	.8	-1.2	2.1	2.2
Over life of contract ¹	8.0	6.6	5.4	5.4	6.1	2.6	2.1	1.5	1.8	.2	1.3	2.1
Nonmanufacturing:												
First year.....	10.4	7.4	8.0	10.9	11.2	4.8	3.8	2.5	3.3	2.0	2.3	2.8
Over life of contract ¹	7.8	6.4	6.8	8.3	8.8	4.7	3.2	2.9	3.3	2.3	2.7	2.5
Number of workers affected (mil.).....	2.9	2.5	3.5	3.8	2.4	3.3	3.1	2.3	2.2	2.5	2.0	1.8
Manufacturing (mil.).....	.8	.6	1.9	1.6	.8	1.7	1.1	.9	.9	.6	.9	.7
Nonmanufacturing (mil.).....	2.1	2.0	1.6	2.2	1.6	1.6	2.0	1.4	1.3	1.9	1.1	1.1

¹ Average annual rate of change.

Source: U.S. Bureau of Labor Statistics, *Current Wage Developments*, monthly.

Occupational Injury and Illness

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**NO. 686. OCCUPATIONAL INJURY AND ILLNESS INCIDENCE RATES, SELECTED INDUSTRIES:
1980 TO 1987**

[Rates per 100 full-time employees. For nonfarm employment data, see table 662. Rates refer to any occupational injury or illness resulting in (1) fatalities, (2) lost workday cases, or (3) nonfatal cases without lost workdays. Incidence rates were calculated as: Number of injuries and illnesses or lost workdays divided by total hours worked by all employees during year multiplied by 200,000 as base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks a year). Based on the 1972 *Standard Industrial Classification (SIC) Manual*]

SIC code	INDUSTRY	TOTAL CASES ²			LOST WORKDAY CASES			NONFATAL CASES, NO LOST WORKDAYS			LOST WORKDAYS	
		1980	1985	1987	1980	1985	1987	1980	1985	1987	1985	1987
(x)	Private sector ³	8.7	7.9	8.3	4.0	3.6	3.8	4.7	4.3	4.4	64.9	69.9
A	Agriculture, forestry, fishing ³	11.9	11.4	11.2	5.8	5.7	5.7	6.1	5.6	5.5	91.3	94.1
B	Mining	11.2	8.4	8.5	6.5	4.8	4.9	4.6	3.6	3.6	145.3	144.0
10	Metal mining	8.6	6.1	7.8	5.6	3.3	4.3	3.4	2.7	3.3	133.5	123.0
11	Anthracite mining	13.8	8.7	9.7	6.5	7.0	7.5	5.2	1.5	2.2	445.8	290.5
12	Bituminous coal and lignite	10.1	6.6	11.6	8.3	5.1	8.1	1.8	1.5	3.4	199.2	228.3
13	Oil and gas extraction	13.4	10.1	8.3	6.7	5.3	4.1	6.6	4.8	4.4	143.8	139.6
14	Nonmetallic minerals, exc. fuels	5.4	3.9	5.9	3.6	2.6	3.6	1.8	1.3	2.3	87.3	67.8
C	Construction	15.7	15.2	14.7	6.5	6.8	6.8	9.1	8.4	7.9	128.9	135.8
15	General building contractors	15.5	15.2	14.2	6.5	6.8	6.5	8.0	8.4	7.7	120.4	134.0
16	Heavy construction contractors	16.3	14.5	14.5	6.3	6.3	6.4	9.9	8.1	6.1	127.3	139.1
17	Special trade contractors	15.5	15.4	15.0	6.7	7.0	7.1	8.8	8.4	7.9	133.3	135.7
D	Manufacturing	12.2	10.4	11.9	5.4	4.6	5.3	6.8	5.8	6.7	80.2	95.5
(x)	Durable goods	12.9	10.9	12.5	5.6	4.7	5.4	7.3	6.2	7.1	82.0	96.8
24	Lumber and wood products	18.6	18.5	18.9	9.5	9.3	9.6	9.1	9.2	9.3	171.4	176.5
25	Furniture and fixtures	16.0	15.0	15.4	6.6	6.3	6.7	9.4	8.7	8.7	100.4	103.6
32	Stone, clay, and glass products	15.0	13.9	14.9	7.1	5.7	7.1	7.9	7.2	6.1	127.8	135.8
33	Primary metal industries	15.2	12.6	17.0	7.1	5.7	7.4	8.1	6.8	9.6	113.8	145.8
34	Fabricated metal products	18.5	16.3	17.0	8.0	6.9	7.2	10.5	9.4	9.8	110.1	121.9
35	Machinery, exc. electric	13.7	10.8	11.3	5.5	4.2	4.4	8.2	6.6	6.9	69.3	72.7
36	Electric and electronic equipment	8.0	6.4	7.2	3.3	2.7	3.1	4.7	3.7	4.1	45.7	55.9
37	Transportation equipment	10.6	9.0	13.5	4.9	3.9	5.7	5.7	5.0	7.8	71.6	105.7
38	Instruments and related products	6.8	5.2	5.8	2.7	2.2	2.4	4.1	3.0	3.3	37.9	43.9
39	Miscellaneous	10.9	9.7	10.7	4.3	4.2	4.6	6.5	5.6	6.1	73.2	81.5
(x)	Nondurable goods	11.1	9.6	11.1	5.0	4.4	5.1	6.1	5.2	6.0	77.6	93.5
20	Food and kindred products	18.7	16.7	17.7	9.0	8.1	8.6	9.7	8.6	9.1	138.0	153.7
21	Tobacco manufactures	8.1	7.3	8.6	3.8	3.0	2.5	4.3	4.3	6.2	51.7	46.4
22	Textile mill products	9.1	7.5	9.0	3.3	3.0	3.6	5.8	4.5	5.4	57.4	65.9
23	Apparel and other textile products	6.4	6.7	7.4	2.2	2.6	3.1	4.2	4.1	4.3	44.1	59.5
26	Paper and allied products	12.7	10.2	12.8	5.8	4.7	5.8	7.9	6.5	7.0	94.6	122.3
27	Printing and publishing	6.9	6.3	6.7	3.1	2.9	3.1	3.9	3.5	3.6	49.2	55.1
28	Chemicals and allied products	6.8	5.1	7.0	3.1	2.3	3.1	3.7	2.8	3.9	38.8	58.8
29	Petroleum and coal products	7.2	5.1	7.3	3.5	2.4	3.1	3.7	2.7	4.2	49.9	65.9
30	Rubber and misc. plastics products	15.5	13.4	15.9	7.4	6.3	7.6	8.1	7.1	8.2	107.4	130.8
31	Leather and leather products	11.7	10.3	12.4	5.0	4.6	5.8	6.7	5.7	6.7	88.3	114.5
E	Transportation, public utilities	9.4	8.6	8.4	5.5	5.0	4.9	3.8	3.6	3.5	107.1	108.1
40	Railroad transportation	11.1	8.4	7.1	7.2	5.8	5.3	3.8	2.6	1.8	92.0	86.3
41	Local passenger transit ⁴	9.5	9.4	9.2	5.2	5.4	5.5	4.3	3.9	3.6	120.7	139.4
42	Trucking and warehousing	14.9	13.9	12.3	9.0	8.5	7.6	5.9	5.4	4.7	210.1	188.7
44	Water transportation	14.2	13.0	12.9	8.4	7.2	7.5	5.7	5.8	5.4	249.1	284.3
45	Air transportation	13.3	13.1	14.3	8.2	7.4	7.8	5.1	5.7	6.4	116.3	134.5
46	Pipelines, except natural gas	5.2	3.7	(NA)	1.7	1.6	(NA)	3.5	2.1	(NA)	45.8	(NA)
47	Transportation services	4.7	3.9	3.4	2.5	2.2	2.0	2.2	1.7	1.4	42.6	41.3
48	Communication	2.8	2.9	2.8	1.6	1.6	1.6	1.2	1.3	1.3	24.2	26.4
49	Electric, gas, sanitary services	8.6	6.9	7.6	4.3	3.4	3.8	4.2	3.5	3.8	62.4	68.9
F, G	Wholesale and retail trade	7.4	7.4	7.7	3.2	3.2	3.4	4.2	4.2	4.3	50.7	56.1
F	Wholesale trade	8.2	7.2	7.4	3.9	3.5	3.7	4.3	3.6	3.7	59.8	64.0
G	Retail trade	7.1	7.5	7.8	2.9	3.1	3.3	4.2	4.4	4.5	47.0	52.9
H	Finance, insurance, real estate ⁵	2.0	2.0	2.0	.8	.9	.9	1.1	1.1	1.1	15.4	14.3
60	Banking	1.5	1.6	1.4	.6	.7	.6	.9	1.0	.9	10.7	6.5
62	Security, commodity brokers	.8	.6	(NA)	.3	.3	(NA)	.5	.4	(NA)	4.0	(NA)
63	Insurance carriers	1.7	1.8	1.8	.7	.8	.8	1.0	1.0	1.0	18.0	17.1
64	Insurance agents, brokers, and service	.8	.7	1.0	.3	.3	.5	.5	.4	.6	5.2	(NA)
65	Real estate	4.4	4.2	4.7	2.2	2.1	2.4	2.2	2.1	2.4	34.6	37.3
I	Services ⁵	5.2	5.4	5.5	2.3	2.6	2.7	2.9	2.8	2.8	45.4	45.8
70	Hotels and other lodgings	8.9	10.0	10.6	3.7	4.3	4.7	5.2	5.8	5.9	64.1	80.7
72	Personal services	2.9	2.9	3.1	1.3	1.5	1.6	1.6	1.5	1.6	28.4	27.5
73	Business services	4.4	4.7	4.6	2.1	2.2	2.3	2.3	2.5	2.3	46.6	38.0
75	Auto repair, services, and garages	7.5	6.5	6.7	3.3	3.2	3.1	4.2	3.3	3.6	51.5	52.6
76	Miscellaneous repair services	8.3	7.9	7.2	4.2	4.0	3.7	4.6	3.9	3.5	69.4	71.9
77	Motion pictures	4.7	4.1	2.8	1.6	1.6	1.1	3.1	2.8	1.7	31.7	16.1
79	Amusement, recreation services	9.2	8.2	8.7	3.8	3.5	4.1	5.4	4.6	4.6	51.2	64.4
80	Health services	6.4	7.1	7.2	3.1	3.6	3.7	3.3	3.5	3.5	63.2	66.7
81	Legal services	.4	.6	.6	.2	.3	.3	.2	.3	.3	7.3	4.3
82	Educational services	3.3	3.4	3.3	1.4	1.4	1.4	1.9	2.0	1.9	22.6	22.5
83	Social services	5.1	6.0	5.9	2.2	2.6	2.9	2.9	3.3	3.0	45.0	44.4
84	Museums, botanical, zoological gardens	7.5	6.0	6.1	3.3	2.7	3.1	4.1	3.3	3.0	39.3	38.4
86	Membership organizations	3.4	(NA)	(NA)	1.0	(NA)	(NA)	2.4	(NA)	(NA)	(NA)	(NA)
89	Miscellaneous services	1.6	1.7	1.6	.7	.7	.6	.9	1.0	.9	8.3	11.3

NA Not available. X Not applicable. ¹ Standard Industrial Classification; see text, section 13. ² "Cases" represents nonfatal cases without lost workdays. ³ Excludes farms with fewer than 11 employees. ⁴ Includes interurban. ⁵ Includes categories not shown separately.

Source: U.S. Bureau of Labor Statistics, *Occupational Injuries and Illnesses in the United States by Industry*, annual.

No. 687. U.S. MEMBERSHIP IN AFL-CIO AFFILIATED UNIONS, BY SELECTED UNION: 1979 TO 1989

[In thousands. Figures represent the labor organizations as constituted in 1989 and reflect past merger activity. Membership figures based on average per capita paid membership to the AFL-CIO for the 2-year period ending in June of the year shown and reflect only actively-employed members. Labor unions shown had a membership of 70,000 or more in 1989]

LABOR ORGANIZATION	1979	1985	1987	1989	LABOR ORGANIZATION	1979	1985	1987	1989
Total ¹	13,621	13,109	12,702	14,100	Hotel Employees and Restaurant Employees	373	327	293	278
Actors and Artists	75	100	95	97	Ironworkers	146	140	122	111
Automobile, Aerospace and Agriculture (UAW)	(x)	974	998	917	Laborers	475	383	371	406
Bakery, Confectionery and Tobacco	131	115	109	103	Letter Carriers (NALC)	151	186	200	201
Boiler Makers, Iron Shipbuilders ²	129	110	90	75	Machinists and Aerospace (IAM) ³	688	537	521	517
Bricklayers	106	95	84	84	Office and Professional Employees	83	90	86	84
Carpenters ²	626	616	617	613	Oil, Chemical, Atomic Workers (OCAW)	146	108	96	71
Clothing and Textile Workers (ACTWU) ²	308	228	195	180	Painters	160	133	128	128
Communication Workers (CWA)	485	524	515	492	Paperworkers Int'l.	262	232	221	210
Electrical Workers (IBEW)	825	791	765	744	Plumbing and Pipefitting	228	226	220	220
Electronic, Electrical and Salaried ^{2,4}	243	198	185	171	Postal Workers	245	232	230	213
Operating Engineers	313	330	330	330	Retail, Wholesale Department Store	122	106	140	137
Firefighters	150	142	142	142	Rubber, Cork, Linoleum, Plastic	158	106	97	92
Food and Commercial Workers (UFCW) ²	1,123	989	1,000	999	Seafarers	84	80	80	80
Garment Workers (ILGWU)	314	210	173	153	Service Employees (SEIU) ^{2,5}	537	688	762	762
Glass, Molders, Pottery, and Plastics ²	50	104	97	86	Sheet Metal Workers	120	108	108	108
Government, American Federation (AFGE)	236	199	157	156	State, County, Municipal (AFSCME) ⁶	889	997	1,032	1,090
Graphic Communications ²	171	141	136	124	Steelworkers	964	572	494	481
					Teachers (AFT)	423	470	499	544
					Teamsters ⁶	(x)	(x)	(x)	1,161
					Transit Union	94	94	94	96
					Transport Workers	85	85	85	85
					Transportation/Communications Int'l.	127	102	113	86

X Not applicable. ¹ Includes other AFL-CIO affiliated unions, not shown separately. ² Figures reflect mergers with one or more unions since 1979. For details see source. ³ Includes Blacksmiths, Forgers and Helpers. ⁴ Includes Machine and Furniture Workers. ⁵ Excludes Hospital and Health Care Employees which merged into both unions on June 1, 1989, (membership of 23,000 in 1985, 60,000 in 1987, and 58,000 in 1989). ⁶ Includes Chauffeurs, Warehousemen and Helpers.

Source: American Federation of Labor and Congress of Industrial Organizations, Washington, DC, *Report of the AFL-CIO Executive Council*, annual.

No. 688. U.S. UNION MEMBERSHIP IN MANUFACTURING, BY STATE: 1984 TO 1988

[Data represent annual average, dues-paying full-time equivalent membership derived from financial records. Excludes unemployed members. In general, annual per capita revenues received by the parent organization were divided by the per capita rate to yield membership. For unions with multiple dues structures or other structures, other methods were used. See source for details. A right-to-work State has laws which prohibit collective bargaining contracts from including clauses requiring union membership as a condition of employment. Data for DC not available]

STATE	MANUFACTURING—UNION MEMBERSHIP (1,000)			PERCENT OF EMPLOYED ¹			STATE	MANUFACTURING—UNION MEMBERSHIP (1,000)			PERCENT OF EMPLOYED ¹		
	1984	1987	1988	1984	1987	1988		1984	1987	1988	1984	1987	1988
U.S.	5,285.9	4,883.6	4,771.1	27.3	25.8	24.9	MO	179.2	141.2	136.5	41.3	34.1	32.4
AL ²	72.2	59.8	57.4	20.1	16.7	15.3	MT	5.6	5.1	5.2	24.9	23.8	25.0
AK	4.3	4.0	3.7	38.1	29.6	25.5	NE ³	11.1	9.0	9.1	12.3	10.6	9.9
AZ ²	9.2	7.6	7.2	5.3	4.1	3.8	NV ²	1.6	1.6	1.5	7.6	6.8	6.2
AR ²	28.6	28.4	27.3	13.4	13.0	12.0	NH	9.9	8.6	8.2	8.0	7.2	6.7
CA	510.5	494.9	488.4	24.7	23.8	22.6	NJ	184.9	168.1	165.6	25.4	24.7	24.8
CO	21.2	19.6	18.8	10.9	10.7	10.0	NM	5.6	4.2	4.2	15.3	10.8	10.4
CT	70.2	60.9	58.7	16.9	15.6	15.6	NY	668.2	612.8	588.0	50.4	50.3	48.2
DE	13.8	14.3	14.1	19.6	20.7	20.5	NC ²	41.4	41.5	39.7	5.0	4.9	4.6
FL ²	43.3	47.6	48.2	8.6	9.1	8.9	ND ²	2.1	1.8	1.7	13.6	11.5	10.4
GA ²	77.3	70.9	67.8	14.1	12.4	11.9	OH	469.0	460.1	450.4	41.6	42.1	40.9
HI	9.0	9.5	9.1	41.3	43.0	41.4	OK	30.6	27.2	26.9	17.5	17.1	17.1
ID ²	7.3	5.0	4.9	13.3	9.3	8.6	OR	49.9	46.3	45.2	24.8	23.0	21.4
IL	407.7	317.8	314.8	40.9	34.2	33.3	PA	457.1	434.8	428.3	40.7	41.9	40.7
IN	248.7	250.9	237.8	40.1	41.3	37.6	RI	13.0	13.2	12.8	10.7	11.0	11.1
IA ²	65.3	48.9	46.8	30.8	23.1	20.8	SC ²	14.6	13.2	11.8	3.9	3.6	3.1
							SD ²	1.1	.9	.8	3.8	3.1	2.7
							TN ²	78.4	69.6	67.2	15.8	14.0	13.5
KS ²	22.6	21.1	20.6	12.8	11.8	11.4	TX ²	159.8	144.0	142.6	15.9	15.0	15.1
KY	69.6	63.9	62.8	27.0	24.8	23.0	UT ²	6.8	5.1	4.9	7.2	5.5	5.0
LA ²	36.8	34.9	34.5	20.2	20.8	20.4	VT	5.5	4.4	4.1	11.2	8.9	8.3
ME	23.8	20.4	20.1	21.5	19.8	18.7	VA ²	48.5	53.1	52.1	11.5	12.5	12.2
MD	71.2	62.9	62.0	32.5	30.3	30.0	WA	99.7	94.1	93.6	34.6	30.0	28.2
MA	128.8	117.1	115.8	19.2	19.4	19.9	WV	34.9	29.1	25.7	39.1	33.6	29.8
MI	487.8	502.2	500.6	50.7	51.9	53.6	WI	161.4	138.9	133.3	31.1	28.7	24.3
MN	96.2	71.8	70.1	25.7	19.3	18.1	WY ²	1.6	1.5	1.3	20.0	18.5	15.9
MS ²	19.0	19.8	19.0	8.7	8.8	8.1							

¹ Employed in manufacturing. ² Right-to-work State. ³ Right-to-work State beginning 1987.

Source: Grant/Thornton, Chicago, IL, *Manufacturing Climate Study*, annual (prepared by Leo Troy).

Union Members

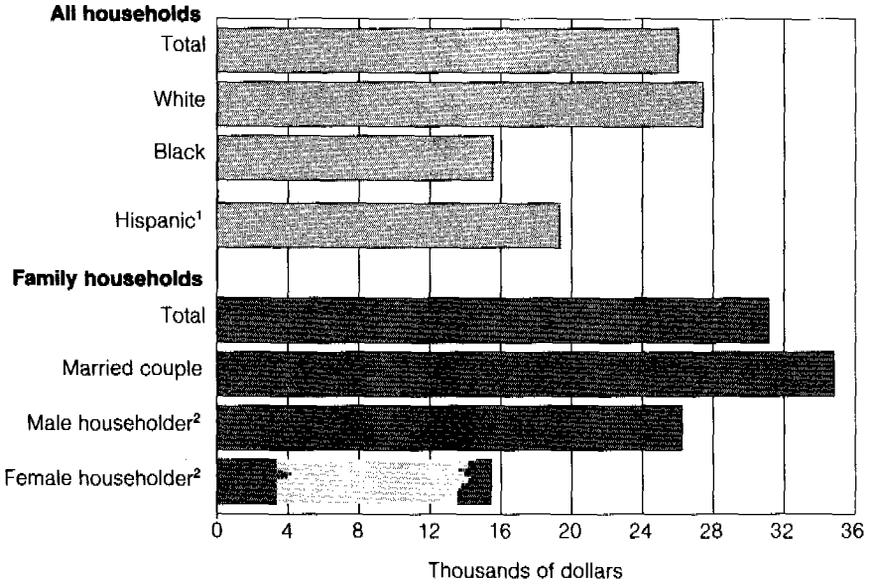
NO. 689. UNION MEMBERS, BY SELECTED CHARACTERISTICS: 1983 AND 1988

[Annual averages of monthly data. Covers employed wage and salary workers 16 years old and over. Excludes self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers. Based on Current Population Survey, see text, section 1 and Appendix 1f]

CHARACTERISTIC	EMPLOYED WAGE AND SALARY WORKERS																	
	Total (1,000)		Union members ¹ (1,000)		Represented by unions ² (1,000)		Percent union members		Percent represented by union		Total		Union members ¹		Represented by unions ²		Not represented by unions	
	1983	1988	1983	1988	1983	1988	1983	1988	1983	1988	1983	1988	1983	1988	1983	1988	1983	1988
Total	86,290	101,407	17,002	17,002	20,532	19,241	20.1	16.8	23.3	19.0	313	385	388	430	383	476	288	356
16-24 years	19,305	19,488	1,749	1,206	2,145	1,457	9.1	6.2	11.1	7.5	210	249	281	312	275	309	203	242
25-34 years	25,979	30,688	5,097	4,578	5,223	4,523	14.9	14.9	23.1	17.0	321	383	382	453	376	447	304	365
35-44 years	24,362	28,484	5,178	5,382	5,953	5,184	21.2	21.2	28.6	24.0	369	449	411	504	407	501	339	419
45-54 years	19,752	22,834	4,107	2,106	4,107	2,106	20.8	20.8	30.3	25.7	366	452	404	507	402	505	335	415
55-64 years	9,204	10,237	2,354	2,168	2,571	2,354	25.3	25.3	30.3	25.7	366	452	404	507	402	505	335	415
65 years and over	1,934	2,182	186	184	234	223	9.0	9.0	12.1	10.5	260	323	338	451	350	437	238	288
Men	47,856	53,912	11,609	11,019	13,270	12,132	24.7	20.4	27.7	22.4	416	449	416	506	414	500	349	416
Women	40,433	47,495	5,908	5,982	7,262	7,109	14.6	12.6	18.0	15.0	309	340	307	399	307	399	237	300
White	77,048	87,176	14,844	13,932	17,182	15,759	19.3	16.0	22.3	18.1	319	394	396	488	391	484	295	368
Men	42,168	46,763	10,134	9,294	11,364	10,210	24.0	19.9	26.9	21.8	387	465	423	513	421	512	362	432
Women	34,877	40,393	4,710	4,638	5,818	5,549	13.5	11.5	16.7	13.7	254	318	314	410	313	406	240	305
Black	6,979	11,176	2,440	2,639	2,888	2,712	22.9	21.7	25.9	21.7	281	314	311	417	324	413	222	279
Men	4,477	5,502	1,420	1,438	1,601	1,601	31.7	26.1	36.1	28.1	263	347	366	458	360	455	244	298
Women	4,502	5,674	1,020	1,201	1,287	1,111	22.7	19.8	27.4	22.9	231	268	292	374	287	369	208	263
Hispanic ³	7,823	9,120	1,220	1,220	1,353	1,353	15.5	15.5	17.7	17.7	290	307	307	307	307	307	307	307
Men	4,535	5,353	837	837	913	913	18.5	18.5	20.1	20.1	307	307	307	307	307	307	307	307
Women	3,088	3,088	384	384	440	440	12.4	12.4	14.3	14.3	280	280	280	280	280	280	280	280
Full-time workers	70,976	82,692	16,271	15,773	18,745	17,753	22.9	19.1	26.4	21.5	313	385	388	480	383	476	288	356
Part-time workers	17,314	18,716	1,446	1,229	1,787	1,488	8.4	6.6	10.3	8.0	100	100	100	100	100	100	100	100
Managerial and professional specialty	19,657	24,368	3,354	3,342	4,470	4,470	17.1	15.0	19.3	15.0	437	559	520	559	421	550	446	552
Technical sales, and admin. support	28,024	32,271	3,377	3,377	3,978	3,978	12.1	10.3	12.3	10.0	341	347	350	424	341	417	270	323
Service occupations	12,875	14,178	1,971	1,989	2,225	2,225	15.3	14.0	17.9	15.7	205	245	205	386	289	384	182	218
Precision, production, craft, and repair	10,542	11,766	3,184	3,760	3,374	3,229	26.9	26.9	35.7	28.7	377	430	456	536	450	531	322	388
Operators, fabricators, and laborers	15,416	17,010	5,452	4,815	5,839	5,105	35.4	28.3	37.9	30.0	275	313	366	436	361	429	226	273
Farming, forestry, and fishing	1,775	1,813	98	77	122	91	5.5	4.2	6.9	5.0	196	229	292	358	287	357	189	229
Agricultural wage and salary workers	1,446	1,492	49	30	55	35	3.4	2.0	3.8	2.4	108	200	198	200	198	200	105	206
Private nonagr. wage and salary workers	71,225	82,744	16,226	15,743	18,690	17,718	22.9	19.9	26.4	21.5	305	375	369	460	363	456	283	350
Mining	869	711	180	133	146	146	20.7	18.7	23.1	20.2	474	526	474	526	474	526	474	526
Construction	4,109	5,193	1,131	1,096	1,207	1,151	27.5	21.1	29.4	22.5	348	405	518	603	510	598	488	526
Manufacturing	19,066	20,430	5,303	4,501	5,812	4,854	27.8	22.1	30.5	23.8	335	402	370	443	368	440	315	385
Transportation and public utilities	5,142	6,053	2,182	2,001	2,376	2,144	42.4	33.1	46.2	35.4	417	488	449	530	445	525	366	446
Wholesale and retail trade, total	16,081	20,597	1,568	1,386	1,775	1,559	6.7	5.8	9.8	7.6	286	301	353	405	348	404	242	294
Finance, insurance, and real estate	5,559	6,812	1,160	1,178	1,298	1,298	20.8	19.8	25.6	21.1	286	301	301	384	380	485	384	485
Services	18,400	22,944	1,365	1,170	1,631	1,483	7.1	5.9	9.8	7.1	271	340	303	389	303	389	268	335
Government	15,618	17,175	5,795	5,298	7,109	7,483	36.7	36.7	45.5	43.6	444	444	444	489	381	485	316	397

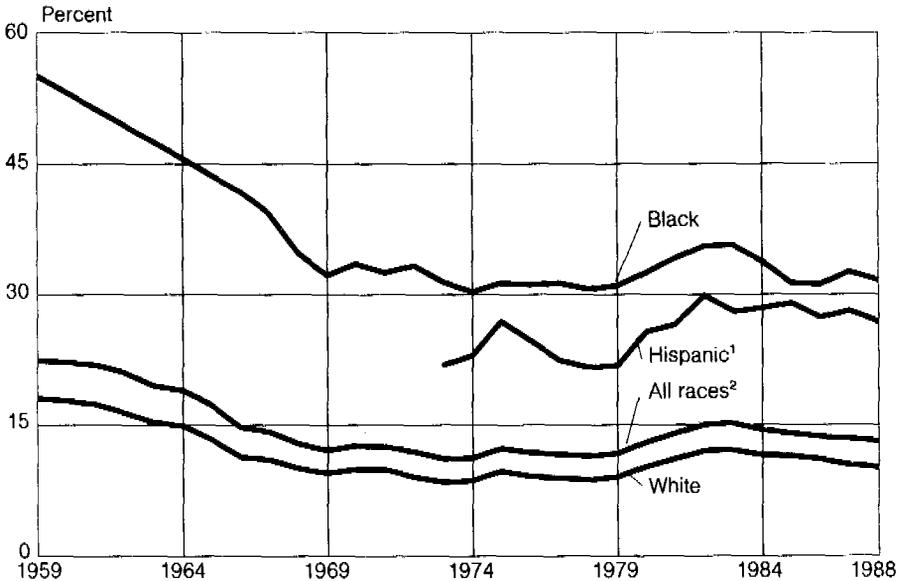
B Data not shown where base is less than 50,000. NA Not available. X Not applicable. ¹ Members of a labor union or an employee association similar to a labor union. ² Members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract. ³ For full-time employed wage and salary workers, 1983 revised since originally published. ⁴ Hispanic persons may be of any race. Source: U.S. Bureau of Labor Statistics, *Employment and Earnings*, January issues.

Figure 14.1
Median Household Income: 1988

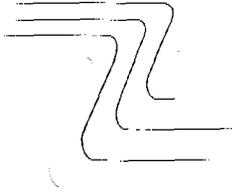


¹ Hispanic persons may be of any race. ² Spouse not present.
Source: Chart prepared by U.S. Bureau of the Census. For data, see table 720.

Figure 14.2
Persons Below the Poverty Level: 1959 to 1988



¹Hispanic persons may be of any race. ²Includes other races not shown separately.
Source: Chart prepared by U.S. Bureau of the Census. For data, see table 743.



Section 14

Income, Expenditures, and Wealth

This section presents data on gross national product (GNP), national and personal income, saving and investment, money income, poverty, and national and personal wealth. The data on income and expenditure measure two aspects of the U.S. economy. One aspect relates to the national income and product accounts (NIPA), a summation reflecting the entire complex of the Nation's economic income and output and the interaction of its major components; the other relates to the distribution of money income to families and individuals, or consumer income.

The primary source for data on GNP, national and personal income, and gross saving and investment is the *Survey of Current Business*, published monthly, with supplements, by the Department of Commerce, Bureau of Economic Analysis (BEA). A comprehensive revision to the NIPA was completed in December 1985. A discussion of the revision appears in the October 1985 and the December 1985 *Survey of Current Business*. Detailed historical data appear in *The National Income and Product Accounts of the United States, 1929-82, Statistical Tables* and the July 1986 issue of the *Survey of Current Business*; detailed data for the most recent years are normally published each July in the *Survey*.

Sources of income distribution data are the decennial censuses of population and the Current Population Survey (CPS), both products of the Bureau of the Census (see text, section 1). Annual data on income of families, individuals, and households, by income class, are presented in *Current Population Reports—Consumer Income*, series P-60.

Data on individuals' saving and assets are published by the Board of Governors of the Federal Reserve System in the quarterly *Flow of Funds Accounts*; and detailed information on personal wealth is published periodically by the Internal Revenue Service (IRS) in *SOI Bulletin*.

National income and product.—*Gross national product* (GNP) is the total national output of goods and services valued at market prices. GNP can be viewed in terms of expenditure categories which comprise purchases of goods and services by consumers and government, gross private domestic investment, and net exports of goods and services. The goods and services included are largely those bought for final use (excluding illegal transactions) in the market economy. A number of inclusions, however, represent imputed values, the most important of which is rental value of owner-occupied housing. GNP, in this broad context, measures the output attributable to the factors of production—labor and property—supplied by U.S. residents. GNP differs from "national income" mainly in that GNP includes allowances for depreciation and for indirect business taxes (sales and property taxes); see table 694.

Gross domestic product (GDP) measures the output of production attributable to all labor and property located in a country. GDP relates to the physical location of the factors of production. *Gross State product* (GSP) is the gross market value of the goods and services attributable to labor and property located in a State. It is the State counterpart of the Nation's gross domestic product.

National income is the aggregate of labor and property earnings which arises in the current production of goods and services. It is the sum of employee compensation, proprietors' income, rental income, corporate profits, and net interest. It measures the total factor costs of the goods and services produced by the economy. Income is measured before deduction of taxes on income.

Capital consumption adjustment for corporations, nonfarm sole proprietorships, and partnerships is the difference between capital consumption claimed on income tax returns and capital consumption allowances that are measured at straightline depreciation, consistent service lives, and replacement cost. The tax return data are valued at historical costs and reflect changes over time in service lives and depreciation patterns as permitted by tax regulations. *Inventory valuation adjustment* represents the difference between the book value of inventories used up in production and the cost of replacing them.

Personal income is the current income received by persons from all sources minus their personal contributions for social insurance. Classified as "persons" are individuals (including owners of unincorporated firms), nonprofit institutions serving individuals, private trust funds, and private noninsured welfare funds. Personal income includes transfers (payments not resulting from current production) from government and business such as Social Security benefits, public assistance, etc., but excludes transfers among persons. Also included are certain nonmonetary types of income—chiefly, estimated net rental value to owner—occupants of their homes and the value of services furnished without payment by financial intermediaries and food and fuel produced and consumed on farms.

Disposable personal income is personal income less personal tax and nontax payments. It is the income available to persons for spending and saving. Personal tax and nontax payments are tax payments (net of refunds) by persons (except personal contributions for social insurance) that are not chargeable to business expense, and certain personal payments to general government that are treated like taxes. Personal taxes include income, estate and gift, and personal property taxes and motor vehicle licenses. Nontax payments include passport fees, fines and penalties, donations, and tuitions and fees paid to schools and hospitals operated mainly by government.

Consumer Expenditure Survey.—The Consumer Expenditure Survey program was begun in late 1979. The principal objective of the survey is to collect current consumer expenditure data which provide a continuous flow of data on the buying habits of American consumers. The data are necessary for future revisions of the Consumer Price Index.

The survey conducted by the Bureau of the Census for the Bureau of Labor Statistics, consists of two components: (1) An interview panel survey in which the expenditures of consumer units are obtained in five interviews conducted every 3 months; and (2) a diary or recordkeeping survey completed by participating households for two consecutive 1-week periods.

Each component of the survey queries an independent sample of consumer units representative of the U.S. urban population. Over 52 weeks of the year, 5,000 consumer units are sampled for the diary survey. Each consumer unit keeps a diary for two 1-week periods yielding approximately 10,000 diaries a year. The interview sample is selected on a rotating panel basis, targeted at 5,000 consumer units per quarter. Data are collected in 85 urban areas of the country that are representative of the U.S. urban population. The survey includes students in student housing.

The Diary survey is designed to obtain expenditures on small, frequently purchased items which are normally difficult for respondents to recall. Detailed records of expenses are kept for food and beverages, both at home and in eating places, tobacco, housekeeping supplies, nonprescription drugs, and personal care products and services.

The Interview survey is designed to obtain data on the types of expenditures which respondents can be expected to recall for a period of 3 months or longer. In general, these include relatively large expenditures, such as those for property, automobiles, and major appliances, or expenditures which occur on a fairly regular basis, such as rent, utilities, or insurance premiums. Including "global estimates" for food, it is estimated that about 95 percent of expenditures are covered in the interview. Excluded are nonprescription drugs, household supplies, and personal care items. The interview survey also provides data on expenditures incurred while on trips. Both surveys exclude all business related expenditures for which the family is reimbursed.

In contrast to previous publications from the survey which have presented data from the diary and quarterly interview surveys separately, the tables in the most recently published *Consumer Expenditure Survey* combine, or integrate, data from the two surveys. Integration is necessary to permit analysis of total family expenditures because neither the diary nor quarterly interview survey was designed to collect a complete account of consumer spending.

Distribution of money income to families and individuals.—Money income statistics are based on data collected in various field surveys of income conducted since 1936. Since 1947, the Bureau of the Census has collected the data on an annual basis and published them in *Current Population Reports*, series P-60. In each of the surveys, enumerators interview representative samples of the population with respect to income received during the previous year. Money income as defined by the Bureau of the Census differs from the BEA concept of "personal income."

Data on consumer income collected in the CPS by the Bureau of the Census cover money income received (exclusive of certain money receipts such as capital gains) before payments for personal income taxes, Social Security, union dues, Medicare deductions, etc. Therefore, money income does not reflect the fact that some families receive part of their income in the form of non-cash benefits (see section 12) such as food stamps, health benefits, and subsidized housing; that some farm families receive noncash benefits in the form of rent—free housing and goods produced and consumed on the farm; or that noncash benefits are also received by some nonfarm residents which often take the form of the use of business transportation and facilities, full or partial payments by business for retirement programs, medical and educational expenses, etc. These elements should be considered when comparing income levels. For data on noncash benefits, see section 12. None of the aggregate income concepts (GNP, national income, or personal income) is exactly comparable with money income, although personal income is the closest.

Several changes were made in the collection and presentation of data from the March 1980 CPS. The changes include (1) the use of a more detailed income questionnaire for all sample households, (2) the use of an expanded sample, (3) the implementation of the "householder" concept rather than the traditional "head" concept, (4) the exclusion of a small number of "secondary families" from the count of all families, (5) the use of more detailed income intervals in the upper range of the income distribution, (6) the introduction of the new farm definition, and (7) the restriction of the population with income to persons 15 years old and over. For more information on the impact and comparability, see the source.

Beginning in the March 1981 Current Population Survey, 1980 census population controls were used; for income years 1971 through 1979, 1970 census population controls had been used. This change had little impact on income summary measures (means and medians) and proportional measures (percent distributions and poverty rates); however, use of the controls may have significant impact on the absolute numbers.

Income and poverty data for 1986 are the first estimates based entirely on households selected from the 1980 census-based sample design. Estimates by type of residence categories such as metropolitan, nonmetropolitan, farm, and nonfarm reflect metropolitan areas defined as of June 1984. In addition, the March 1987 CPS income supplement was revised to allow for the coding of larger earnings amounts on the questionnaire. A description of this change and its effect on estimates in this report can be found in *Current Population Reports*, series P-60, No. 157.

A new computer processing system was introduced to the March 1989 CPS income supplement. The system in use before this year was first introduced in 1976 but was never fully updated to reflect questionnaire changes. In addition, the programs used to process the CPS file were written in a language which is being phased out of Census. The March 1988 file was reprocessed based on the new procedures to better evaluate the new processing procedures and allow year to year comparisons to be made using a consistent processing system. A description of this change and its effect on estimates in this report can be found in *Current Population Reports*, series P-60, No. 166.

In October 1983, the Census Bureau began to collect data under the new Survey of Income and Program Participation (SIPP). The information supplied by this survey is expected to provide better measures of the status and changes in income distribution and poverty of households and persons in the United States. The data collected in SIPP will be used to study Federal and State aid programs (such as food stamps, welfare, Medicaid, and subsidized housing), to estimate program costs and coverage, and to assess the effects of proposed changes in program eligibility rules or benefit levels. The core questions are repeated at each interview and cover labor force activity, the types and amounts of income received, and participation status in various programs. The core also contains questions covering attendance in postsecondary schools and private health insurance coverage. Various supplements or topical modules covering areas such as educational attainment, assets and liabilities, and pension plan coverage are periodically included.

Poverty.—Families and unrelated individuals are classified as being above or below the poverty level using the poverty index originated at the Social Security Administration in 1964 and revised by Federal Interagency Committees in 1969 and 1980. The poverty index is based solely on money income and does not reflect the fact that many low-income persons receive noncash benefits such as food stamps, medicaid, and public housing. The index is based on the Department of Agriculture's 1961 economy food plan and reflects the different consumption requirements of families based on their size and composition. The poverty thresholds are updated every year to reflect changes in the Consumer Price Index. The following technical changes to the thresholds were made in 1981: (1) distinctions based on sex of householder have been eliminated; (2) separate thresholds for farm families have been dropped; and (3) the matrix has been expanded to families of nine or more persons from the old cutoff of seven or more persons. These changes have been incorporated in the calculation of poverty data beginning with 1981. The table on page 424 shows the average thresholds used for selected years between 1970 and 1988. See *Current Population Reports*, series P-60, Nos. 138, 149, 152, 157, 160, and 166 for more details.

WEIGHTED AVERAGE POVERTY LEVELS BASED ON MONEY INCOME FOR FAMILIES AND UNRELATED INDIVIDUALS: 1970 TO 1988

SIZE OF UNIT	1970 ¹	1975 ¹	1980 ¹	1982	1983	1984	1985	1986	1987	1988
1 person (unrelated individual).....	\$1,954	\$2,724	\$4,190	\$4,901	\$5,061	\$5,278	\$5,469	\$5,572	\$5,778	\$6,024
Under 65 years.....	2,010	2,797	4,290	5,019	5,180	5,400	5,593	5,701	5,909	6,155
65 years and over.....	1,861	2,581	3,949	4,626	4,775	4,979	5,156	5,255	5,447	5,674
2 persons.....	2,525	3,506	5,363	6,281	6,483	6,762	6,998	7,138	7,397	7,704
Householder under 65 years.....	2,604	3,617	5,537	6,487	6,697	6,983	7,231	7,372	7,641	7,958
Householder 65 years and over.....	2,348	3,257	4,983	5,836	6,023	6,282	6,503	6,630	6,872	7,159
3 persons.....	3,099	4,293	6,585	7,693	7,938	8,277	8,573	8,737	9,056	9,436
4 persons.....	3,968	5,500	8,414	9,862	10,178	10,609	10,989	11,203	11,611	12,092
5 persons.....	4,680	6,499	9,966	11,684	12,049	12,566	13,007	13,259	13,737	14,305
6 persons.....	5,260	7,318	11,269	13,207	13,630	14,207	14,696	14,986	15,509	16,149
7 or more persons.....	6,468	9,022	13,955	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
7 persons.....	(NA)	(NA)	(NA)	15,036	15,500	16,096	16,656	17,049	17,649	18,246
8 persons.....	(NA)	(NA)	(NA)	16,719	17,170	17,961	18,512	18,791	19,515	20,279
9 or more persons.....	(NA)	(NA)	(NA)	19,698	20,310	21,247	22,083	22,497	23,105	24,133

NA Not available. ¹ Poverty levels for nonfarm families.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 166.

In the recent past, the Bureau of the Census has published a number of technical papers that presented experimental poverty estimates based on income definitions that counted the value of selected government noncash benefits. The Census Bureau has also published annual reports on after-tax income. The *Current Population Reports*, series P-60, No. 164-RD-1 brings together the benefit and tax data that previously appeared in the separate reports. This report shows the distribution of income among households and the prevalence of poverty under the official definition of money income and under definitions that add income components or subtract taxes. The types of income that are included in one or more of the definitions: (1) money income excluding capital gains or lump—sum payments, (2) capital gains, (3) the value of employer contributions to health insurance plans, (4) the value of food stamps, (5) the subsidy value of school lunches, (6) the subsidy value of housing assistance, (7) the fungible values of Medicare and Medicaid coverage (that is, the benefits are counted as income to the extent that they free up resources that could have been spent on medical care), and (8) the imputed net return on equity in own home. The types of taxes accounted for are Federal and State income taxes and payroll taxes.

The poverty statistics generated by the Congressional Budget Office in table 750 reflect alternative adjustments for inflation. The study used a variation of the Consumer Price Index to adjust poverty thresholds for the effects of changing prices since 1967. The alternative measure of inflation uses estimates of the cost of renting equivalent housing to assess homeownership costs; this methodology has been used in the official Consumer Price Index since 1983. See text, section 15, and source for more details.

ADJUSTED POVERTY THRESHOLDS, WEIGHTED AVERAGE BY FAMILY SIZE: 1970 TO 1987

(Adjustments for inflation using the CPI-X1 have been made)

SIZE OF UNIT	1970	1975	1980	1982	1983	1984	1985	1986	1987
1 person (unrelated individual)	1,908	2,612	3,843	4,458	4,604	4,801	4,974	5,068	5,256
Under 65 years	1,963	2,682	3,935	4,566	4,713	4,912	5,088	5,186	5,375
65 years and over	1,818	2,475	3,623	4,208	4,345	4,529	4,690	4,780	4,954
2 persons	2,466	3,362	4,920	5,714	5,899	6,151	6,366	6,493	6,729
Householder under 65 years	2,544	3,469	5,079	5,901	6,093	6,352	6,578	6,706	6,951
Householder 65 years and over	2,293	3,124	4,571	5,309	5,480	5,715	5,916	6,031	6,251
3 persons	3,027	4,117	6,022	6,998	7,222	7,529	7,799	7,948	8,238
4 persons	3,876	5,275	7,719	8,972	9,260	9,651	9,997	10,191	10,563
5 persons	4,571	6,233	9,142	10,629	10,963	11,431	11,832	12,061	12,501
6 persons	5,138	7,016	10,335	12,015	12,401	12,924	13,369	13,633	14,130
7 or more persons	6,318	8,653	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
7 persons	(NA)	(NA)	11,706	13,679	14,103	14,642	15,152	15,509	16,075
8 persons	(NA)	(NA)	13,025	15,210	15,622	16,339	16,840	17,094	17,718
9 or more persons	(NA)	(NA)	15,499	17,920	18,479	19,328	20,089	20,465	21,212

NA Not available.

Source: Congressional Budget Office, *Trends in Family Income: 1970-1986*, February 1988 and Congressional Budget Office tabulations.

Personal wealth.—Personal wealth estimates, issued by the IRS, are based on a sample of Federal estate tax returns which must be filed for deceased persons. Estimates are weighted to adjust for age, sex, and "social class" (as determined by the IRS through insurance holdings). Gross estate is the gross value of all assets, including the full face value of life insurance (reduced by policy loans), before reduction by the amount of debts. The level of gross estate or gross assets required for filing estate tax returns increased from \$60,000 in 1972 to \$120,000 in 1976. Net worth is one's level of worth after all debts have been removed.

Statistical reliability.—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability pertaining to Census Bureau data, see Appendix III.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1970*. See Appendix IV.

Gross National Product

425

No. 690. GNP IN CURRENT AND CONSTANT (1982) DOLLARS: 1929 TO 1988

[In billions of dollars]

ITEM	1929	1935	1940	1945	1950	1955	1960	1965	1970
CURRENT DOLLARS									
Gross national product (GNP)	103.9	72.8	100.4	213.4	288.3	405.9	515.3	705.1	1,015.5
Personal consumption expenditures	77.3	55.8	71.0	119.6	192.1	257.9	330.7	440.7	640.0
Durable goods.....	9.2	5.1	7.8	8.0	30.8	38.9	43.5	63.5	85.7
Nondurable goods.....	37.7	29.3	37.0	71.9	98.2	124.7	153.2	191.9	270.3
Services.....	30.4	21.3	26.2	39.7	63.2	94.3	134.0	185.4	284.0
Gross private domestic investment	16.7	6.6	13.4	11.3	55.1	69.7	78.2	116.2	148.8
Fixed investment.....	14.9	5.6	11.2	12.3	48.3	64.0	75.1	106.2	145.7
Nonresidential.....	11.0	4.3	7.7	10.6	27.8	39.0	48.8	73.1	105.2
Residential.....	4.0	1.3	3.5	1.7	20.5	25.0	26.3	33.1	40.5
Change in business inventories.....	1.7	1.1	2.2	-1.0	6.8	5.7	3.1	9.9	3.1
Net exports of goods and services	1.1	3.1	1.8	-5	2.2	3.0	5.9	9.7	8.5
Exports.....	7.1	3.4	5.4	7.4	14.5	21.1	29.9	42.9	68.9
Imports.....	5.9	3.2	3.7	7.9	12.3	18.1	24.0	33.2	60.5
Government purchases¹	8.9	10.2	14.2	83.0	38.8	75.3	100.6	138.6	218.2
Federal.....	1.5	3.1	6.1	74.8	19.1	44.9	54.4	68.7	98.8
National defense.....	(NA)	(NA)	2.3	73.7	14.3	39.0	45.3	51.0	76.8
State and local.....	7.4	7.2	8.1	8.2	19.8	30.3	46.1	69.9	119.4
CONSTANT (1982) DOLLARS									
Gross national product (GNP)	709.6	580.2	772.9	1,354.8	1,203.7	1,494.9	1,665.3	2,087.6	2,416.2
Personal consumption expenditures	471.4	412.1	502.6	592.7	733.2	873.8	1,005.1	1,236.4	1,492.0
Durable goods.....	40.3	28.9	40.6	28.7	80.7	96.9	98.0	134.6	162.5
Nondurable goods.....	211.4	201.5	259.4	323.5	352.8	413.2	463.3	543.2	632.5
Services.....	219.7	181.7	202.7	240.5	299.8	366.6	443.9	558.5	697.0
Gross private domestic investment	139.2	60.9	111.8	76.5	234.9	258.8	260.5	367.0	381.5
Fixed investment.....	128.4	54.7	97.4	84.9	210.8	243.5	252.7	341.8	373.3
Nonresidential.....	93.0	40.0	65.0	74.2	124.0	151.0	159.4	227.6	264.0
Residential.....	35.4	14.7	32.5	10.7	86.7	92.4	93.3	114.2	109.3
Change in business inventories.....	10.8	6.2	14.4	-8.4	24.2	16.3	7.7	25.2	8.2
Net exports of goods and services	4.7	-5.9	8.2	-18.9	4.7	-4.0	-4.0	-2.7	-30.0
Exports.....	42.1	26.6	40.0	35.2	59.2	76.9	98.4	132.0	178.3
Imports.....	37.4	32.5	31.7	54.1	54.6	78.9	102.4	134.7	208.3
Government purchases¹	94.2	113.0	150.2	704.5	230.8	351.3	403.7	487.0	572.6
Federal.....	18.3	34.1	63.6	634.0	116.7	217.9	220.6	244.4	268.3
National defense.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State and local.....	75.9	79.0	86.6	70.5	114.2	143.4	183.1	242.5	304.3

ITEM	1975	1980	1982	1983	1984	1985	1986	1987	1988
CURRENT DOLLARS									
Gross national product (GNP)	1,598.4	2,732.0	3,166.0	3,405.7	3,772.2	4,014.9	4,231.6	4,524.3	4,890.6
Personal consumption expenditures	1,012.8	1,732.6	2,050.7	2,234.5	2,430.5	2,629.0	2,797.4	3,010.8	3,235.1
Durable goods.....	135.4	219.3	252.7	289.1	335.5	372.2	406.0	421.0	455.2
Nondurable goods.....	416.2	681.4	771.0	816.7	867.3	911.2	942.0	998.1	1,052.3
Services.....	461.2	831.9	1,027.0	1,128.7	1,227.6	1,345.6	1,449.5	1,591.7	1,727.6
Gross private domestic investment	219.6	437.0	447.3	502.3	664.8	643.1	659.4	699.9	750.3
Fixed investment.....	225.2	445.3	471.8	509.4	597.1	631.8	652.5	670.6	719.6
Nonresidential.....	162.9	322.8	366.7	356.9	416.0	442.9	435.2	444.3	487.2
Residential.....	62.3	122.5	105.1	152.5	181.1	188.8	217.3	226.4	232.4
Change in business inventories.....	-5.6	-8.3	-24.5	-7.1	67.7	11.3	6.9	29.3	30.6
Net exports of goods and services	31.1	32.1	26.3	-6.1	-58.9	-78.0	-97.4	-112.6	-73.7
Exports.....	161.3	351.0	361.9	352.5	363.5	370.9	396.5	448.6	547.7
Imports.....	130.3	318.9	335.6	358.7	422.4	448.9	493.9	561.2	621.3
Government purchases¹	335.0	530.3	641.7	675.0	735.9	820.8	872.2	926.1	968.9
Federal.....	129.2	208.1	272.7	283.5	310.5	355.2	366.5	381.6	381.3
National defense.....	89.6	142.7	193.8	214.4	234.3	259.1	277.8	294.8	298.0
State and local.....	205.9	322.2	369.0	391.5	425.3	465.6	505.7	544.5	587.6
CONSTANT (1982) DOLLARS									
Gross national product (GNP)	2,695.0	3,187.1	3,166.0	3,279.1	3,501.4	3,618.7	3,717.9	3,853.7	4,024.4
Personal consumption expenditures	1,711.9	2,000.4	2,050.7	2,146.0	2,249.3	2,354.8	2,446.4	2,513.7	2,598.4
Durable goods.....	205.6	245.9	252.7	283.1	323.1	355.1	384.4	389.6	413.6
Nondurable goods.....	676.5	762.6	771.0	800.2	825.9	847.4	878.1	890.4	904.5
Services.....	829.8	991.9	1,027.0	1,062.7	1,100.3	1,152.3	1,183.8	1,233.7	1,280.2
Gross private domestic investment	383.3	509.3	447.3	504.0	658.4	637.0	639.6	674.0	715.8
Fixed investment.....	396.1	516.2	471.8	510.4	596.1	627.9	634.1	650.3	687.9
Nonresidential.....	281.2	379.2	366.7	361.2	425.2	453.5	438.4	455.5	493.8
Residential.....	114.9	137.0	105.1	149.3	170.9	174.4	195.7	194.8	194.1
Change in business inventories.....	-12.8	-6.9	-24.5	-6.4	62.3	9.1	5.6	23.7	27.9
Net exports of goods and services	18.9	57.0	26.3	-19.9	-84.0	-104.3	-129.7	-115.7	-74.9
Exports.....	259.7	388.8	361.9	348.1	371.8	367.2	397.1	450.9	530.1
Imports.....	240.8	332.0	335.6	368.1	455.8	471.4	526.9	566.6	605.0
Government purchases¹	580.9	620.5	641.7	649.0	677.7	731.2	761.8	781.8	785.1
Federal.....	226.3	246.9	272.7	275.1	290.8	326.0	334.1	339.6	328.9
National defense.....	161.1	171.2	193.8	206.9	218.5	232.2	252.1	265.2	261.5
State and local.....	354.6	373.6	369.0	373.9	387.0	405.2	427.5	442.1	456.2

- Represents zero. NA Not available. ¹ Purchases of goods and services.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July issues.

NO. 691. GROSS NATIONAL PRODUCT, BY INDUSTRY, IN CURRENT AND CONSTANT (1982) DOLLARS:
1980 to 1987

[In billions of dollars, except percent. Revised 1986-1987 and new 1988 data not available by industry, therefore with not agree with other GNP tables. Data include non-factor charges (capital consumption allowances and indirect business taxes, etc.) as well as factor charges against gross product; corporate profits and capital consumption allowances have been shifted from a company to an establishment basis]

INDUSTRY	CURRENT DOLLARS			CONSTANT (1982) DOLLARS				Average annual percent change		
	1980	1986	1987	1980	1985	1986	1987	1980-1985	1985-1986	1986-1987
	Gross national product	2,732.0	4,240.3	4,526.7	3,187.1	3,618.7	3,721.7	3,847.0	2.6	2.8	3.4
Domestic industries (gross domestic product)	2,684.4	4,205.4	4,497.2	3,131.7	3,581.9	3,690.9	3,821.4	2.7	3.0	3.5
Private industries	2,357.3	3,715.6	3,970.0	2,739.5	3,183.1	3,281.6	3,405.8	3.0	3.1	3.9
Agriculture, forestry, and fisheries.....	77.2	92.6	94.9	76.2	93.8	97.2	96.1	4.2	3.6	-1.1
Farms.....	65.5	75.4	75.9	64.2	79.4	83.7	82.5	4.3	5.4	-1.4
Mining.....	107.3	82.1	85.4	135.6	130.1	115.7	117.5	-8	-11.1	1.6
Construction.....	137.7	204.0	218.5	161.6	165.4	173.1	175.8	5	4.7	1.6
Manufacturing ¹	581.0	820.1	853.6	665.4	786.8	804.6	839.5	3.4	2.3	4.3
Durable goods ¹	351.8	466.1	480.0	401.5	493.7	505.0	525.2	4.2	2.3	4.0
Lumber and wood products.....	18.7	24.7	27.7	20.4	20.1	21.5	23.5	-3	7.0	9.3
Furniture and fixtures.....	8.6	14.0	15.0	10.2	12.2	11.9	12.5	3.6	-2.5	5.0
Stone, clay, and glass products.....	19.0	25.9	27.5	21.1	22.6	22.2	23.1	1.4	-1.8	4.1
Primary metal industries.....	44.3	33.7	36.4	46.4	34.2	34.3	34.3	-5.9	-3	-
Fabricated metal products.....	48.0	58.1	60.3	52.5	58.8	56.7	58.5	1.6	-2	3.2
Machinery, except electrical.....	78.9	80.7	81.2	84.6	134.5	147.0	160.7	9.7	9.3	9.3
Electric and electronic equipment.....	55.0	83.6	85.0	62.7	79.7	80.3	82.5	4.9	8	2.7
Motor vehicles and equipment.....	26.7	51.4	49.9	33.7	50.9	44.9	40.3	8.6	-11.8	-10.2
Other transportation equipment.....	28.2	53.0	56.0	38.1	43.8	47.4	50.2	2.8	8.2	5.9
Instruments and related products.....	19.0	26.7	27.0	21.8	24.7	25.2	25.3	2.5	2.0	.4
Nondurable goods ¹	229.2	354.1	373.6	263.9	293.0	299.7	314.3	2.1	2.3	4.9
Food and kindred products.....	52.2	71.6	74.0	56.7	63.1	61.8	63.7	2.2	-2.4	3.4
Tobacco manufactures.....	7.3	13.8	15.5	9.5	6.9	6.9	7.2	-6.2	-	4.3
Textile mill products.....	15.0	19.2	20.0	16.1	16.3	17.5	17.8	-2	7.4	1.7
Apparel and other textile products.....	17.1	21.0	22.5	20.1	19.9	19.8	21.4	-2	-5	6.1
Paper and allied products.....	23.1	35.2	39.5	24.6	30.2	31.3	33.0	4.2	3.6	5.4
Printing and publishing.....	31.6	55.1	58.2	36.9	43.0	42.3	42.6	3.1	-1.6	.7
Chemicals and allied products.....	45.5	70.1	77.1	50.1	59.1	64.1	68.8	3.4	8.5	7.3
Petroleum and coal products.....	18.8	37.0	33.6	26.6	24.9	26.3	26.6	-1.4	5.6	1.1
Rubber and misc. plastic products.....	16.8	28.1	30.0	18.9	26.2	26.8	29.8	6.8	2.3	11.2
Leather and leather products.....	3.9	3.0	3.3	4.3	3.4	3.0	3.3	-4.6	-11.8	10.0
Transportation and public utilities.....	240.8	393.5	408.2	293.4	326.0	331.8	349.5	2.1	1.7	5.4
Transportation.....	105.8	144.5	150.8	129.5	125.4	129.0	136.0	-6	2.9	5.4
Railroad transportation.....	20.8	20.8	19.6	27.2	19.3	18.2	18.9	-6.6	-5.7	-7.1
Local and interurban passenger trans- it.....	5.4	8.0	8.1	7.0	6.3	6.4	6.6	-2.1	1.6	3.1
Trucking and warehousing.....	44.0	61.1	64.2	51.5	52.6	54.4	60.2	4.4	3.4	10.7
Water transportation.....	7.1	7.7	7.5	8.3	7.8	8.0	7.9	-1.2	2.6	-1.2
Transportation by air.....	18.1	29.7	34.2	23.1	24.4	26.6	28.4	1.1	9.0	6.8
Pipelines, except natural gas.....	4.7	5.9	5.3	5.1	4.9	5.0	5.1	-8	2.0	2.0
Transportation services.....	5.8	11.3	12.0	7.2	10.0	10.3	10.9	6.8	3.0	5.8
Communications.....	66.6	115.6	121.0	78.4	95.2	99.2	107.6	4.0	4.2	8.5
Telephone and telegraph.....	60.2	103.2	108.3	71.1	85.8	89.3	97.6	3.8	4.1	9.3
Radio and television broadcasting.....	6.3	12.4	12.7	7.3	9.4	9.9	10.1	5.2	5.3	2.0
Electric, gas, and sanitary services.....	68.4	133.3	136.4	85.5	105.3	103.4	105.9	4.3	-1.8	2.4
Wholesale trade.....	193.9	294.8	313.0	213.5	268.5	282.7	291.7	4.7	5.3	3.2
Retail trade.....	245.0	403.6	427.4	286.9	341.8	360.2	368.3	3.6	5.4	2.2
Finance, insurance, and real estate.....	400.6	708.6	775.4	464.3	524.3	537.6	559.4	2.5	2.5	4.1
Banking.....	51.1	80.6	84.9	56.7	61.9	62.9	63.2	1.8	1.6	.5
Credit agencies other than banks, and security and commodity brokers, and services.....	9.7	31.6	36.7	10.7	16.9	18.6	21.3	9.6	10.1	14.5
Insurance carriers.....	37.0	61.1	72.7	28.6	33.5	35.8	37.0	3.2	6.9	3.4
Insurance agents and brokers, and services.....	14.4	25.5	28.7	17.3	20.0	21.9	23.9	2.9	9.5	9.1
Real estate.....	281.5	479.4	519.3	339.6	376.0	380.8	394.8	2.1	1.3	3.7
Holding and other investment compa- nies.....	1.3	14.0	16.2	6.3	9.0	9.8	10.9	7.4	8.9	11.2
Services ¹	374.0	716.3	793.5	442.6	546.4	578.9	610.8	4.3	5.9	5.5
Hotels and other lodging places.....	18.9	32.7	35.8	22.6	23.5	23.4	24.3	8	-4	3.8
Personal services.....	18.8	32.2	34.4	22.2	25.4	26.4	27.1	2.7	3.9	2.7
Business services.....	68.8	161.6	179.3	84.0	120.8	129.8	139.7	7.5	7.5	7.6
Auto repair, services, and garages.....	21.1	36.1	38.9	24.0	30.1	31.7	32.5	4.3	5.3	3.8
Motion pictures.....	5.0	9.5	10.7	5.7	7.5	7.7	7.8	5.6	2.7	-1.3
Amusement and recreation services.....	12.4	21.8	24.0	13.7	17.9	18.9	20.3	5.5	5.6	7.4
Health services.....	108.1	199.1	223.7	129.4	158.9	165.7	176.9	4.2	4.3	6.8
Legal services.....	23.3	53.7	62.3	28.9	35.0	36.3	37.9	3.9	3.7	4.4
Educational services.....	16.0	27.2	29.6	18.1	21.5	21.6	22.4	3.5	5	3.7
Social services and membership organi- zations.....	26.3	41.7	45.3	30.2	33.3	34.7	35.9	2.0	4.2	3.5
Miscellaneous professional services.....	39.6	78.3	86.4	47.1	53.6	63.8	66.7	2.6	19.0	4.5
Private households.....	6.6	9.1	9.2	7.4	8.8	8.8	8.8	3.5	-	-
Government and government en- terprises	322.1	503.4	535.3	382.7	400.8	407.9	415.7	.9	1.8	1.9
Federal.....	114.7	173.8	181.3	138.3	146.5	147.1	148.8	1.2	.4	1.2
State and local.....	207.4	329.6	354.0	244.4	254.4	260.8	266.9	.8	2.5	2.3
Statistical discrepancy.....	4.9	-13.6	-8.1	5.9	-4.3	-12.1	-7.0	(NS)	(NS)	(NS)
Rest of the world	47.8	34.9	29.5	55.5	36.9	30.9	25.6	-7.8	-16.3	-17.2

- Represents zero. NS Not significant. ¹ Includes items not shown separately.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82, and Survey of Current Business*, July issues.

Gross National Product

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No. 692. GNP COMPONENTS—AVERAGE ANNUAL PERCENT CHANGE IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1988

[In percent. GNP = Gross national product. Minus sign (-) indicates decrease. For implicit price deflators and fixed-weighted price indexes, see tables 775 and 776, section 15]

ITEM	1970-1975	1975-1980	1980-1981	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988
CURRENT DOLLARS										
Gross national product	9.5	11.3	11.7	3.7	7.6	10.8	6.4	5.4	6.9	7.9
Personal consumption expenditures	9.6	11.3	10.5	7.1	9.0	8.8	8.2	6.4	7.6	7.4
Durable goods.....	9.6	10.1	9.4	5.3	14.4	16.0	10.9	9.1	3.7	8.1
Nondurable goods.....	9.0	10.4	9.7	4.1	5.9	6.2	5.1	3.4	6.0	5.4
Services.....	10.2	12.5	12.4	9.9	8.8	8.8	9.6	7.7	9.8	8.5
Gross private domestic investment	8.1	14.8	18.0	-13.2	12.3	32.4	-3.3	2.5	6.1	7.2
Fixed investment.....	9.1	14.6	10.4	-4.0	8.0	17.2	5.8	3.3	2.3	7.3
Nonresidential.....	9.1	14.7	14.4	-7	-2.7	16.6	6.5	-1.7	4.2	9.7
Residential.....	9.0	14.5	-2	-14.1	45.1	18.8	4.3	15.1	4.2	2.7
Exports of goods and services	18.5	16.8	9.1	-5.5	-2.6	8.8	-3.3	6.9	13.1	22.1
Imports of goods and services	16.6	19.6	9.4	-3.8	6.9	23.3	1.5	10.0	13.6	10.7
Government purchases of goods and services	9.0	9.6	10.9	9.1	5.2	9.0	11.5	6.3	6.2	4.6
Federal.....	5.5	10.0	16.4	12.6	4.0	9.5	14.4	3.2	4.1	-1
State and local.....	11.5	9.4	7.4	6.7	6.1	8.6	9.5	8.6	7.7	7.9
CONSTANT (1982) DOLLARS										
Gross national product	2.2	3.4	1.9	-2.5	3.6	6.8	3.4	2.7	3.7	4.4
Personal consumption expenditures	2.8	3.2	1.2	1.3	4.6	4.8	4.7	3.9	2.8	3.4
Durable goods.....	4.8	3.6	2.0	.8	12.0	14.1	9.9	8.3	1.4	6.2
Nondurable goods.....	1.4	2.4	.2	.9	3.8	3.2	2.6	3.6	1.4	1.6
Services.....	3.5	3.6	1.7	1.8	3.5	3.5	4.7	2.7	4.2	3.8
Gross private domestic investment	-1	5.8	7.1	-18.0	12.7	30.6	-3.3	.4	5.4	6.2
Fixed investment.....	1.2	5.4	1.1	-9.6	8.2	16.8	5.3	1.0	2.6	5.8
Nonresidential.....	1.3	6.2	4.2	-7.2	-1.5	17.7	6.7	-3.3	3.9	8.4
Residential.....	1.0	3.6	-7.7	-18.9	42.1	14.5	2.0	12.2	-5	-4
Exports of goods and services	7.8	8.4	1.0	-7.8	-3.8	6.8	-1.2	8.1	13.5	17.6
Imports of goods and services	2.9	6.6	3.4	-2.3	9.7	23.8	3.4	11.8	7.5	6.8
Government purchases of goods and services.....	.3	1.3	1.5	1.9	1.1	4.4	7.9	4.2	2.7	.4
Federal.....	-3.3	1.8	5.1	5.0	.9	5.7	12.1	2.5	1.6	-3.2
State and local.....	3.1	1.0	-9	-3	1.3	3.5	4.7	5.5	3.4	3.2

- Represents zero.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 693. GROSS NATIONAL PRODUCT, BY TYPE OF PRODUCT AND SECTOR: 1970 TO 1988

[In billions of dollars]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Gross national product	1,015.5	1,598.4	2,732.0	3,166.0	3,405.7	3,772.2	4,014.9	4,231.6	4,524.3	4,880.6
BY MAJOR TYPE OF PRODUCT										
Goods.....	467.8	714.7	1,174.9	1,319.1	1,396.1	1,581.4	1,641.2	1,686.7	1,785.2	1,931.9
Services.....	441.1	725.2	1,265.0	1,547.5	1,682.5	1,813.9	1,968.3	2,119.3	2,304.5	2,499.2
Structures.....	106.5	158.5	292.0	299.4	327.1	377.0	405.4	425.6	434.6	449.5
BY SECTOR										
Business.....	856.3	1,341.2	2,306.8	2,658.2	2,866.6	3,201.5	3,412.8	3,599.9	3,851.5	4,153.5
Households and institutions.....	32.4	52.0	89.3	112.7	122.9	132.7	142.3	153.5	169.3	188.0
Government.....	119.5	187.7	288.3	343.9	366.4	390.6	419.0	443.8	473.0	505.8
Rest of the world.....	7.3	17.5	47.6	51.2	49.9	47.4	40.7	34.4	30.5	33.3

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

**NO. 694. RELATION OF GNP, NET NATIONAL PRODUCT, NATIONAL INCOME, PERSONAL INCOME,
DISPOSABLE PERSONAL INCOME, AND PERSONAL SAVING: 1970 TO 1988**

(In billions of dollars. For definitions, see text, section 14)

ITEM	1970	1975	1980	1983	1984	1985	1986	1987	1988
Gross national product	1,015.5	1,598.4	2,732.0	3,405.7	3,772.2	4,014.9	4,231.6	4,524.3	4,880.6
Less: Capital consumption allowances ¹	88.8	161.8	303.8	396.6	415.5	437.2	460.1	486.7	513.6
Equals: Net national product ²	926.6	1,436.6	2,428.1	3,009.1	3,356.8	3,577.6	3,771.5	4,037.6	4,367.1
Less: Indirect business tax and nontax liability.....	94.0	140.0	213.3	282.6	313.9	333.6	348.9	367.8	393.5
Plus: Subsidies ³	2.9	2.4	5.7	14.1	9.9	7.2	12.8	17.6	18.5
Equals: National income ²	832.6	1,289.1	2,203.5	2,719.5	3,028.6	3,234.0	3,412.6	3,665.4	3,972.6
Less: Corporate profits ⁴	74.7	117.6	177.2	213.7	266.9	282.3	282.1	298.7	328.6
Net interest.....	41.2	83.8	200.9	281.0	304.8	319.0	325.5	351.7	392.9
Contributions for social insurance.....	62.2	118.5	216.5	291.0	324.9	354.1	379.2	400.8	444.6
Plus: Government transfer payments to persons.....	81.8	185.7	312.6	426.6	437.9	467.8	496.8	521.5	555.7
Personal interest income.....	69.3	122.5	271.9	393.1	444.7	478.0	493.2	523.2	571.1
Personal dividend income.....	22.2	28.7	52.9	68.7	75.5	78.7	85.8	92.0	102.2
Business transfer payments.....	4.1	7.4	12.1	16.0	18.7	22.0	24.6	26.7	29.0
Equals: Personal Income	831.8	1,313.4	2,258.5	2,838.6	3,108.7	3,325.3	3,526.2	3,777.6	4,064.5
Less: Personal tax and nontax payments.....	116.2	170.6	340.5	410.5	440.2	486.6	512.9	571.7	586.6
Equals: Disposable personal income	715.6	1,142.8	1,918.0	2,428.1	2,668.6	2,838.7	3,013.3	3,205.9	3,477.8
Less: Personal outlays.....	657.9	1,038.2	1,781.1	2,297.4	2,504.5	2,713.3	2,888.5	3,104.1	3,333.1
Equals: Personal saving	57.7	104.6	136.9	130.6	164.1	125.4	124.9	101.8	144.7

¹ With capital consumption adjustment. ² Includes items not shown separately. ³ Less current surplus of government enterprises. ⁴ With inventory valuation and capital consumption adjustments.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 695. SELECTED PER CAPITA INCOME AND PRODUCT ITEMS: 1929 TO 1988

(Based on Bureau of the Census estimated population including Armed Forces abroad; based on quarterly averages. Prior to 1960, excludes Alaska and Hawaii)

YEAR	CURRENT DOLLARS				CONSTANT (1982) DOLLARS		
	Gross national product	Personal income	Disposable personal income	Personal consumption expenditures	Gross national product	Disposable personal income	Personal consumption expenditures
1929.....	853	692	671	634	5,822	4,091	3,868
1930.....	740	613	593	568	5,218	3,727	3,569
1935.....	572	469	455	438	4,555	3,359	3,236
1940.....	760	587	568	538	5,850	4,017	3,804
1945.....	1,525	1,215	1,066	855	9,682	5,285	4,236
1950.....	1,900	1,504	1,368	1,267	7,935	5,220	4,834
1955.....	2,456	1,901	1,687	1,560	9,045	5,714	5,287
1960.....	2,851	2,265	1,986	1,829	9,213	6,036	5,561
1965.....	3,628	2,840	2,505	2,268	10,741	7,027	6,362
1970.....	4,951	4,056	3,489	3,121	11,781	8,134	7,275
1971.....	5,309	4,305	3,740	3,330	11,964	8,322	7,409
1972.....	5,777	4,676	4,000	3,609	12,426	8,562	7,725
1973.....	6,414	5,198	4,481	3,950	12,948	9,042	7,972
1974.....	6,886	5,657	4,855	4,285	12,760	8,867	7,826
1975.....	7,401	6,081	5,291	4,689	12,478	8,944	7,926
1976.....	8,175	6,655	5,744	5,178	12,961	9,175	8,272
1977.....	9,036	7,297	6,282	5,707	13,431	9,381	8,551
1978.....	10,105	8,141	6,968	6,304	13,993	9,735	8,808
1979.....	11,142	9,036	7,682	6,960	14,182	9,829	8,904
1980.....	11,995	9,916	8,421	7,607	13,994	9,722	8,783
1981.....	13,262	10,952	9,243	8,320	14,114	9,769	8,794
1982.....	13,614	11,485	9,724	8,818	13,614	9,725	8,818
1983.....	14,503	12,088	10,340	9,516	13,864	9,930	9,139
1984.....	15,913	13,114	11,257	10,253	14,771	10,419	9,489
1985.....	16,776	13,895	11,861	10,985	15,121	10,625	9,840
1986.....	17,511	14,592	12,469	11,576	15,385	10,905	10,123
1987.....	18,543	15,483	13,140	12,340	15,795	10,970	10,303
1988.....	19,810	16,497	14,116	13,131	16,334	11,337	10,546

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 696. NATIONAL INCOME, BY TYPE OF INCOME: 1970 TO 1988

[In billions of dollars]

TYPE OF INCOME	1970	1975	1980	1983	1984	1985	1986	1987	1988
National income	832.6	1,289.1	2,203.5	2,719.5	3,028.6	3,234.0	3,412.6	3,665.4	3,972.6
Compensation of employees.....	618.3	948.7	1,638.2	2,020.7	2,213.9	2,367.5	2,511.4	2,690.0	2,907.6
Wages and salaries.....	551.5	814.7	1,372.0	1,676.2	1,836.8	1,975.2	2,094.8	2,249.4	2,429.0
Government and government enter- prises.....	117.1	176.1	260.1	323.9	346.3	371.8	393.7	419.2	446.5
Other.....	434.3	638.6	1,111.8	1,352.3	1,492.5	1,603.4	1,701.1	1,830.1	1,982.5
Supplements to wages and salaries.....	66.8	134.0	266.3	344.5	375.1	392.4	416.6	440.7	478.6
Employer contributions for social insurance.....	34.3	68.0	127.9	170.9	192.2	204.8	217.3	227.8	249.7
Other labor income.....	32.5	65.9	138.4	173.6	182.9	187.6	199.3	212.8	228.9
Proprietors' income ¹	80.2	125.4	180.7	190.9	234.5	255.9	282.0	311.6	327.8
Farm.....	14.7	25.4	20.5	12.4	30.5	30.2	34.7	41.6	39.8
Nonfarm.....	65.4	100.0	160.1	178.4	204.0	225.6	247.2	270.0	288.0
Proprietors' income.....	66.0	102.2	164.3	167.3	182.4	194.6	210.0	238.9	259.2
Rental income of persons ²	18.2	13.5	6.6	13.2	8.5	9.2	11.6	13.4	15.7
Corporate profits ¹	74.7	117.6	177.2	213.7	266.9	282.3	282.1	298.7	328.6
Corporate profits ³	69.5	123.9	194.0	196.7	234.2	222.6	228.3	247.8	281.8
Profits before tax.....	76.0	134.8	237.1	207.6	240.0	224.3	221.6	266.7	306.8
Profits tax liability.....	34.4	50.9	84.8	77.2	93.9	96.4	106.3	124.7	137.9
Profits after tax.....	41.7	83.9	152.3	130.4	146.1	127.8	115.3	142.0	168.9
Dividends.....	22.5	29.6	54.7	71.5	79.0	83.3	91.3	98.7	110.4
Undistributed profits.....	19.2	54.3	97.6	58.9	67.0	44.6	24.0	43.3	58.5
Inventory valuation adjustment.....	-6.6	-11.0	-43.1	-10.9	-5.8	-1.7	6.7	-18.9	-25.0
Capital consumption adjustment.....	5.2	-6.2	-16.8	17.0	32.7	59.7	53.8	50.9	46.8
Net interest.....	41.2	83.8	200.9	281.0	304.8	319.0	325.5	351.7	392.9
Addenda:									
Corporate profits after tax ¹	40.3	66.7	92.4	136.5	173.0	185.9	175.8	174.0	190.7
Net cash flow ¹	69.8	133.5	219.1	307.7	348.5	371.2	370.4	378.4	402.0
Undistributed profits ¹	17.9	37.1	37.7	65.0	94.0	102.6	84.5	75.3	80.3
Capital consumption allowances ²	52.0	96.4	181.4	242.7	254.5	268.6	285.9	303.1	321.7
Less: Inventory valuation adjustment.....	-6.6	-11.0	-43.1	-10.9	-5.8	-1.7	6.7	-18.9	-25.0
Equals: Net cash flow.....	76.4	144.5	262.2	318.6	354.3	372.9	363.7	397.3	427.0

¹ With inventory valuation and capital consumption adjustments. ² With capital consumption adjustment. ³ With inventory valuation adjustment.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 697. NATIONAL INCOME, BY SECTOR: 1970 TO 1988

[In billions of dollars]

SECTOR	1970	1975	1980	1983	1984	1985	1986	1987	1988
National income	832.6	1,289.1	2,203.5	2,719.5	3,028.6	3,234.0	3,412.6	3,665.4	3,972.6
Domestic business.....	673.4	1,031.8	1,778.4	2,180.4	2,457.9	2,631.9	2,780.8	2,992.6	3,245.5
Corporate business.....	479.8	740.6	1,312.6	1,609.4	1,805.9	1,920.9	2,009.6	2,156.8	2,354.7
Compensation of employees.....	401.0	617.0	1,117.2	1,360.6	1,502.1	1,602.6	1,696.4	1,807.8	1,951.2
Corporate profits ¹	67.8	103.2	142.8	183.6	236.0	251.2	249.0	259.6	285.0
Net interest.....	11.0	20.4	52.5	65.2	67.8	67.1	64.2	89.3	118.6
Sole proprietorships and partnerships.....	135.0	205.8	318.0	361.2	421.7	459.2	502.9	548.2	580.4
Compensation of employees.....	49.2	65.8	102.2	118.5	131.6	141.8	152.1	169.3	185.8
Proprietors' income ¹	79.8	124.5	179.4	189.3	232.6	254.1	280.4	310.2	326.3
Net interest.....	6.0	15.5	36.5	53.4	57.6	63.3	70.4	68.7	68.3
Other private business ²	45.7	63.9	114.2	167.2	184.3	201.9	215.9	231.3	249.2
Compensation of employees.....	3.2	4.7	7.8	9.8	10.9	12.0	13.1	14.2	15.7
Proprietors' income ¹	4	9	13	1.6	1.9	1.7	1.6	1.4	1.5
Rental income of persons ³	18.2	13.5	6.6	13.2	8.5	9.2	11.6	13.4	15.7
Net interest.....	23.9	44.8	98.5	142.7	162.9	179.0	189.6	202.3	216.3
Government enterprises ⁴	13.0	21.5	33.5	42.6	46.1	49.9	52.4	56.4	61.1
Households and institutions ⁵	32.4	52.0	89.3	122.9	132.7	142.3	153.5	169.3	188.0
Government ⁴	119.5	187.7	288.3	366.4	390.6	419.0	443.8	473.0	505.8
Rest of the world.....	7.3	17.5	47.6	49.9	47.4	40.7	34.4	30.5	33.3

¹ With inventory valuation and capital consumption adjustments. ² Consist of all business activities reported on the individual income tax return in Schedule E—Supplemental Income Schedule; tax-exempt cooperatives; and owner-occupied nonfarm housing and buildings and equipment owned and used by nonprofit institutions servicing individuals, which are considered to be business activities selling their current services to their owners. ³ With capital consumption adjustment. ⁴ Compensation of employees. ⁵ Compensation of employees in private households; nonprofit social and athletic clubs; labor organizations; nonprofit schools and hospitals; religious, charitable, and welfare organizations; and all other nonprofit organizations serving individuals.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 698. PERSONAL CONSUMPTION EXPENDITURES, BY TYPE OF EXPENDITURE IN CURRENT DOLLARS: 1980 TO 1988

[In billions of dollars. Minus sign (-) indicates decrease]

TYPE OF EXPENDITURE	1980	1983	1984	1985	1986	1987	1988	AVERAGE ANNUAL PERCENT CHANGE	
								1980-1985	1985-1988
Personal consumption expenditures¹	1,732.6	2,234.5	2,430.5	2,629.0	2,797.4	3,010.8	3,235.1	8.7	7.2
Food and tobacco.....	369.9	450.1	479.0	503.8	533.6	564.8	596.6	6.4	5.8
Food purchased for off-premise consumption.....	242.3	290.4	305.8	322.7	339.1	353.7	372.6	5.9	4.9
Purchased meals and beverages ²	100.2	123.5	134.1	139.9	151.6	165.5	176.6	6.9	8.1
Tobacco products.....	20.8	28.2	30.5	32.2	33.6	35.6	36.9	9.1	4.6
Clothing, accessories, and jewelry ³	135.0	167.2	181.8	193.3	207.2	220.5	234.2	7.4	6.6
Shoes.....	16.9	20.2	21.6	22.9	24.3	25.7	26.8	6.3	5.4
Clothing and accessories.....	91.9	114.7	125.0	133.4	142.4	151.4	160.0	7.7	6.2
Jewelry and watches.....	15.4	18.0	19.9	20.5	22.8	24.2	25.1	5.9	7.0
Personal care.....	27.2	34.1	36.4	38.8	41.4	44.4	48.5	7.4	7.7
Housing ⁴	261.5	344.1	371.3	403.0	434.2	467.7	501.3	9.0	7.5
Owner-occupied nonfarm dwellings-space rent.....	178.3	233.9	252.3	272.7	293.7	317.1	339.3	8.9	7.6
Tenant-occupied nonfarm dwellings-rent.....	61.9	84.7	92.2	103.8	114.3	123.5	132.7	10.9	8.5
Rental value of farm dwellings.....	11.0	12.1	12.2	10.9	9.7	9.1	9.5	-2	-4.5
Household operation ⁵	233.1	294.1	316.9	334.1	347.5	363.0	386.4	7.5	5.0
Furniture ⁶	20.9	23.8	26.5	28.0	30.4	31.7	33.5	6.0	6.2
Somildurable house furnishings ⁷	10.0	10.3	13.3	14.0	15.2	15.8	16.6	7.0	5.8
Cleaning and polishing preparations.....	20.1	23.6	25.1	26.4	27.8	29.1	30.8	5.6	5.3
Household utilities.....	83.7	110.8	117.5	124.2	122.4	126.3	135.1	8.2	2.8
Electricity.....	37.2	51.0	55.4	59.3	60.7	63.1	66.4	9.8	3.8
Gas.....	19.1	29.0	29.4	29.6	26.6	25.4	27.3	9.2	-2.7
Water and other sanitary services.....	23.3	13.3	14.9	16.8	18.5	20.1	21.9	12.6	9.2
Fuel oil and coal.....	18.0	17.5	17.8	15.2	15.6	17.6	19.5	5	1.8
Telephone and telegraph.....	27.8	37.9	39.8	40.4	42.7	44.1	47.1	7.8	5.2
Medical care ⁸	187.7	268.7	298.4	327.5	357.6	399.3	443.0	11.8	10.6
Drug preparations and sundries ⁹	18.8	24.4	26.3	28.1	30.2	32.3	34.5	8.4	7.1
Physicians.....	42.0	61.1	67.1	73.5	80.6	93.8	105.0	11.8	12.6
Dentists.....	13.7	18.5	19.8	21.5	22.8	25.0	27.0	9.4	7.9
Privately controlled hospitals ¹⁰	82.0	119.6	130.6	140.2	152.4	166.3	182.3	11.3	9.1
Health insurance.....	12.3	16.0	19.0	21.6	22.4	25.9	29.8	11.9	11.3
Medical care ⁷	6.9	11.0	15.2	17.7	18.5	20.6	24.3	20.7	11.1
Personal business ¹¹	96.7	136.7	145.8	169.9	192.5	223.2	234.4	11.9	11.3
Expense of handling life insurance ¹²	19.7	27.0	30.6	35.8	37.0	42.3	45.4	12.7	8.2
Legal services.....	13.8	21.7	24.6	28.0	30.9	34.9	39.4	15.2	12.1
Funeral and burial expenses.....	4.4	5.2	5.6	6.3	6.6	7.0	7.6	7.4	6.5
Transportation.....	238.5	295.4	329.5	359.5	366.3	377.1	406.4	8.6	4.2
User-operated transportation ¹³	216.8	270.5	301.6	330.1	335.9	343.4	369.7	8.8	3.8
New autos.....	46.4	66.2	77.6	87.4	100.3	93.5	101.2	13.5	5.0
Net purchases of used autos.....	14.9	21.6	30.2	35.1	35.8	38.2	43.0	18.7	7.0
Tires, tubes, accessories, etc.....	16.7	21.9	23.3	25.2	26.5	28.7	31.3	8.6	7.5
Repair, greasing, washing, parking, storage, an.....	32.3	38.4	42.8	49.1	52.0	55.5	62.5	8.7	8.4
Gasoline and oil.....	83.7	90.2	90.0	90.6	73.5	75.2	76.8	1.6	-5.4
Purchased local transportation.....	5.8	6.5	6.9	7.2	7.8	8.2	8.4	4.4	5.3
Transit systems.....	2.4	3.1	3.4	3.6	3.9	4.0	4.1	8.4	4.4
Taxicab.....	3.1	2.9	3.0	3.1	3.3	3.5	3.8	-	7.0
Railway (commutation).....	3	4	5	5	6	7	5	10.8	-
Purchased intercity transportation ¹⁴	15.9	18.4	21.0	22.2	22.6	25.5	28.2	6.9	8.3
Bus.....	1.2	1.2	1.2	1.2	1.1	1.4	1.6	-	10.1
Airline.....	13.4	15.3	17.5	18.5	18.8	21.2	23.3	6.7	8.0
Recreation ¹⁵	115.0	152.1	168.3	185.7	201.2	224.5	246.8	10.1	9.9
Magazines, newspapers, and sheet music.....	10.4	12.0	12.7	13.2	13.9	15.2	16.0	4.9	6.6
Nondurable toys and sport supplies.....	14.6	18.0	19.7	21.1	23.1	26.2	28.1	7.6	10.0
Radio and television receivers, records, and musical instruments.....	19.9	28.2	31.5	37.0	38.8	42.5	48.8	13.2	9.7
Private education and research.....	27.2	35.8	39.1	43.3	46.6	51.1	58.0	9.7	10.2
Religious and welfare activities.....	36.8	47.8	52.6	57.1	62.9	68.2	76.1	9.2	10.0

- Represents zero. ¹ Includes other expenditures not shown separately. ² Consists of purchases (including tips) of meals and beverages from retail, service and amusement establishments, hotels, dining and buffet cars, schools, school fraternities, institutions, clubs, and industrial lunch rooms. ³ Includes mattresses and bedspreads. ⁴ Consist largely of textile house furnishings including piece goods allocated to house furnishing use. Also includes lamp shades, brooms, and brushes. ⁵ Excludes drug preparations and related products dispensed by physicians, hospitals, and other medical services. ⁶ Consists of (1) current expenditures (including capital consumption allowances with capital consumption adjustment) of nonprofit hospitals, sanitariums, and nursing homes, and (2) payments by patients to proprietary hospitals, sanitariums, and nursing homes. ⁷ Consist of (1) premiums, less benefits and dividends, for health, hospitalization and accidental death and dismemberment insurance provided by commercial insurance carriers, and (2) administrative expenses (including capital consumption allowances with capital consumption adjustment) of Blue Cross and Blue Shield plans and of other independent prepaid and self-insured health plans. ⁸ Consist of (1) operating expenses of life insurance carriers and private noninsured pension plans, and (2) premiums, less benefits and dividends, of fraternal benefit societies. Excludes expenses allocated by commercial carriers to accident and health insurance. ⁹ For additional details, see table 382.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-1982*, and *Survey of Current Business*, July issues.

NO. 699. PERSONAL CONSUMPTION EXPENDITURES, BY TYPE OF PRODUCT IN CONSTANT (1982)
DOLLARS: 1980 TO 1988

[In billions of dollars, except percent. Minus sign (-) indicates decrease]

TYPE OF PRODUCT AND SERVICE	1980	1983	1984	1985	1986	1987	1988	AVERAGE ANNUAL PERCENT CHANGE	
								1980-1985	1985-1988
								Personal consumption expenditures	2,000.4	2,146.0	2,249.3	2,354.8	2,446.4	2,513.7	2,598.4	3.3	3.3
Durable goods.....	245.9	283.1	323.1	355.1	384.4	427.5	413.6	7.6	5.2
Motor vehicles and parts ¹	103.8	126.8	148.0	164.4	176.2	168.8	179.2	9.6	2.9
New autos.....	51.2	64.5	73.5	80.4	88.4	79.5	84.4	8.4	1.6
Net purchases of used autos.....	21.0	19.8	24.8	29.9	30.6	32.7	31.9	6.6	4.2
Tires, tubes, accessories, etc.....	18.1	22.5	24.8	28.8	28.2	30.2	31.9	8.2	6.0
Furniture and household equipment ¹	95.4	106.1	118.4	131.0	142.9	152.3	164.8	6.5	8.0
Furniture, including mattresses and bedsprings.....	23.2	23.2	25.3	26.1	27.7	28.2	28.9	2.4	3.5
Kitchen and other household appliances.....	18.4	19.1	21.0	23.5	25.4	26.7	28.1	5.0	6.1
China, glassware, tableware, and utensils.....	10.6	11.0	12.0	12.7	13.6	13.8	14.3	3.7	4.0
Radio and television receivers ²	20.4	29.1	34.4	42.5	48.0	53.8	62.4	15.8	13.7
Other.....	46.7	50.2	56.7	59.7	65.3	68.5	69.6	5.0	5.2
Nondurable goods.....	762.6	800.2	825.9	847.4	878.1	890.4	904.5	2.1	2.2
Food.....	394.9	414.0	422.8	435.5	447.1	452.7	460.0	2.0	1.8
Food purchased for off-premise consumption.....	272.4	288.1	292.0	304.5	311.2	310.2	314.2	2.3	1.1
Purchased meals and beverages.....	115.1	118.2	122.9	123.0	127.8	134.2	137.4	1.3	3.8
Food furnished employees ³	7.5	7.7	7.9	8.1	8.1	8.2	8.4	1.6	1.2
Clothing and shoes.....	114.8	132.6	142.2	147.2	157.4	159.6	161.3	5.1	3.1
Shoes.....	18.3	20.1	21.2	22.2	23.7	24.3	24.1	3.9	2.8
Women's and children's clothing and accessories ⁴	61.5	74.9	81.2	84.0	90.9	90.9	92.0	6.4	3.1
Men's and boys' clothing and accessories ⁴	35.0	37.5	39.7	41.0	42.7	44.4	45.2	3.2	3.3
Gasoline and oil.....	88.4	93.2	94.5	94.4	97.5	95.9	97.1	1.3	.9
Fuel oil and coal.....	21.6	18.6	18.5	19.6	22.0	23.0	25.4	-1.9	9.0
Other nondurable goods ¹	142.9	141.8	147.8	150.7	154.2	159.2	160.7	1.1	2.2
Tobacco products.....	24.9	23.7	24.0	23.9	23.2	23.1	21.9	-8	-2.9
Toilet articles and preparations.....	19.6	19.2	20.0	20.5	21.0	21.9	22.4	.9	3.0
Semidurable house furnishings.....	11.6	11.5	12.0	12.3	13.1	13.1	13.6	1.2	3.4
Cleaning and polishing preparations, etc.....	23.4	22.9	23.8	24.0	24.8	25.1	25.7	.5	2.3
Drug preparations and sundries.....	23.0	22.5	22.6	22.5	22.2	22.8	22.7	-4	.3
Nondurable toys and sport supplies.....	15.9	18.0	19.9	21.3	23.2	25.8	26.5	6.0	7.6
Services.....	991.9	1,062.7	1,100.3	1,152.3	1,183.8	1,233.7	1,280.2	3.0	3.6
Housing ¹	312.5	325.4	333.0	341.7	348.2	358.4	366.1	1.8	2.3
Owner-occupied nonfarm dwellings-space rent.....	212.0	220.5	226.1	230.8	234.5	241.4	245.7	1.7	2.1
Tenant-occupied nonfarm dwellings-rent.....	73.6	79.8	81.8	86.3	89.4	92.4	95.6	3.2	3.5
Rental value of farm dwellings.....	14.3	12.5	12.1	11.7	11.4	11.1	10.8	-3.9	-2.6
Household operation ¹	142.6	146.2	148.8	151.6	151.9	156.7	164.1	1.2	2.7
Electricity.....	47.0	49.4	50.4	52.2	52.6	54.9	57.0	2.1	3.0
Gas.....	26.0	24.7	24.9	25.3	23.9	23.9	25.8	-5	.7
Water and other sanitary services.....	11.7	12.3	12.9	13.7	14.3	14.8	15.3	3.2	3.8
Telephone and telegraph.....	33.6	35.7	34.5	33.7	34.0	35.3	37.9	-1	4.0
Domestic service.....	7.6	8.4	9.1	9.2	9.2	9.2	9.3	3.9	.4
Transportation.....	77.4	71.4	75.9	82.1	86.2	89.6	94.5	1.2	4.8
User-operated transportation.....	48.0	47.0	50.0	54.7	56.2	57.8	61.8	2.6	4.2
Purchased local transportation ¹	7.5	6.4	6.4	6.5	6.7	6.7	6.6	-2.8	.5
Purchased intercity transportation ¹	21.9	18.0	19.5	20.9	23.3	25.0	26.1	-9	7.7
Railway (excluding commutation) ¹.....	.5	.5	.5	.5	.5	.5	.6	-	6.3
Bus.....	1.5	1.1	1.0	1.0	.8	.1	1.2	-7.8	6.3
Airline.....	18.7	15.1	16.5	17.8	20.3	21.7	22.4	-1.0	8.0
Medical care.....	200.6	222.3	232.0	240.9	251.5	266.8	278.2	3.7	4.9
Physicians.....	50.9	56.7	58.2	60.3	61.6	66.9	69.8	3.4	5.0
Dentists.....	16.2	17.4	17.2	17.5	17.6	18.1	18.3	1.6	1.5
Other professional services.....	16.6	21.8	26.0	29.3	32.1	36.2	39.8	12.0	10.7
Privately controlled hospitals and sanitariums.....	100.9	112.0	115.7	118.2	123.9	128.8	132.6	3.2	3.9
Health insurance.....	16.0	14.5	14.9	15.6	16.2	17.0	17.8	-5	4.5
Other ¹	258.8	297.4	310.7	336.0	346.0	362.3	377.4	5.4	3.9
Personal care ¹	25.0	26.6	27.0	27.9	28.9	30.1	33.3	2.2	6.1
Cleaning, storage, and repair of clothing and shoes.....	7.7	7.2	7.7	7.6	7.6	7.7	8.3	-3	3.0
Barbershops, beauty parlors, baths, and health clubs.....	12.4	13.2	13.3	13.8	14.3	15.0	16.4	2.2	5.9
Personal business ¹	111.2	124.4	127.4	138.9	146.0	151.1	154.4	4.5	3.6
Brokerage charges and investment counseling.....	9.0	11.8	11.3	15.5	20.5	20.2	20.5	11.5	9.8
Recreation.....	48.1	59.2	61.5	66.1	69.7	75.6	81.3	6.6	7.1
Private education and research ¹	31.8	34.3	35.8	38.3	40.0	42.2	45.7	3.8	6.1
Higher education.....	11.7	12.5	12.8	13.3	13.6	13.9	14.3	2.6	2.4
Elementary and secondary schools.....	10.8	11.3	11.6	12.3	12.6	13.0	13.4	2.6	2.9
Religious and welfare activities.....	42.0	46.4	49.3	52.4	56.0	58.4	62.0	4.5	5.8

- Represents zero. ¹ Includes expenditures not shown separately. ² Includes musical instruments and records. ³ Includes military and food produced and consumed on farms. ⁴ Except shoes.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 700. PERSONAL INCOME AND ITS DISPOSITION: 1970 TO 1988

[In billions of dollars, except percent. For definition of personal income, see text, section 14]

ITEM	1970	1980	1983	1984	1985	1986	1987	1988
Personal income	831.8	2,258.5	2,838.6	3,108.7	3,325.3	3,526.2	3,777.6	4,064.5
Wage and salary disbursements.....	551.5	1,372.0	1,676.6	1,838.6	1,975.4	2,094.8	2,249.4	2,429.0
Commodity-producing industries ¹	203.7	470.7	523.1	577.6	608.9	625.6	649.9	696.3
Manufacturing.....	158.4	355.6	397.4	439.1	460.9	473.2	490.3	524.0
Distributive industries ²	131.2	335.5	404.2	442.8	473.2	498.8	531.9	571.9
Service industries ³	99.4	305.6	425.1	472.1	521.3	576.7	648.3	714.4
Government and gov't enterprises.....	117.1	260.2	324.3	346.1	372.0	393.7	419.2	446.5
Other labor income.....	32.5	136.4	173.6	182.9	187.6	199.3	212.6	228.9
Proprietors' income ⁴	80.2	180.7	190.9	234.5	255.9	282.0	311.6	327.8
Rental income of persons ⁵	18.2	6.6	13.2	8.5	9.2	11.6	13.4	15.7
Personal dividend income.....	22.2	52.9	68.7	75.5	78.7	85.8	92.0	102.2
Personal interest income.....	69.3	271.9	393.1	444.7	478.0	493.2	523.2	571.1
Transfer payments.....	85.9	324.7	442.6	456.6	489.8	521.5	548.2	584.7
Old-age, survivors, disability, and health insurance benefits.....	38.5	154.2	221.7	235.7	253.4	269.2	282.9	300.5
Gov't unemployment insurance benefits.....	4.0	16.1	26.3	15.8	15.7	16.3	14.5	13.0
Veterans benefits.....	7.7	15.0	16.6	16.4	16.7	16.7	16.6	17.0
Gov't employees retirement benefits.....	10.2	43.0	58.7	61.4	66.8	70.9	76.4	82.7
Other transfer payments.....	25.6	96.4	119.3	127.3	137.3	148.3	157.9	171.5
Less: Personal contributions for social insurance.....	27.9	88.6	120.1	132.7	149.3	161.9	172.9	194.9
Less: Personal tax and nontax payments.....	116.2	340.5	410.5	440.2	486.6	512.9	571.7	586.6
Equals: Disposable personal income	715.6	1,918.0	2,428.1	2,668.6	2,837.7	3,013.3	3,205.9	3,477.8
Less: Personal outlays.....	657.9	1,781.1	2,297.4	2,504.5	2,713.3	2,888.5	3,104.1	3,333.1
Personal consumption expenditures.....	640.0	1,732.6	2,234.5	2,430.5	2,629.0	2,797.4	3,010.8	3,235.1
Interest paid by consumers to business.....	16.7	47.4	61.9	72.5	82.6	89.1	91.4	96.1
Personal transfer payments to foreigners (net).....	1.2	1.1	1.0	1.5	1.7	1.9	1.9	1.9
Equals: Personal saving	57.7	136.9	130.6	164.1	125.4	124.9	101.8	144.7
Percent of disposable personal income.....	8.1	7.1	5.4	6.1	4.4	4.1	3.2	4.2
Real disposable personal income ⁶	1,668.1	2,214.3	2,331.9	2,469.8	2,542.8	2,635.3	2,676.6	2,793.2
Average annual percent change ⁷	4.1	2.9	1.7	5.9	3.0	3.6	1.6	4.4
PERCENT DISTRIBUTION								
Personal income	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Wage and salary disbursements.....	66.3	60.7	59.1	59.1	59.4	59.4	59.5	59.8
Other labor income.....	3.9	6.1	6.1	5.9	5.6	5.7	5.6	5.6
Proprietors' income ⁴	9.6	8.0	6.7	7.5	7.7	8.0	8.2	8.1
Rental income of persons ⁵	2.2	3	5	3	3	3	4	4
Personal dividend income.....	2.7	2.3	2.4	2.4	2.4	2.4	2.4	2.5
Personal interest income.....	8.3	12.0	13.8	14.3	14.4	14.0	13.9	14.1
Transfer payments.....	10.3	14.4	15.6	14.7	14.7	14.8	14.5	14.4
Less: Personal contributions for social insurance.....	-3.4	-3.9	-4.2	-4.3	-4.5	-4.6	-4.6	-4.8

¹ Comprises agriculture, forestry, fisheries, mining, construction, and manufacturing. ² Comprises transportation; communication; electric, gas, and sanitary services; and trade. ³ Comprises finance, insurance, and real estate; services; and rest of world. ⁴ With capital consumption and inventory valuation adjustments. ⁵ With capital consumption adjustment. ⁶ 1982 dollars. ⁷ Represents average for period of intervals shown here; for 1970, change from 1965. For explanation of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 701. GROSS SAVING AND INVESTMENT: 1970 TO 1988

[In billions of dollars]

ITEM	1970	1975	1980	1982	1983	1984	1985	1986	1987	1988
Gross saving	154.7	238.7	445.0	446.4	463.6	568.5	533.5	525.3	553.8	642.4
Gross private saving.....	164.5	303.6	478.4	557.1	582.2	673.5	665.3	669.5	663.8	738.6
Personal saving.....	57.7	104.6	136.9	153.9	130.6	164.1	125.4	124.9	101.8	144.7
Undistributed corporate profits ¹	17.9	37.1	37.7	20.0	65.0	94.0	102.6	84.5	75.3	80.3
Undistributed profits.....	19.2	54.3	97.6	39.6	58.9	67.0	44.6	24.0	43.3	58.5
Inventory valuation adjustment.....	-6.6	-11.0	-43.1	-10.4	-10.9	-5.8	-1.7	6.7	-18.9	-25.0
Capital consumption adjustment.....	5.2	-6.2	-16.8	-9.2	17.0	32.7	59.7	53.8	50.9	46.8
Corporate CCA ²	52.0	96.4	181.4	235.0	242.7	254.5	268.6	285.9	303.1	321.7
Noncorporate CCA ²	36.9	65.4	122.4	148.2	153.9	160.9	168.7	174.2	183.6	191.9
Government surplus or deficit (-) ³	-10.6	-64.9	-34.5	-110.8	-128.6	-105.0	-131.8	-144.1	-110.1	-86.1
Federal.....	-12.4	-69.4	-61.3	-145.9	-176.0	-169.6	-196.9	-206.9	-161.4	-145.8
State and local.....	1.8	4.5	26.8	35.1	47.5	64.6	65.1	62.8	51.3	49.7
Capital grants received by the U.S. (net).....	.9	-	1.2	-	-	-	-	-	-	-
Gross investment	153.6	241.2	450.0	446.3	468.8	573.9	528.7	523.6	549.0	632.8
Gross private domestic investment.....	148.8	219.6	437.0	447.3	502.3	664.8	643.1	659.4	899.9	750.3
Net foreign investment.....	4.8	21.6	13.0	-1.0	-33.5	-90.0	-114.4	-135.8	-150.9	-117.5
Statistical discrepancy	-1.1	2.5	4.9	-1.1	5.2	5.4	-4.8	-1.8	-4.7	-9.6

- Represents zero. ¹ With inventory valuation and capital consumption adjustments. ² Capital consumption allowances with capital consumption adjustment. ³ National income and product accounts basis.

Source: U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

No. 702. GROSS STATE PRODUCT: 1980 TO 1986

[In millions of dollars, except percent. For definition of gross state product, see text, section 14. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease.]

DIVISION AND STATE	1980	1984	1985	1986	AVERAGE ANNUAL PERCENT CHANGE		
					1980-1984	1984-1985	1985-1986
U.S.	2,670,299	3,707,011	3,963,347	4,191,705	8.5	6.9	5.8
N. Eng.	138,413	206,107	225,201	245,850	10.5	9.3	9.2
ME.....	10,200	14,782	15,896	17,326	9.7	7.5	9.0
NH.....	9,326	14,846	16,585	18,518	12.3	11.7	11.7
VT.....	4,894	7,215	7,915	8,636	10.2	9.7	9.1
MA.....	65,057	96,980	106,148	115,526	10.5	9.5	8.8
RI.....	9,184	12,921	13,961	15,205	8.9	8.0	8.9
CT.....	39,752	59,363	64,696	70,639	10.5	9.0	9.2
Mid. Atl.	428,206	606,886	651,363	701,060	9.1	7.3	7.6
NY.....	214,143	311,727	336,071	362,736	8.8	7.8	7.9
NJ.....	88,516	131,776	142,302	154,765	10.5	8.0	8.8
PA.....	125,547	163,383	172,990	183,559	6.8	5.9	6.1
E. No. Cent.	480,519	624,118	662,480	700,852	6.8	6.1	5.8
OH.....	121,642	158,543	167,645	176,102	6.8	5.7	5.0
IN.....	59,050	76,086	80,262	84,922	6.5	5.5	5.8
IL.....	143,110	187,484	198,138	209,666	7.0	5.7	5.8
Mi.....	103,841	132,369	143,719	153,240	6.3	6.6	6.6
WI.....	52,876	69,636	72,716	76,922	7.1	4.4	5.8
W. No. Cent.	197,637	265,744	278,528	292,524	7.7	4.8	5.0
MN.....	48,846	67,250	71,183	75,626	8.3	5.8	6.2
IA.....	34,442	41,407	42,100	43,896	4.7	1.7	4.1
MO.....	53,142	74,493	79,220	83,534	8.8	6.3	5.4
ND.....	8,146	10,808	10,725	10,733	7.3	-	-1
SD.....	6,922	9,023	9,297	9,802	6.9	3.0	5.4
NE.....	18,073	24,268	25,639	26,521	7.6	5.6	3.4
KS.....	28,066	38,495	40,364	42,472	8.2	4.9	5.2
So. Atl.	388,303	573,331	621,755	671,591	10.2	8.4	8.0
DE.....	7,047	10,186	10,966	11,706	9.6	7.7	6.7
MD.....	44,912	64,485	70,580	76,504	9.5	8.5	8.4
DC.....	19,029	25,100	27,185	28,781	7.2	8.3	5.9
VA.....	58,634	87,589	95,369	104,155	10.6	8.9	9.2
WV.....	19,197	22,885	23,541	24,096	4.5	2.9	2.4
NC.....	58,876	87,748	93,821	100,961	10.5	6.9	7.6
SC.....	27,275	39,581	41,832	44,727	9.8	5.7	6.9
GA.....	55,503	86,213	94,121	102,922	11.6	9.2	9.4
FL.....	97,830	149,554	164,340	177,729	11.2	9.9	8.1
E. So. Cent.	136,285	191,066	201,532	212,300	8.4	5.6	5.3
KY.....	36,828	49,512	51,234	53,135	7.7	3.5	3.7
TN.....	45,018	63,207	67,560	72,328	8.9	6.9	7.1
AL.....	34,969	48,710	51,919	55,007	8.6	6.6	5.9
MS.....	21,470	29,637	30,819	31,830	8.4	4.0	3.3
W. So. Cent.	325,075	447,066	468,102	459,393	8.3	4.7	-1.9
AR.....	20,123	28,716	29,926	31,633	9.3	4.2	5.7
LA.....	62,166	79,034	79,719	74,426	6.2	.9	-6.6
OK.....	37,739	50,077	50,842	48,814	7.3	1.5	-2.0
TX.....	205,047	289,239	307,615	303,510	9.0	6.4	-1.3
Mt.	141,179	194,062	207,626	216,473	8.3	7.0	4.3
MT.....	9,525	11,726	11,543	12,163	5.3	-1.6	5.4
ID.....	9,670	12,289	13,027	13,170	6.2	5.9	1.1
WY.....	10,900	12,468	12,777	11,673	3.4	2.5	-8.6
CO.....	37,620	53,373	56,713	59,177	9.1	6.3	4.3
NM.....	16,442	22,665	23,887	23,603	8.4	5.4	-1.2
AZ.....	29,931	43,442	48,589	53,253	9.8	11.8	9.6
UT.....	15,121	21,739	23,172	24,008	9.5	6.6	3.6
NV.....	11,970	16,950	17,918	19,426	8.1	9.6	6.4
Pac.	432,680	598,629	646,759	691,672	8.5	8.0	6.9
WA.....	51,354	67,347	71,756	77,683	7.0	6.5	8.3
OR.....	30,219	36,882	38,922	41,278	5.1	5.5	6.1
CA.....	325,171	456,874	496,850	539,816	8.9	8.7	7.4
AK.....	12,860	20,802	21,237	19,575	12.8	2.1	-7.8
HI.....	13,076	16,724	17,994	19,320	6.3	7.6	7.4

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988.

NO. 703. GROSS STATE PRODUCT, BY INDUSTRY: 1986

[In millions of dollars. For definition of gross state product, see text, section 14]

DIVISION AND STATE	Total	Farms, forestry, and fisheries ¹	Mining	Construction	Manufacturing	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government ²
U.S.	4,191,705	92,993	95,281	197,876	824,302	391,444	294,566	407,927	694,965	700,180	492,151
N. Eng.	245,850	2,321	210	11,760	56,433	18,134	17,119	24,739	44,373	46,817	23,949
ME.....	17,326	397	7	1,079	3,663	1,619	1,031	1,989	2,826	2,505	2,210
NH.....	18,518	150	25	1,350	4,812	1,168	1,049	1,970	3,463	2,952	1,580
VT.....	8,636	274	23	538	1,981	691	478	873	1,572	1,373	834
MA.....	115,526	846	70	5,441	25,100	8,245	8,563	11,477	19,734	25,437	10,614
RI.....	15,205	170	10	403	3,696	1,028	972	1,617	2,715	2,771	1,924
CT.....	70,639	484	75	2,949	17,181	5,383	5,026	6,613	14,063	11,779	6,667
Mid. Atl.	701,060	5,527	2,471	29,954	131,048	68,821	56,360	60,449	138,900	134,723	72,779
NY.....	362,736	2,161	497	14,908	59,877	33,298	30,602	29,138	80,407	72,920	38,929
NJ.....	154,765	952	98	7,591	30,529	16,242	13,478	13,862	28,706	27,870	15,438
PA.....	183,559	2,414	1,876	7,455	40,642	19,281	12,300	17,449	29,787	33,942	18,412
E. No. Cent.	700,852	13,936	4,691	25,306	187,840	64,555	48,286	66,745	113,773	108,182	67,535
OH.....	176,102	2,348	1,441	5,583	51,421	16,308	11,445	17,258	27,058	26,725	16,535
IN.....	84,922	2,266	556	3,891	25,305	8,187	4,984	8,538	12,296	10,956	7,942
IL.....	209,666	3,943	1,599	8,630	42,277	22,637	17,771	19,690	36,728	36,856	19,732
MI.....	153,240	1,995	1,011	4,877	47,540	11,347	9,484	14,188	24,178	23,189	15,431
WI.....	76,922	3,384	84	2,345	21,297	6,076	4,602	7,071	13,513	10,656	7,995
W. No. Cent.	292,524	20,026	2,532	11,283	57,122	29,702	21,129	28,035	49,395	42,904	30,411
MN.....	75,626	3,575	406	2,763	15,813	6,851	6,022	7,282	13,829	11,667	7,416
IA.....	43,836	4,827	90	1,396	9,228	3,555	2,959	3,951	7,835	5,873	4,122
MO.....	83,534	2,197	293	3,458	18,912	9,155	5,873	8,707	13,042	13,484	8,413
ND.....	10,733	1,587	679	592	622	1,130	841	893	1,813	1,351	1,224
SD.....	9,802	1,557	117	375	977	932	615	1,016	1,718	1,326	1,167
NE.....	26,521	3,322	70	958	3,648	2,989	1,872	2,363	4,586	3,568	3,144
KS.....	42,472	2,961	877	1,721	7,922	5,090	2,947	3,823	6,572	5,635	4,925
So. Atl.	671,591	12,321	6,912	37,967	119,916	62,485	45,051	70,093	102,589	111,199	103,057
DE.....	11,706	251	2	595	3,325	912	657	984	2,129	1,616	1,284
MD.....	76,504	931	114	4,012	9,106	6,599	5,469	8,789	12,827	15,335	13,351
DC.....	28,791	6	7	1,991	1,050	1,805	532	1,274	2,675	8,251	11,199
VA.....	104,155	1,305	1,117	6,014	18,605	9,577	6,993	9,801	15,352	16,389	20,301
NC.....	24,096	225	3,177	1,153	3,485	3,287	1,232	2,253	3,509	3,008	2,766
WV.....	100,961	2,422	284	4,015	31,671	8,713	6,444	10,241	12,781	11,853	12,538
SC.....	44,727	613	103	1,790	11,949	3,781	2,586	4,066	5,786	5,571	7,573
GA.....	102,922	2,136	572	5,535	21,531	11,302	9,841	10,328	14,165	14,584	12,929
FL.....	177,729	4,432	1,536	12,892	19,194	16,518	12,587	21,477	33,365	34,592	21,136
E. So. Cent.	212,300	5,713	5,574	8,991	52,449	18,544	13,163	21,988	29,743	28,467	27,690
KY.....	53,135	1,910	3,007	2,621	12,764	4,641	2,643	5,127	7,909	6,356	8,158
TN.....	72,328	1,383	351	3,188	18,097	5,614	5,274	8,190	10,326	11,135	8,770
AL.....	55,007	1,331	1,389	1,754	12,918	5,569	3,606	5,249	7,240	7,397	8,554
MS.....	31,830	1,089	627	1,428	8,670	2,720	1,640	3,402	4,268	3,579	4,208
W. So. Cent.	459,383	10,478	49,322	23,815	73,270	50,105	32,214	43,067	63,654	63,283	50,174
AR.....	31,633	1,887	508	1,552	7,782	3,295	1,718	3,298	4,479	3,829	3,266
LA.....	74,426	904	12,516	3,905	9,670	8,297	4,263	6,595	11,027	9,755	7,492
OK.....	49,814	1,822	5,183	2,132	7,110	5,240	3,049	4,917	6,745	6,509	7,107
TX.....	303,510	5,865	31,115	16,226	48,708	33,273	23,184	28,257	41,403	43,190	32,289
Mt.	216,473	6,143	10,878	15,978	24,970	22,959	11,745	22,116	34,015	37,659	30,011
MT.....	12,163	1,009	889	1,022	881	1,488	693	1,046	2,008	1,607	1,551
ID.....	13,170	1,195	170	435	2,152	1,380	789	1,365	2,080	1,980	1,642
WY.....	11,673	219	3,079	1,379	331	1,584	403	766	1,621	906	1,385
CO.....	59,177	1,517	1,704	3,510	7,631	6,564	3,784	6,285	9,688	10,218	8,275
NM.....	23,603	513	3,181	1,576	1,881	2,428	958	2,214	3,389	3,502	3,961
AZ.....	53,253	1,122	683	5,330	7,172	4,646	2,802	6,131	8,909	9,045	7,413
UT.....	24,008	400	625	1,220	3,989	3,036	1,576	2,402	3,574	3,500	3,690
NV.....	19,426	168	548	1,505	933	1,834	790	1,907	2,746	6,901	2,094
Pac.	891,672	16,523	12,891	32,842	121,253	56,136	49,498	70,718	116,525	126,937	86,546
WA.....	77,683	2,841	174	4,468	13,416	6,681	6,243	8,330	12,167	11,687	11,696
OR.....	41,278	1,629	59	1,355	8,181	4,141	3,213	3,913	7,365	6,382	5,041
CA.....	533,816	11,282	5,927	23,855	97,680	41,928	38,711	55,216	93,790	103,397	62,029
AK.....	19,575	317	6,530	1,981	976	1,495	490	1,108	1,805	1,648	3,224
HI.....	19,320	454	2	1,183	1,000	1,911	841	2,151	3,398	3,823	4,556

¹ Includes agricultural services. ² Includes Federal civilian and military, State and local.Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, May 1988.

NO. 704. DISPOSABLE PERSONAL INCOME PER CAPITA IN CURRENT AND CONSTANT (1982) DOLLARS—STATES: 1980 TO 1988

[For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	CURRENT DOLLARS						CONSTANT (1982) DOLLARS			
	1980	1985	1987	1988	Income rank		1980	1985	1987	1988
					1980	1988				
U.S.	8,424	11,863	13,128	14,107	(x)	(x)	9,705	10,630	10,958	11,331
Region:										
Northeast.....	8,965	13,124	14,868	16,211	(x)	(x)	10,328	11,760	12,411	13,021
Midwest.....	8,407	11,634	12,838	13,702	(x)	(x)	9,686	10,425	10,716	11,005
South.....	7,614	10,769	11,869	12,737	(x)	(x)	8,772	9,650	9,908	10,231
West.....	9,245	12,703	13,840	14,773	(x)	(x)	10,651	11,383	11,553	11,866
New England	8,936	13,517	15,518	17,002	(x)	(x)	10,295	12,112	12,953	13,656
Maine.....	7,218	10,411	11,953	12,955	39	26	8,316	9,329	9,977	10,406
New Hampshire.....	8,523	13,469	15,763	17,049	15	4	9,819	12,069	13,158	13,694
Vermont.....	7,410	10,568	11,900	12,941	35	27	8,537	9,470	9,933	10,394
Massachusetts.....	8,926	13,677	15,874	17,456	13	3	10,283	12,255	13,250	14,021
Rhode Island.....	8,130	12,065	13,492	14,636	26	13	9,366	10,811	11,262	11,756
Connecticut.....	10,198	15,314	17,342	19,096	2	1	11,749	13,722	14,476	15,338
Middle Atlantic	8,974	12,991	14,645	15,939	(x)	(x)	10,339	11,641	12,225	12,802
New York.....	8,966	13,004	14,695	16,036	10	7	10,329	11,652	12,266	12,880
New Jersey.....	9,822	15,013	16,968	18,615	4	2	11,316	13,453	14,164	14,952
Pennsylvania.....	8,460	11,682	13,079	14,072	16	19	9,747	10,468	10,917	11,303
East North Central	8,544	11,734	12,982	13,929	(x)	(x)	9,843	10,514	10,836	11,188
Ohio.....	8,275	11,304	12,422	13,326	24	22	9,533	10,129	10,369	10,704
Indiana.....	7,874	10,665	11,986	12,834	31	29	9,071	9,556	10,005	10,308
Illinois.....	9,151	12,683	14,014	15,150	8	9	10,543	11,365	11,898	12,169
Michigan.....	8,622	11,876	13,193	14,094	14	18	9,933	10,642	11,013	11,320
Wisconsin.....	8,315	11,371	12,493	13,296	20	23	9,579	10,189	10,428	10,680
West North Central	8,076	11,397	12,497	13,162	(x)	(x)	9,304	10,212	10,432	10,572
Minnesota.....	8,410	11,891	13,193	14,037	17	20	9,689	10,655	11,018	11,275
Iowa.....	8,012	10,897	11,872	12,475	27	33	9,230	9,764	9,910	10,020
Missouri.....	7,954	11,449	12,614	13,340	28	21	9,164	10,258	10,529	10,715
North Dakota.....	7,339	10,608	11,364	11,388	37	38	8,455	9,505	9,486	9,147
South Dakota.....	7,322	10,030	11,208	11,611	38	37	8,435	8,987	9,356	9,326
Nebraska.....	7,873	11,350	12,179	12,773	32	32	9,070	10,170	10,166	10,259
Kansas.....	8,388	11,676	12,646	13,235	18	24	9,664	10,462	10,556	10,631
South Atlantic	7,782	11,286	12,751	13,735	(x)	(x)	8,965	10,113	10,644	11,032
Delaware.....	8,259	11,987	13,435	14,654	25	12	9,515	10,741	11,215	11,770
Maryland.....	8,942	13,418	15,026	16,397	12	5	10,302	12,023	12,543	13,170
District of Columbia.....	10,290	14,657	15,789	17,464	(x)	(x)	11,855	13,134	13,179	14,027
Virginia.....	8,295	12,290	13,980	15,050	23	10	9,558	11,004	11,669	12,068
West Virginia.....	8,773	9,803	9,820	10,306	46	49	7,803	7,888	8,033	8,278
North Carolina.....	6,810	9,891	11,355	12,259	45	34	7,856	8,883	9,478	9,847
South Carolina.....	6,505	9,219	10,321	11,102	48	41	7,494	8,261	8,615	8,917
Georgia.....	7,088	10,545	12,079	12,886	41	28	8,166	9,449	10,083	10,350
Florida.....	8,364	11,925	13,374	14,338	19	16	9,659	10,685	11,164	11,516
East South Central	6,692	9,175	10,384	11,180	(x)	(x)	7,710	8,221	8,668	8,980
Kentucky.....	6,952	9,276	10,321	11,081	43	42	8,009	8,312	8,615	8,900
Tennessee.....	6,991	9,798	11,353	12,212	42	35	8,054	8,780	9,477	9,809
Alabama.....	6,574	9,099	10,258	11,040	47	43	7,574	8,153	8,563	8,867
Mississippi.....	5,953	8,012	8,876	9,612	50	50	6,858	7,179	7,409	7,720
West South Central	7,920	10,896	11,346	12,051	(x)	(x)	9,124	9,783	9,471	9,680
Arkansas.....	6,479	9,169	9,924	10,670	49	47	7,464	8,216	8,284	8,570
Louisiana.....	7,406	9,836	10,191	10,890	36	44	8,532	8,814	8,507	8,747
Oklahoma.....	7,939	9,900	10,283	10,875	30	45	9,146	8,871	8,583	8,735
Texas.....	8,298	11,636	12,061	12,777	22	30	9,560	10,427	10,068	10,263
Mountain	8,096	10,963	11,880	12,570	(x)	(x)	9,327	9,823	9,917	10,096
Montana.....	7,692	9,674	10,745	11,264	33	39	8,862	8,668	8,969	9,047
Idaho.....	7,451	9,505	10,399	11,190	34	40	8,584	8,517	8,680	8,988
Wyoming.....	9,420	10,714	10,968	11,667	6	36	10,853	9,600	9,170	9,371
Colorado.....	8,944	12,552	13,404	14,110	11	17	10,304	11,247	11,189	11,333
New Mexico.....	7,138	9,691	10,238	10,752	40	46	8,224	8,684	8,546	8,636
Arizona.....	7,943	11,264	12,376	13,017	29	25	9,151	10,093	10,331	10,455
Utah.....	6,874	9,156	9,955	10,564	44	48	7,919	8,204	8,310	8,485
Nevada.....	9,714	12,431	13,684	14,799	5	11	11,191	11,139	11,431	11,887
Pacific	9,656	13,337	14,547	15,559	(x)	(x)	11,124	11,951	12,143	12,497
Washington.....	8,213	12,475	13,675	14,508	7	14	10,614	11,178	11,415	11,653
Oregon.....	8,304	10,793	11,704	12,776	21	31	9,567	9,671	9,770	10,262
California.....	9,875	13,735	14,995	16,036	3	8	11,377	12,307	12,517	12,880
Alaska.....	11,572	16,316	15,773	16,957	1	6	13,332	14,620	13,166	13,138
Hawaii.....	9,065	12,004	13,303	14,374	9	15	10,444	10,756	11,104	11,545

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues; and unpublished data.

NO. 705. PERSONAL INCOME IN CURRENT AND CONSTANT (1982) DOLLARS—STATES: 1980 TO 1988

[In billions of dollars, except percent. Represents a measure of income received from all sources during the calendar year by the residents of each State. Data exclude Federal employees overseas and, for 1980, U.S. residents employed by private U.S. firms on temporary foreign assignment. Totals may differ from those in tables 694, 695, and 700. See text, section 14. For composition of regions, see fig. 1, inside front cover. Minus sign (-) indicates decrease]

REGION, DIVISION, AND STATE	CURRENT DOLLARS				CONSTANT (1982) DOLLARS								
	1980	1985	1987	1988	Total				Average annual percent change ¹			Percent of U.S.	
					1980	1985	1987	1988	1980-1985	1985-1987	1987-1988	1980	1988
U.S.	2,254.1	3,317.5	3,766.1	4,053.0	2,596.9	2,972.7	3,143.6	3,255.4	2.7	2.8	3.6	100.0	100.0
Region:													
Northeast..	521.5	776.4	896.4	972.1	600.8	695.7	748.2	780.8	3.0	3.7	4.4	23.1	24.0
Midwest.....	584.4	803.3	897.2	957.4	673.3	719.8	748.9	769.0	1.3	2.0	2.7	25.9	23.6
South.....	877.4	1,032.4	1,163.7	1,252.3	780.4	925.1	971.4	1,005.9	3.5	2.5	3.6	30.1	30.9
West.....	470.8	705.5	808.8	871.2	542.3	632.2	675.1	699.7	3.1	3.3	3.6	20.9	21.5
N.E.	130.4	202.0	236.3	150.2	181.0	199.7	210.2	3.8	5.0	5.3	5.8	6.5	6.5
ME.....	9.3	13.9	16.6	18.2	10.7	12.4	13.9	14.6	3.1	5.6	5.6	4	4
NH.....	9.0	15.3	19.1	21.1	10.4	13.7	15.9	16.9	5.7	7.7	6.2	4	5
VT.....	4.4	6.6	7.8	8.5	5.1	5.9	6.5	6.9	3.2	4.8	5.2	2	2
MA.....	60.9	95.0	112.0	122.6	70.2	85.1	93.5	98.5	3.9	4.8	5.3	2.7	3.0
RI.....	9.0	13.3	15.5	16.8	10.4	11.9	12.9	13.5	2.8	4.0	4.3	4	4
CT.....	37.7	57.9	68.3	74.6	43.4	51.9	57.0	59.9	3.6	4.8	5.1	1.7	1.8
M.A.	391.1	574.4	657.1	710.4	450.8	514.7	548.5	670.6	2.7	3.2	4.0	17.4	17.5
NY.....	188.3	280.3	320.0	345.7	217.0	251.1	287.1	277.7	3.0	3.1	4.0	8.4	8.5
NJ.....	85.4	133.3	155.6	169.8	98.3	119.5	129.9	136.4	4.0	4.3	5.0	3.8	4.2
PA.....	117.4	160.8	181.5	194.8	135.3	144.1	151.5	156.5	1.3	2.5	3.3	5.2	4.8
E.N.C.	420.3	670.4	636.6	684.0	511.1	533.1	533.1	549.4	1.1	2.1	3.1	18.6	16.9
OH.....	105.0	142.0	157.6	168.6	121.0	127.2	131.6	135.4	1.0	1.7	2.9	4.7	4.2
IN.....	50.8	68.3	77.3	82.9	58.5	61.2	64.6	66.6	9	2.7	3.2	2.3	2.0
IL.....	124.0	170.0	189.9	204.1	142.8	152.3	158.5	163.9	1.3	2.0	3.4	5.5	5.0
MI.....	94.1	127.2	143.2	152.9	108.4	114.0	119.5	122.8	1.0	2.4	2.8	4.2	3.8
WI.....	46.4	62.9	70.5	75.4	53.5	56.4	58.9	60.5	1.1	2.2	2.8	2.1	1.9
W.N.C.	164.1	232.8	258.6	273.4	189.1	208.6	215.8	219.6	2.0	1.7	1.8	7.3	6.7
MN.....	41.1	59.3	67.0	71.8	47.4	53.1	55.9	57.7	2.3	2.6	3.1	1.8	1.8
IA.....	27.8	36.2	39.6	41.6	32.0	32.5	33.1	33.4	3	9	1.0	1.2	1.0
MO.....	45.8	66.7	74.7	79.4	52.7	59.8	62.4	63.8	2.5	2.1	2.3	2.0	2.0
ND.....	5.8	8.2	8.6	8.6	6.4	7.3	7.2	6.9	2.6	-1.0	-4.3	2	2
SD.....	5.7	7.8	8.8	9.1	6.5	7.0	7.4	7.3	1.4	2.5	-6	3	2
NE.....	14.6	20.8	22.5	23.7	16.8	18.6	18.6	19.0	2.1	3	1.3	6	6
KS.....	23.6	33.8	37.3	39.3	27.1	30.3	31.2	31.6	2.2	1.4	1.3	1.0	1.0
S.A.	340.6	535.0	628.1	682.5	392.4	479.4	524.3	548.2	4.1	4.6	4.6	15.1	16.8
DE.....	6.1	9.1	10.6	11.7	7.0	8.2	8.8	9.4	3.0	4.0	6.2	3	3
MD.....	45.6	70.2	82.6	90.1	52.5	62.9	69.0	72.3	3.7	4.7	4.9	2.0	2.2
DC.....	7.9	11.1	12.1	13.2	9.1	10.0	10.1	10.6	1.9	9	4.6	3	3
VA.....	52.8	82.5	97.8	106.3	60.8	73.9	81.6	85.4	4.0	5.1	4.6	2.3	2.6
WV.....	15.5	18.5	20.9	22.0	17.8	17.5	17.4	17.7	-4	-1	1.4	7	5
NC.....	47.2	73.0	85.6	92.8	54.4	65.4	71.4	74.6	3.8	4.5	4.4	2.1	2.3
SC.....	23.8	35.8	41.4	44.9	27.4	32.1	34.5	36.0	3.2	3.8	4.3	1.1	1.1
GA.....	45.8	75.4	89.6	96.8	52.8	67.6	74.8	77.7	5.1	5.2	3.9	2.0	2.4
FL.....	96.1	158.4	187.5	204.8	110.7	141.9	156.5	164.5	5.1	5.0	5.1	4.3	5.1
E.S.C.	113.9	160.9	183.9	197.5	131.2	144.2	153.5	158.7	1.9	3.2	3.4	5.1	4.9
KY.....	28.4	40.1	44.7	47.8	33.9	35.9	37.3	38.4	1.2	1.9	2.9	1.3	1.2
TN.....	37.0	53.6	63.0	67.9	42.8	48.1	52.6	54.5	2.5	4.6	3.7	1.6	1.7
AL.....	30.1	43.0	49.2	52.7	34.6	38.6	41.0	42.3	2.2	3.2	3.2	1.3	1.3
MS.....	17.5	24.2	27.0	29.1	20.2	21.7	22.6	23.4	1.4	2.1	3.7	8	7
W.S.C.	222.9	336.5	351.8	372.3	266.8	301.5	293.7	299.0	3.3	-1.3	1.8	9.9	9.2
AR.....	17.1	24.8	27.3	29.3	19.7	22.3	22.8	23.5	2.5	1.1	3.2	8	7
LA.....	36.7	50.7	51.2	54.2	42.3	45.4	42.7	43.5	1.4	-3.0	1.9	1.6	1.3
OK.....	28.6	40.2	41.1	43.2	32.9	36.1	34.3	34.7	1.8	-2.5	1.2	1.3	1.1
TX.....	140.5	220.7	232.3	245.6	161.9	197.8	193.9	197.3	4.1	-1.0	1.8	6.2	6.1
Mt.	108.1	162.5	182.0	194.0	124.6	145.6	151.9	155.9	3.2	2.1	2.6	4.8	4.8
MT.....	7.0	9.1	10.0	10.4	8.1	8.1	8.3	8.3	1	1.0	-1	3	3
ID.....	8.1	10.9	11.8	12.7	9.4	9.7	9.8	10.2	8	5	3.6	4	3
WY.....	5.4	6.5	6.3	6.5	6.2	5.9	5.2	5.2	-1.1	-5.4	-2	2	2
CO.....	30.8	47.5	51.6	54.4	35.5	42.6	43.1	43.7	3.7	8	1.3	1.4	1.3
NM.....	10.7	16.2	17.8	18.8	12.3	14.6	14.8	15.1	3.4	1.0	1.8	5	5
AZ.....	25.1	41.0	48.7	52.2	28.9	36.7	40.7	42.0	4.9	5.2	3.2	1.1	1.3
UT.....	11.7	17.5	19.4	20.6	13.5	15.7	16.2	16.5	3.1	1.5	2.4	5	5
NV.....	9.3	13.8	16.5	18.5	10.7	12.4	13.7	14.8	3.0	5.4	7.9	4	5
Pac.	362.6	543.0	626.8	677.1	417.8	486.5	523.2	543.9	3.1	3.7	4.0	16.1	16.7
WA.....	44.6	82.0	71.0	76.6	51.3	55.6	59.3	61.5	1.6	3.3	3.8	2.0	1.9
OR.....	26.1	34.0	37.9	41.2	30.0	30.4	31.6	33.1	3	1.9	4.6	1.2	1.0
CA.....	276.1	422.6	491.4	531.0	318.1	378.7	410.2	426.5	3.5	4.1	4.0	12.2	13.1
AK.....	5.6	9.8	9.7	10.0	6.5	8.8	8.1	8.0	6.4	-4.1	-5	2	2
HI.....	10.3	14.6	16.8	18.4	11.8	13.1	14.1	14.8	2.0	3.7	5.1	5	5

¹ For definition of average annual percent change, see Guide to Tabular Presentation.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues, and unpublished data.

NO. 706. PERSONAL INCOME PER CAPITA IN CURRENT AND CONSTANT (1982) DOLLARS—STATES: 1980 TO 1988

[See headnote, table 705]

REGION, DIVISION, AND STATE	CURRENT DOLLARS					Income rank		CONSTANT (1982) DOLLARS				
	1980	1985	1986	1987	1988	1980	1988	1980	1985	1986	1987	1988
U.S.	9,919	13,896	14,596	15,472	16,489	(x)	(x)	11,427	12,452	12,770	12,915	13,244
Region:												
Northeast	10,603	15,571	16,565	17,823	19,214	(x)	(x)	12,216	13,953	14,492	14,877	15,433
Midwest.....	9,919	13,564	14,283	15,063	15,989	(x)	(x)	11,427	12,154	12,496	12,573	12,843
South.....	8,944	12,610	13,144	13,876	14,793	(x)	(x)	10,305	11,259	11,500	11,583	11,882
West.....	10,843	14,764	15,427	16,274	17,190	(x)	(x)	12,492	13,229	13,497	13,584	13,807
New England	10,542	15,952	17,155	18,631	20,191	(x)	(x)	12,145	14,294	15,009	15,552	16,218
Maine.....	8,218	11,905	12,836	13,996	15,106	39	27	9,468	10,668	11,230	11,683	12,133
New Hampshire.....	9,788	15,371	16,616	18,083	19,434	23	5	11,276	13,773	14,537	15,094	15,610
Vermont.....	8,577	12,379	13,233	14,267	15,302	35	25	9,881	11,092	11,577	11,909	12,291
Massachusetts.....	10,612	16,306	17,614	19,131	20,816	12	3	12,226	14,611	15,410	15,969	16,720
Rhode Island.....	9,518	13,780	14,629	15,683	16,892	27	13	10,965	12,348	12,799	13,091	13,568
Connecticut.....	12,112	18,233	19,509	21,258	23,059	2	1	13,954	16,338	17,088	17,745	18,521
Middle Atlantic	10,624	15,442	16,363	17,546	18,877	(x)	(x)	12,240	13,837	14,316	14,646	15,162
New York.....	10,721	15,773	16,736	17,943	19,305	10	6	12,351	14,135	14,642	14,977	15,506
New Jersey.....	11,573	17,619	18,757	20,277	21,994	4	2	13,333	15,788	16,410	16,926	17,666
Pennsylvania.....	9,891	13,555	14,270	15,198	16,233	18	20	11,395	12,146	12,485	12,668	13,039
East North Central	10,077	13,682	14,426	15,227	16,239	(x)	(x)	11,609	12,264	12,621	12,710	13,043
Ohio.....	9,723	13,177	13,821	14,575	15,536	25	22	11,202	11,807	12,092	12,166	12,479
Indiana.....	9,245	12,425	13,168	13,987	14,924	31	29	10,651	11,134	11,521	11,675	11,987
Illinois.....	10,837	14,730	15,450	16,394	17,575	7	11	12,485	13,199	13,517	13,684	14,116
Michigan.....	10,165	14,002	14,876	15,558	16,552	15	17	11,711	12,547	13,015	12,987	13,255
Wisconsin.....	9,845	13,172	13,902	14,674	15,524	20	23	11,342	11,803	12,163	12,249	12,469
West North Central	9,534	12,271	13,944	14,671	15,398	(x)	(x)	10,984	11,892	12,199	12,246	12,368
Minnesota.....	10,062	14,145	14,901	15,789	16,674	16	15	11,582	12,675	13,037	13,179	13,393
Iowa.....	9,537	12,608	13,288	14,028	14,662	26	32	10,987	12,295	11,826	11,710	11,777
Missouri.....	9,298	13,250	13,914	14,630	15,452	29	24	10,712	11,873	12,173	12,212	12,411
North Dakota.....	8,538	11,953	12,355	12,825	12,833	37	41	9,826	10,711	10,809	10,705	10,308
South Dakota.....	8,217	11,031	11,761	12,414	12,755	40	43	9,467	9,884	10,290	10,362	10,245
Nebraska.....	9,274	12,967	13,508	14,100	14,774	30	31	10,684	11,619	11,819	11,770	11,867
Kansas.....	9,941	13,813	14,476	15,089	15,759	17	21	11,453	12,377	12,665	12,595	12,658
South Atlantic	9,171	13,303	14,102	15,061	16,087	(x)	(x)	10,566	11,920	12,338	12,572	12,921
Delaware.....	10,249	14,548	15,259	16,305	17,661	14	10	11,808	13,036	13,350	13,610	14,186
Maryland.....	10,790	15,876	16,980	18,217	19,487	8	4	12,431	14,315	14,838	15,206	15,652
District of Columbia.....	12,322	17,818	18,270	19,543	21,389	21	9	14,196	15,966	15,884	16,313	17,180
Virginia.....	9,827	14,467	15,456	16,539	17,879	21	9	11,321	12,893	13,522	13,906	14,197
West Virginia.....	7,915	10,074	10,539	11,013	11,735	46	49	9,119	9,027	9,220	9,193	9,426
North Carolina.....	7,999	11,664	12,453	13,353	14,304	44	34	9,215	10,452	10,895	11,146	11,489
South Carolina.....	7,589	10,734	11,336	12,078	12,926	48	38	8,743	9,618	9,918	10,082	10,382
Georgia.....	8,348	12,618	13,508	14,387	15,260	38	26	9,618	11,306	11,818	12,009	12,257
Florida.....	9,764	13,936	14,640	15,594	16,603	24	16	11,249	12,487	12,808	13,017	13,336
East South Central	7,752	10,640	11,266	12,028	12,874	(x)	(x)	8,931	9,534	9,857	10,040	10,341
Kentucky.....	8,022	10,769	11,271	11,996	12,822	43	42	9,242	9,650	9,861	10,013	10,299
Tennessee.....	8,030	11,253	12,096	12,977	13,873	42	35	9,251	10,083	10,548	10,832	11,143
Alabama.....	7,704	10,699	11,356	12,039	12,851	47	40	8,876	9,587	9,935	10,049	10,322
Mississippi.....	6,926	9,250	9,674	10,301	11,116	50	50	7,979	8,299	8,464	8,598	8,929
West South Central	9,326	12,683	12,747	13,089	13,847	(x)	(x)	10,744	11,365	11,152	10,926	11,122
Arkansas.....	7,465	10,526	10,980	11,421	12,219	49	47	8,600	9,432	9,606	9,533	9,814
Louisiana.....	8,682	11,303	11,264	11,506	12,292	34	46	10,002	10,128	9,855	9,604	9,873
Oklahoma.....	9,393	12,183	12,301	12,607	13,323	28	37	10,821	10,917	10,762	10,523	10,701
Texas.....	9,798	13,472	13,486	13,840	14,586	22	33	11,288	12,072	11,799	11,553	11,716
Mountain	9,445	12,731	13,224	13,814	14,559	(x)	(x)	10,881	11,408	11,570	11,531	11,694
Montana.....	8,324	11,017	11,781	12,304	12,866	33	39	10,281	9,872	10,263	10,270	10,334
Idaho.....	8,569	10,819	11,167	11,797	12,656	36	44	9,872	9,694	9,770	9,847	10,173
Wyoming.....	11,339	12,835	12,728	12,636	13,609	6	36	13,063	11,501	11,136	10,715	10,931
Colorado.....	10,598	14,700	15,137	15,680	16,463	13	19	12,210	13,172	13,243	13,089	13,023
New Mexico.....	8,169	11,199	11,435	11,889	12,488	41	45	9,411	10,035	10,004	9,924	10,231
Arizona.....	9,172	12,958	13,649	14,322	14,970	32	28	10,567	11,611	11,941	11,955	12,024
Utah.....	7,952	10,653	11,052	11,530	12,193	45	48	9,161	9,546	9,669	9,624	9,794
Nevada.....	11,421	14,695	15,453	16,369	17,511	5	12	13,158	13,168	13,520	13,655	14,065
Pacific	11,343	15,505	16,226	17,161	18,128	(x)	(x)	13,068	13,893	14,196	14,325	14,561
Washington.....	10,725	14,077	14,854	15,634	16,473	9	18	12,356	12,614	12,996	13,050	13,231
Oregon.....	8,966	12,625	13,136	13,006	14,985	19	30	11,366	11,316	11,493	11,608	11,966
California.....	11,603	16,036	16,778	17,770	18,753	3	8	13,368	14,369	14,679	14,833	15,063
Alaska.....	13,835	18,795	18,506	18,461	19,079	1	7	15,939	16,841	16,191	15,410	15,324
Hawaii.....	10,617	13,892	14,675	15,569	16,753	11	14	12,232	12,446	12,839	12,996	13,456

X Not applicable.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, August issues; and unpublished data.

NO. 707. PERSONAL INCOME AND PERSONAL INCOME PER CAPITA FOR SELECTED METROPOLITAN AREAS: 1985 TO 1987

[As defined June 30, 1989, CMSA=Consolidated Metropolitan Statistical Area; NECMA=New England County Metropolitan Area; MSA=Metropolitan Statistical Area. See text, section 1 and Appendix II]

METROPOLITAN AREA, RANKED BY 1985 POPULATION ¹	PERSONAL INCOME				PER CAPITA PERSONAL INCOME			
	1985 (mil. dol.)	1986 (mil. dol.)	1987 (mil. dol.)	Annual percentage change, 1986-87	1985 (dol.)	1986 (dol.)	1987 (dol.)	Percent of national average, 1987
United States ²	3,317,545	3,522,203	3,768,696	7.0	13,899	14,609	15,484	(x)
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA ³	317,259	339,911	367,607	8.1	17,837	19,003	20,513	132.5
Los Angeles-Anaheim-Riverside, CA CMSA.....	205,921	222,088	242,842	9.3	16,123	16,923	18,027	116.4
Chicago-Gary-Lake County (IL), IL-IN-WI CMSA.....	126,297	133,609	142,405	6.6	15,630	16,484	17,480	112.9
San Francisco-Oakland-San Jose, CA CMSA.....	110,314	117,057	125,527	7.2	19,011	19,923	21,086	136.2
Philadelphia-Wilmington-Trenton, PA-NJ-DE- MD CMSA.....	88,854	94,769	102,546	8.2	15,355	16,210	17,409	112.4
Detroit-Ann Arbor, MI CMSA.....	71,792	76,731	80,274	4.6	15,634	16,645	17,340	112.0
Boston-Lawrence-Salem-Lowell-Brockton, MA NECMA.....	64,539	69,608	75,470	8.4	17,391	18,664	20,299	130.7
Dallas-Fort Worth, TX CMSA.....	58,213	61,305	63,751	4.0	16,510	16,782	17,115	110.5
Washington, DC-MD-VA MSA.....	66,042	71,631	78,531	9.6	18,904	20,077	21,539	139.1
Houston-Galveston-Beaumont, TX CMSA.....	54,355	53,973	54,786	1.5	15,076	14,798	15,108	97.8
Miami-Fort Lauderdale, FL CMSA.....	43,484	46,150	50,473	9.4	15,180	15,919	17,086	110.3
Cleveland-Akron-Lorain, OH CMSA.....	40,581	42,301	44,680	5.6	14,636	15,259	16,141	104.2
Atlanta, GA MSA.....	38,186	41,984	45,943	9.4	15,464	16,341	17,293	111.7
St. Louis, MO-IL MSA.....	36,585	38,691	41,064	6.1	15,095	15,855	16,706	107.9
Seattle-Tacoma, WA CMSA.....	35,455	36,286	41,051	7.2	17,574	16,728	17,539	113.3
Minneapolis-St. Paul, MN-WI MSA.....	37,089	39,587	42,686	7.8	16,398	17,232	18,277	118.0
San Diego, CA MSA.....	32,190	34,937	38,021	8.8	15,095	15,843	16,633	107.4
Baltimore, MD MSA.....	35,204	37,712	40,837	8.6	15,835	16,554	17,776	114.8
Pittsburgh-Beaver Valley, PA CMSA.....	31,972	33,079	34,321	5.6	13,696	14,326	15,207	98.2
Phoenix, AZ MSA.....	26,491	29,120	31,505	8.2	14,582	15,424	16,077	103.8
Tampa-St. Petersburg-Clearwater, FL MSA.....	25,862	27,867	30,361	8.8	13,826	14,541	15,435	99.7
Denver-Boulder, CO MSA.....	30,067	31,094	32,092	3.2	16,448	16,844	17,242	111.4
Cincinnati-Hamilton, OH-KY-IN CMSA.....	23,017	24,510	26,283	7.2	13,690	14,425	15,329	99.0
Kansas City, MO-KS MSA.....	22,370	23,774	25,221	6.1	14,922	15,623	16,309	105.3
Milwaukee-Racine, WI CMSA.....	23,266	24,379	25,833	6.0	14,998	15,668	16,537	106.8
Portland-Vancouver, OR-WA CMSA.....	18,979	19,994	21,317	6.6	14,058	14,610	15,409	99.5
Sacramento, CA MSA.....	18,253	19,906	21,785	9.4	14,531	15,425	16,300	105.3
Norfolk-Virginia Beach-Newport News, VA MSA.....	16,717	18,060	19,467	7.8	13,058	13,748	14,462	93.4
Columbus, OH MSA.....	17,699	18,855	20,208	7.2	13,755	14,458	15,308	98.9
San Antonio, TX MSA.....	15,487	16,233	16,883	4.0	12,474	12,683	12,921	83.4
New Orleans, LA MSA.....	16,981	17,121	17,345	1.3	12,769	12,845	13,130	84.8
Indianapolis, IN MSA.....	16,885	18,028	19,424	7.7	14,031	14,870	15,809	102.1
Buffalo-Niagara Falls, NY CMSA.....	16,033	16,826	17,809	5.8	13,531	14,299	15,163	97.9
Providence-Pawtucket-Woonsocket, RI NECMA.....	12,048	12,891	13,927	8.0	13,648	14,473	15,453	99.8
Charlotte-Gastonia-Flock Hill, NC-SC MSA.....	13,935	15,141	16,655	10.0	13,230	14,164	15,267	98.6
Hartford-New Britain-Middletown-Bristol, CT NECMA.....	18,716	20,428	22,456	9.9	17,392	18,835	20,454	132.1
Salt Lake City-Ogden, UT MSA.....	11,909	12,437	13,016	4.7	11,615	11,948	12,343	79.7
Rochester, NY MSA.....	14,943	15,773	16,559	5.0	15,318	16,145	16,913	109.2
Memphis, TN-AR-MS MSA.....	11,910	12,754	13,870	8.8	12,534	13,285	14,271	92.2
Nashville, TN MSA.....	12,187	13,335	14,584	9.4	13,378	14,322	15,253	96.5
Orlando, FL MSA.....	11,829	13,049	14,414	10.5	13,712	14,480	15,421	99.6
Louisville, KY-IN MSA.....	12,473	13,165	14,111	7.2	12,945	13,656	14,599	94.3
Oklahoma City, OK MSA.....	13,214	13,192	13,392	1.5	13,498	13,403	13,735	88.7
Dayton-Springfield, OH MSA.....	12,746	13,435	14,144	5.3	13,697	14,380	15,068	97.3
Greensboro-Winston-Salem-High Point, NC MSA.....	12,110	12,990	14,097	8.5	13,541	14,395	15,396	99.4
Birmingham, AL MSA.....	11,166	11,818	12,582	6.5	12,345	12,994	13,722	88.6
Jacksonville, FL MSA.....	10,911	11,826	12,832	8.5	13,219	13,865	14,611	94.4
Albany-Schenectady-Troy, NY MSA.....	11,782	12,662	13,616	7.5	14,041	15,030	16,087	103.9

X. Not applicable. ¹ For 1988 population, see table 36. ² Includes other areas not listed separately. ³ Includes Bridgeport-Stamford-Norwalk-Danbury, CT NECMA.

Source: U.S. Bureau of Economic Analysis, *Survey of Current Business*, April issues, and unpublished data.

NO. 708. PERCENT DISTRIBUTION AND AVERAGE ANNUAL PERCENT CHANGE OF SHARES OF NATIONAL INCOME, BY TYPE: 1970 TO 1988

[For definition of average annual percent change, see Guide to Tabular Presentation]

TYPE OF INCOME	PERCENT DISTRIBUTION						AVERAGE ANNUAL PERCENT CHANGE				
	1970	1980	1985	1986	1987	1988	1970-1980	1980-1985	1985-1986	1986-1987	1987-1988
National income, total.....	100.0	100.0	100.0	100.0	100.0	100.0	10.2	8.0	5.5	7.4	6.4
Compensation of employees.....	74.3	74.3	73.2	73.6	73.4	73.2	10.2	7.6	6.1	7.1	8.1
Wages and salaries.....	66.2	62.3	61.1	61.4	61.4	61.1	9.5	7.6	6.1	7.4	8.0
Supplements to wages, salaries.....	8.0	12.1	12.1	12.2	12.0	12.0	14.8	8.1	6.2	5.8	6.6
Proprietors' income ¹	9.6	8.2	7.9	8.3	8.5	8.3	8.5	7.2	10.2	10.5	5.2
Farm.....	1.9	.9	.9	1.0	1.1	1.0	0	8.1	14.9	19.9	19.9
Nonfarm.....	7.9	7.3	7.0	7.2	7.4	7.2	9.4	7.1	9.6	9.2	6.7
Rental income of persons ²	2.2	.3	.3	.3	.4	.4	-9.7	6.9	26.1	15.5	17.2
Corporate profits ¹	9.0	8.0	8.7	8.3	8.1	8.3	9.0	9.8	-1.1	5.9	10.0
Profits before tax.....	9.1	10.8	6.9	6.5	7.3	7.7	12.1	-1.1	-1.2	20.4	15.0
Profits after tax.....	5.0	6.9	4.0	3.4	3.9	4.3	13.8	-3.5	-9.8	23.2	18.9
Inventory valuation adjustment.....	-.8	-2.0	(-.2)	.2	-.5	-.6	(x)	(x)	(x)	(x)	(x)
Capital consumption adjustment.....	.6	-.8	1.8	1.6	1.4	1.2	(x)	28.9	-9.9	-5.4	-8.1
Net interest.....	4.9	9.1	9.9	9.5	9.6	9.9	17.2	9.7	2.0	8.0	11.7

X Not applicable. Z Less than .05 percent. ¹ With inventory valuation and capital consumption adjustments. ² With capital consumption adjustment.

Source: Compiled by U.S. Bureau of the Census; based on data from U.S. Bureau of Economic Analysis, *The National Income and Product Accounts of the United States, 1929-82*, and *Survey of Current Business*, July issues.

NO. 709. FLOW OF FUNDS ACCOUNTS—COMPOSITION OF INDIVIDUALS' SAVINGS: 1970 TO 1988

[In billions of dollars. Combined statement for households, farm and nonfarm, noncorporate business, nonprofit organizations, and personal trusts. Minus sign (-) indicates decrease. See *Historical Statistics, Colonial Times to 1970*, series F 566-594, for similar but not exactly comparable data]

COMPOSITION OF SAVINGS	1970	1975	1980	1983	1984	1985	1986	1987	1988
Increase in financial assets.....	80.5	179.3	320.3	480.4	540.8	543.8	527.0	490.7	531.7
Checkable deposits and currency.....	8.9	6.1	8.9	34.4	26.7	35.7	94.1	18.7	20.0
Time and savings deposits.....	43.2	77.6	124.9	198.8	221.5	125.7	101.5	97.8	148.7
Money market fund shares.....	-	1.3	24.5	-31.1	44.0	12.1	34.2	28.9	20.7
Securities.....	.2	12.3	8.1	90.2	54.3	126.6	33.7	121.0	32.3
U.S. savings bonds.....	.3	4.0	-7.3	3.1	3.0	5.3	13.6	7.8	8.5
Other U.S. Treasury securities.....	-11.5	16.6	23.2	61.8	65.0	44.6	-18.6	49.6	46.4
U.S. Government agency securities.....	6.1	-4.5	4.9	-10.8	18.6	30.2	8.6	31.8	79.9
Tax-exempt obligations.....	-9	6.2	6.7	37.6	25.4	40.0	-16.4	43.0	18.2
Corporate and foreign bonds.....	10.7	8.4	-13.0	-8.3	-	2.4	32.6	5.3	-12.7
Open-market paper.....	3.7	-12.2	3.4	5.7	-5.4	39.1	-12.2	2.6	12.5
Mutual fund shares.....	2.0	-4	1.1	24.0	24.0	68.5	147.8	79.8	-6.4
Other corporate equities.....	-2.8	-5.8	-11.0	-22.9	-75.6	-103.4	121.6	-98.7	-114.0
Private life insurance reserves.....	5.2	7.9	9.7	7.8	5.0	10.4	17.2	25.7	12.5
Private insured pension reserves.....	2.9	8.7	22.3	38.8	46.7	63.4	77.5	70.6	92.8
Private noninsured pension reserves.....	7.2	40.2	51.2	59.1	42.1	39.5	19.2	26.2	67.2
Government insurance and pension reserves.....	8.9	15.1	35.3	53.5	63.9	72.3	78.7	73.9	84.9
Miscellaneous financial assets.....	3.9	10.1	35.4	28.9	36.6	58.1	70.8	27.9	52.5
Gross investment in tangible assets.....	150.5	236.4	403.4	509.1	608.0	640.5	704.4	730.8	778.4
Owner-occupied homes.....	28.1	51.9	113.6	133.2	155.4	161.4	181.0	204.0	220.1
Other fixed assets ¹	36.4	45.1	79.6	94.4	100.9	101.9	108.3	100.6	90.7
Consumer durables.....	85.7	135.4	219.3	289.1	335.6	372.2	406.5	421.9	451.1
Inventories ¹	4	4.0	-9.1	-7.6	16.1	5.0	8.6	4.4	16.5
Capital consumption allowances.....	102.9	173.0	311.1	381.9	399.3	424.8	455.5	489.3	515.8
Owner-occupied homes.....	13.5	24.4	47.0	57.0	60.0	64.4	67.1	70.0	73.0
Other fixed assets ¹	23.7	41.6	76.8	98.4	102.6	105.9	107.9	114.0	119.1
Consumer durables.....	65.8	107.0	187.4	226.4	236.7	254.6	280.6	305.4	323.7
Net investment in tangible assets.....	47.6	63.4	92.3	127.2	208.7	215.7	248.9	241.5	262.7
Owner-occupied homes.....	14.6	27.5	66.6	76.2	95.4	97.1	114.0	134.0	147.2
Other fixed assets ¹	12.7	3.5	2.9	-4.0	-1.6	-4.0	4	-13.3	-28.4
Consumer durables.....	19.9	28.4	31.9	62.7	98.8	117.6	126.0	116.5	127.5
Inventories ¹	4	4.0	-9.1	-7.6	16.1	5.0	8.6	4.4	16.5
Net increase in debt².....	38.7	80.7	203.3	297.9	377.5	436.2	394.7	367.8	380.1
Mortgage debt on nonfarm homes.....	13.5	38.8	96.4	120.4	136.7	157.0	216.7	233.9	218.6
Other mortgage debt ¹	16.4	18.8	53.4	63.9	83.4	95.1	71.2	74.9	61.1
Consumer credit.....	4.6	8.0	2.6	49.0	81.6	82.5	58.0	32.9	51.1
Security credit.....	-1.8	.7	7.2	9.4	-2.4	19.4	8.2	-15.3	2.6
Other debt ¹	3.7	14.7	42.9	54.2	77.7	82.3	40.8	41.2	45.8
Individuals' saving.....	89.4	162.0	203.4	309.7	372.0	323.3	381.1	364.7	414.2
Less: Government insurance and pension reserve.....	8.9	15.1	35.3	53.5	63.9	72.3	78.7	73.9	84.9
Net investment in consumer durables.....	19.9	28.4	31.9	62.7	98.8	117.6	126.0	116.5	127.5
Capital gains dividends from mutual funds.....	.9	.2	1.8	4.4	6.0	4.9	17.5	22.4	6.3
Net saving by farm corporations.....	(2)	.5	.5	.6	.7	.9	.6	.9	1.4
Equals: Personal saving, flow of funds basis³.....	59.6	117.7	133.9	188.6	202.6	127.6	158.4	151.0	194.2

- Represents zero. Z Less than \$50 million. ¹ Includes corporate farms. ² Includes items not shown separately. ³ Personal saving on national income account basis measures personal saving as income less taxes and consumption; flow-of-funds basis measures the same concept from acquisition of assets less borrowing.

Source: Board of Governors of the Federal Reserve System, *Flow of Funds Accounts*, quarterly.

**NO. 710. ANNUAL GROWTH RATES OF REAL GROSS DOMESTIC PRODUCT—INTERNATIONAL
COMPARISONS, SELECTED PERIODS: 1950 TO 1987**

[In percent. See also *Historical Statistics, Colonial Times to 1970*, series F 10-16. Minus sign (-) indicates decline]

COUNTRY	1950-87	1970-80	1970-79	1979-80	1980-85	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States.....	3.2	2.7	2.0	-.1	2.9	2.3	-2.6	3.9	7.2	3.8	3.0	3.6
Per capita.....	1.9	1.7	.9	-1.3	1.8	1.2	-3.6	2.9	6.2	2.8	2.0	2.6
Canada.....	4.5	4.6	3.9	1.5	2.9	3.7	-3.2	3.2	6.4	4.6	3.1	4.0
Per capita.....	2.7	3.3	2.9	.2	1.9	2.4	-4.2	2.4	5.5	3.8	2.3	2.9
France.....	3.9	3.3	3.2	1.6	1.5	1.2	2.5	.7	1.3	1.7	2.1	2.2
Per capita.....	3.1	2.7	2.8	1.1	1.0	.6	2.0	.2	.9	1.2	1.7	1.7
Italy.....	14.2	3.1	4.9	3.9	1.7	1.1	-.2	1.1	3.2	2.9	2.9	3.1
Per capita.....	13.7	2.6	4.6	3.7	1.4	1.0	-.7	2.9	2.6	2.7	2.9	2.9
Japan.....	26.9	4.6	5.2	4.4	3.9	3.9	2.8	3.2	5.0	4.7	2.4	4.3
Per capita.....	25.8	3.4	4.3	3.6	3.2	3.1	2.1	2.5	4.3	4.1	1.8	3.8
United Kingdom.....	2.5	2.0	2.2	-2.0	1.9	-1.1	1.2	3.8	1.8	3.6	3.1	3.8
Per capita.....	2.2	1.8	2.1	-2.1	1.7	-1.2	1.3	3.8	1.6	3.3	2.8	3.5
West Germany.....	4.3	2.7	4.2	1.4	1.2	.2	-.6	1.5	2.8	2.0	2.3	1.9
Per capita.....	3.7	2.5	4.1	1.0	1.3	-.1	-.6	1.9	3.2	2.2	2.2	1.8

- Represents zero. ¹ Initial year 1951. ² Initial year 1952.

Source: Organization for Economic Cooperation and Development, Paris, France, *National Accounts, 1960-1987*.

**NO. 711. GROSS DOMESTIC PRODUCT OF SELECTED COUNTRIES AS PERCENT OF UNITED STATES:
1970 TO 1987**

[Comparisons are based on constant (1980) price data converted to U.S. dollars using 1980 exchange rates]

COUNTRY	GROSS DOMESTIC PRODUCT								PER CAPITA GROSS DOMESTIC PRODUCT							
	1970	1975	1980	1983	1984	1985	1986	1987	1970	1975	1980	1983	1984	1985	1986	1987
United States.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Canada.....	8	9	10	10	10	10	10	10	79	90	93	93	92	93	93	94
France.....	23	25	25	25	24	23	23	23	95	102	104	107	102	100	100	99
Italy.....	16	16	17	17	16	16	16	16	62	64	68	69	67	67	68	68
Japan.....	33	36	39	42	41	41	41	42	65	70	77	83	81	82	82	83
United Kingdom.....	22	21	20	20	19	19	19	19	79	83	81	83	80	80	81	82
West Germany.....	30	30	30	30	28	28	28	27	103	105	112	113	110	109	109	109

Source: Organization for Economic Cooperation and Development, Paris, France, *National Accounts, 1960-1987*.

NO. 712. SELECTED INTERNATIONAL ECONOMIC INDICATORS: 1970 TO 1988

[Data cover gross national product (GNP) at market prices, except for France, Italy, and the United Kingdom, which relate to gross domestic product. Gross fixed capital formation covers private and government sectors except military. Savings data are calculated by deducting outlays—such as personal consumption expenditures, interest paid, and transfer payments to foreigners—from disposable personal income. Minus sign (-) indicates decline]

YEAR	United States	France	West Germany	Italy	Netherlands	United Kingdom	Japan	Canada
GNP growth rates¹ (constant 1982 prices):								
1970.....	-3	5.7	5.0	5.3	5.4	2.3	10.8	2.5
1980.....	-2	1.6	1.5	4.2	1.0	-2.2	4.3	1.5
1984.....	6.8	1.3	3.3	3.0	2.9	2.1	5.1	6.1
1985.....	3.4	1.9	1.9	2.6	2.9	3.7	4.9	4.8
1986.....	2.7	2.3	2.3	2.5	1.6	3.5	2.5	2.8
1987.....	3.7	1.9	1.7	3.0	1.8	4.7	4.5	4.8
1988.....	4.4	3.4	3.6	3.9	2.1	4.2	5.7	5.0
Ratio of gross fixed capital formation to GNP (current prices):								
1970.....	17.7	24.3	25.4	24.5	27.2	18.7	35.6	21.7
1980.....	19.0	23.0	22.6	24.2	21.1	18.0	31.6	23.9
1984.....	17.9	19.3	20.0	21.2	18.6	16.7	27.9	19.6
1985.....	18.0	19.3	19.6	20.8	19.2	16.9	27.7	20.3
1986.....	17.8	19.2	19.4	19.9	20.1	16.7	27.5	20.7
1987.....	17.2	19.5	19.4	20.1	20.2	17.4	28.7	21.5
1988.....	17.0	20.2	19.8	20.0	21.3	18.9	30.4	22.5
Ratio of savings to disposable personal income:								
1970.....	8.1	18.7	14.7	30.3	13.2	9.2	18.2	5.3
1980.....	7.1	17.6	14.0	28.2	11.0	13.8	17.9	12.3
1984.....	6.1	14.5	12.8	24.6	13.1	10.6	16.0	13.2
1985.....	4.5	14.0	12.7	24.2	12.7	9.7	16.0	13.6
1986.....	4.3	13.2	13.5	23.9	13.1	7.6	16.4	11.1
1987.....	3.2	11.5	13.6	21.9	12.2	5.9	15.1	9.6
1988.....	4.2	12.2	13.9	(NA)	12.5	4.5	(NA)	8.6

NA Not available. ¹ Growth rates represent percentage change from preceding year.

Source: U.S. Dept. of Commerce, International Trade Administration, Office of Trade and Investment Analysis, official trade statistics of listed countries.

NO. 713. AVERAGE ANNUAL EXPENDITURES OF ALL CONSUMER UNITS: 1984 TO 1987

[In dollars, except as indicated. Based on Consumer Expenditure Survey, integrated data from the Interview and Diary surveys; see text, section 14 for description. In interpreting the expenditure data, several factors should be considered. First, the data are averages for the total civilian noninstitutional population. Second, expenditures reported here are direct out-of-pocket expenditures. For explanation of average annual percent change, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

ITEM	1984	1985	1986	1987	AVERAGE ANNUAL PERCENT CHANGE	
					1984-87	1986-87
All consumer units (1,000)	90,223	91,564	94,044	94,150	1.4	.1
Age of reference person (years).....	46.7	46.8	46.7	47.0	.2	.6
Number of persons in consumer unit.....	2.6	2.6	2.6	2.6	-	-
Number in consumer unit:						
Earners.....	1.4	1.4	1.4	1.4	-	-
Vehicles.....	1.9	1.9	2.0	2.0	1.7	-
Children under 18 years.....	.7	.7	.7	.7	-	-
Persons 65 years and over.....	.3	.3	.3	.3	-	-
Total expenditures	21,975	23,490	23,866	24,414	3.6	2.3
Food, total.....	3,290	3,477	3,448	3,664	3.7	6.3
Food at home, total ¹	1,970	2,037	1,993	2,099	2.1	5.3
Cereal and bakery products.....	262	283	275	299	4.5	8.7
Meats, poultry, fish, and eggs.....	586	579	562	572	-.8	1.8
Dairy products.....	253	266	251	274	-2.7	9.2
Fruits and vegetables.....	313	322	320	356	4.4	11.3
Food away from home.....	1,320	1,441	1,455	1,565	5.8	7.6
Alcoholic beverages.....	275	306	271	289	1.7	6.6
Tobacco products and smoking supplies.....	228	219	230	232	.6	.9
Housing, total.....	6,674	7,087	7,292	7,569	4.3	3.8
Shelter.....	3,489	3,833	3,979	4,154	6.0	4.4
Fuels, utilities, and public services.....	1,638	1,648	1,646	1,671	.7	1.6
Household operations and furnishings.....	1,241	1,282	1,352	1,403	4.2	3.8
Housekeeping supplies.....	307	325	316	341	3.6	7.9
Apparel and services.....	1,319	1,420	1,346	1,446	3.1	7.4
Transportation, total.....	4,304	4,587	4,842	4,600	2.2	-5.0
Vehicles.....	1,813	2,043	2,336	2,022	3.7	-13.5
Gasoline and motor oil.....	1,058	1,035	915	888	-5.7	-3.0
Other transportation ²	1,433	1,509	1,590	1,690	5.7	6.3
Health care.....	1,049	1,108	1,135	1,135	2.7	-.7
Life insurance.....	300	278	292	294	-.7	8.1
Pensions and Social Security.....	1,598	1,738	1,834	1,881	5.6	2.6
Other expenditures ³	2,936	3,269	3,174	3,305	4.0	4.1

- Represents zero. ¹Includes other items not shown separately. ²Includes other vehicle expenses and public transportation. ³Includes entertainment, personal care, reading, education, cash contributions, and miscellaneous expenditures. For data on entertainment and reading, see table 383.

NO. 714. AVERAGE ANNUAL EXPENDITURES OF ALL CONSUMER UNITS FOR SELECTED METROPOLITAN STATISTICAL AREAS: 1987

[In dollars. Metropolitan areas as defined June 30, 1987. CMSA=Consolidated Metropolitan Statistical Area; MSA=Metropolitan Statistical Area; PMSA=Primary Metropolitan Statistical Area. See text, section 1 and Appendix II. Based on Consumer Expenditure Survey, integrated data from the Interview and Diary surveys, see headnote, table 713]

METROPOLITAN STATISTICAL AREA	Total expenditures ¹	Food	HOUSING			TRANSPORTATION			Health care
			Total ¹	Shel-ter	Ap- parel and serv- ices	Total ¹	Vehicle pur- chases	Gasol- ine and motor oil	
Anchorage, AK MSA.....	34,406	4,411	11,546	8,038	1,958	5,758	1,934	1,063	1,080
Atlanta, GA MSA.....	28,725	3,422	9,516	5,513	1,796	6,162	2,844	1,121	1,142
Baltimore, MD MSA.....	24,153	3,737	7,723	4,303	1,589	4,528	2,070	752	1,072
Boston-Lawrence-Salem, MA-NH CMSA.....	26,624	3,566	9,041	6,049	1,608	5,676	2,987	940	826
Buffalo-Niagara Falls, NY CMSA.....	20,284	3,633	6,299	3,255	1,127	3,855	1,927	700	845
Chicago-Gary-Lake County, IL-IN-WI CMSA.....	28,517	4,140	8,988	4,395	1,919	5,340	2,499	889	1,160
Cincinnati-Hamilton, OH-KY-IN CMSA.....	24,135	3,631	7,046	3,554	1,662	5,011	2,407	821	943
Cleveland-Akron-Lorain, OH CMSA.....	26,331	3,546	7,359	3,789	1,627	5,179	2,454	856	1,075
Dallas-Fort Worth, TX CMSA.....	28,561	3,594	8,181	4,694	1,881	6,310	3,263	1,070	1,150
Detroit-Ann Arbor, MI CMSA.....	25,248	3,711	7,848	4,044	1,754	5,118	2,178	1,002	924
Honolulu, HI MSA.....	28,239	4,795	8,610	5,800	1,688	4,244	1,263	803	1,026
Houston-Galveston-Brazoria, TX CMSA.....	28,798	3,826	9,506	5,060	1,567	5,285	2,248	1,046	1,371
Kansas City, MO-KS MSA.....	27,627	3,463	8,060	4,356	1,532	5,969	3,154	923	1,219
Los Angeles-Long Beach, CA PMSA.....	28,462	3,958	9,927	6,289	1,850	5,154	2,045	1,024	1,057
Miami-Fort Lauderdale, FL CMSA.....	27,279	4,416	8,427	5,186	1,472	5,875	2,720	940	1,265
Milwaukee, WI PMSA.....	22,717	3,177	7,697	4,783	1,224	4,347	1,999	769	861
Minneapolis-St. Paul, MN-WI MSA.....	26,735	3,628	8,879	5,038	1,590	4,653	1,987	905	830
New York-Northern New Jersey-Long Island, NY-NJ-CT CMSA.....	28,087	4,284	9,616	5,648	2,047	4,635	1,887	720	1,233
Philadelphia-Williamington-Trenton, PA-NJ-DE-MD CMSA.....	25,308	4,040	7,777	4,257	1,641	4,666	2,082	803	999
Pittsburgh-Beaver Valley, PA CMSA.....	22,255	3,743	6,636	3,158	1,471	4,232	2,034	719	1,049
Portland-Vancouver, OR-WA CMSA.....	24,452	3,875	7,830	4,680	1,036	4,587	1,971	862	1,023
San Diego, CA MSA.....	28,511	3,786	9,318	6,199	1,873	5,817	2,518	997	986
San Francisco-Oakland-San Jose, CA CMSA.....	31,044	4,290	11,272	7,643	1,625	5,006	1,711	884	1,027
Seattle-Tacoma, WA CMSA.....	27,930	4,141	8,421	4,902	1,501	5,087	2,195	918	1,064
St. Louis, MO-IL MSA.....	24,959	3,687	7,309	3,648	1,292	5,233	2,590	908	1,322
Washington, DC-MD-VA MSA.....	34,418	3,823	11,426	7,138	2,194	5,988	2,851	806	1,537

¹ Includes other items not shown separately.

Source of tables 713 and 714: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Integrated Survey Data, 1984-86*, Bulletin 2333.

NO. 715. AVERAGE ANNUAL INCOME

[In dollars. Based on Consumer Expenditure Survey, integrated

	CHARACTERISTIC	Income before taxes ¹	Total expenditures	Food, total	FOOD AT HOME					Food away from home	Alcoholic beverages
					Total ²	Cereal and bakery products	Meats, poultry, fish, and eggs	Dairy products	Fruits and vegetables		
1	All consumer units	27,326	24,414	3,664	2,099	299	672	274	366	1,565	289
	Age of reference person:										
2	Under 25 years old.....	12,621	14,368	2,204	1,046	141	245	150	170	1,158	310
3	25-34 years old.....	27,835	24,177	3,567	1,989	263	522	271	310	1,578	353
4	35-44 years old.....	36,240	31,473	4,638	2,538	370	684	334	413	2,100	359
5	45-54 years old.....	36,941	31,708	4,625	2,627	362	764	337	437	1,999	336
6	55-64 years old.....	31,038	25,707	3,887	2,310	312	668	291	404	1,577	257
7	65-74 years old.....	18,598	18,888	2,971	1,897	261	509	239	362	1,074	164
8	75 years old and over.....	12,912	12,230	2,104	1,496	232	393	192	311	609	74
	Region of residence:										
9	Northeast.....	27,494	25,079	3,921	2,206	327	649	289	387	1,715	342
10	Midwest.....	25,772	23,021	3,458	1,975	264	536	280	317	1,483	251
11	South.....	26,479	23,292	3,443	1,957	271	539	248	324	1,486	244
12	West.....	30,373	27,309	4,019	2,379	333	592	322	424	1,640	356
	Size of consumer unit:										
13	One person.....	15,006	14,693	1,988	981	139	239	130	188	1,007	261
14	Two persons.....	28,990	24,761	3,585	1,996	275	551	249	358	1,589	305
15	Three persons.....	33,055	28,549	4,209	2,456	342	685	319	389	1,753	294
16	Four persons.....	38,282	32,753	5,053	3,066	455	837	411	486	1,987	305
17	Five persons.....	35,141	31,976	5,624	3,401	491	962	458	546	2,223	328
18	Six persons or more.....	29,458	31,016	5,605	3,687	545	1,028	517	604	1,918	212
	Single consumers:										
19	No earner.....	8,757	10,250	1,571	1,048	158	257	141	215	524	78
20	One earner.....	18,795	17,417	2,234	943	129	228	124	173	1,292	367
	Consumer units of two or more persons:										
21	No earner.....	14,249	15,423	2,992	2,115	310	603	260	390	877	147
22	One earner.....	26,579	24,447	3,934	2,408	345	661	321	408	1,526	259
23	Two earners.....	37,710	31,202	4,389	2,468	347	679	321	399	1,921	341
24	Three or more.....	45,217	38,378	6,050	3,405	488	955	450	551	2,644	378
	Husband and wife consumer units:										
25	Total husband and wife consumer units.....	36,114	30,659	4,580	2,666	380	732	348	443	1,914	297
26	Husband and wife only.....	32,307	26,541	3,757	2,081	286	572	256	377	1,676	286
	Husband and wife with children:										
27	Oldest child under 6.....	35,505	29,414	3,815	2,435	333	639	336	379	1,379	248
28	Oldest child 6 to 17.....	37,263	32,899	5,206	3,033	464	803	414	466	2,173	299
29	Oldest child 18 or over.....	45,238	37,966	5,994	3,440	485	1,000	451	567	2,554	374
30	One parent, at least one child under 18 years.....	14,737	16,521	2,933	1,869	265	551	247	295	1,064	171
31	Single person and other.....	17,237	16,590	2,401	1,281	181	338	167	232	1,120	293
	Occupation of reference person:										
32	Self employed workers.....	32,372	30,291	4,477	2,345	330	620	304	416	2,132	388
33	Wage and salary earners:										
34	Managers and professionals.....	44,232	34,782	4,524	2,289	326	608	306	387	2,234	392
35	Technical, sales, and clerical workers.....	29,607	26,343	3,824	2,067	287	569	268	334	1,757	361
36	Service workers.....	18,551	18,726	3,062	1,794	253	506	235	290	1,288	235
37	Construction workers and mechanics.....	30,549	26,568	3,913	2,261	323	626	307	338	1,652	332
38	Operators, fabricators and laborers.....	24,796	22,144	3,878	2,289	329	616	300	371	1,989	265
39	Retired.....	15,383	15,905	2,761	1,807	268	488	226	353	954	160
	Income before taxes:										
40	Complete reporters of income ³	27,326	24,776	3,753	2,143	306	586	279	358	1,610	303
	Quintiles of income:										
41	Lowest 20 percent.....	4,611	10,355	1,916	1,321	190	364	173	241	595	122
42	Second 20 percent.....	11,954	15,686	2,772	1,830	270	506	236	316	942	189
43	Third 20 percent.....	20,943	21,708	3,575	2,061	300	555	274	338	1,514	325
44	Fourth 20 percent.....	33,276	29,603	4,332	2,441	347	668	314	393	1,891	340
45	Highest 20 percent.....	65,750	46,470	6,164	3,060	426	836	395	503	3,104	539
46	Incomplete reporting of income.....	(¹)	22,668	3,321	1,923	268	517	258	344	1,398	233

¹ Income values derived from "complete income reporters" only. Represents the combined income of all consumer unit members 14 years or over during the 12 months preceding the interview. A complete reporter is a consumer unit providing values for at least one of the major sources of income. ² Includes other amounts not shown separately. ³ Includes household equipment.

AND EXPENDITURES OF ALL CONSUMER UNITS: 1987

data from the Interview and Diary Surveys; see headnote, table 713]

Total	HOUSING				TRANSPORTATION				Health care	Pensions and Social Security	Other expenditures ^a	Personal taxes	
	Shelter	Fuel, utilities, and public services	Household operations and furnishings ^b	House-keeping supplies	Appliances and services	Vehicle purchases	Gasoline and motor oil	All other transportation ^c					
7,569	4,154	1,671	1,403	341	1,446	2,022	888	1,690	1,135	1,881	3,831	2,455	1
4,307	2,700	813	645	149	887	1,688	609	1,112	338	775	2,137	928	2
8,099	4,803	1,500	1,484	312	1,442	2,019	894	1,630	766	2,037	3,371	2,513	3
9,835	5,517	1,975	1,952	391	2,006	2,698	1,108	2,137	1,085	2,710	4,899	3,574	4
8,985	4,827	2,068	1,850	440	1,943	2,760	1,180	2,281	1,255	2,913	5,429	3,877	5
7,290	3,573	1,901	1,422	394	1,392	2,168	976	1,854	1,383	2,256	4,244	2,901	6
5,965	2,918	1,597	1,099	352	1,035	1,269	667	1,338	1,688	610	3,179	961	7
4,521	2,306	1,323	657	235	545	422	332	639	1,596	139	1,856	632	8
8,101	4,590	1,753	1,406	352	1,707	1,907	786	1,786	1,051	1,796	3,701	1,964	9
6,833	3,488	1,682	1,332	331	1,309	1,682	868	1,578	1,099	1,760	3,613	2,275	10
7,014	3,665	1,735	1,278	337	1,378	2,106	937	1,550	1,204	1,794	3,624	2,519	11
8,850	5,338	1,467	1,695	350	1,456	1,967	939	1,981	1,152	2,261	4,528	3,022	12
5,039	3,080	1,036	738	186	884	1,011	467	1,042	695	941	2,363	1,429	13
7,551	4,108	1,695	1,387	361	1,401	1,950	897	1,774	1,423	1,926	3,948	2,665	14
8,853	4,626	1,968	1,693	365	1,619	2,719	1,068	2,014	1,221	2,384	4,366	2,906	15
10,065	5,388	2,114	2,168	495	1,985	3,008	1,218	2,158	1,198	2,761	5,004	3,761	16
9,493	5,000	2,209	1,845	439	1,945	2,584	1,261	2,115	1,283	2,470	4,871	2,523	17
8,949	4,651	2,274	1,537	486	2,291	2,397	1,260	1,908	1,268	1,939	5,245	1,768	18
4,184	2,271	1,093	641	178	532	500	259	572	993	11	1,550	351	19
5,568	3,581	1,000	796	190	1,095	1,328	596	1,334	511	1,517	2,867	2,083	20
5,197	2,430	1,520	882	366	894	747	574	946	1,578	39	2,311	488	21
7,931	4,217	1,842	1,477	395	1,479	1,769	870	1,590	1,267	1,607	3,719	2,176	22
9,558	5,296	1,936	1,935	391	1,795	2,783	1,143	2,185	1,222	2,943	4,842	3,714	23
9,929	5,093	2,412	1,936	488	2,319	4,122	1,588	2,820	1,368	3,437	6,369	4,005	24
9,189	4,867	2,024	1,870	428	1,754	2,679	1,152	2,137	1,455	2,552	4,864	3,340	25
8,006	4,277	1,782	1,546	390	1,407	2,103	962	1,923	1,811	2,133	4,352	3,059	26
10,389	5,689	1,811	2,486	402	1,681	2,749	981	1,858	1,138	2,637	3,820	3,407	27
10,165	5,474	2,142	2,096	452	2,040	2,717	1,220	2,049	1,273	2,785	5,143	3,376	28
9,370	4,544	2,414	1,914	498	2,132	4,142	1,606	3,039	1,536	3,280	6,492	4,461	29
5,808	3,309	1,384	875	240	1,132	1,400	530	912	492	843	2,298	984	30
5,507	3,264	1,209	808	226	1,037	1,176	566	1,169	775	1,081	2,585	1,474	31
9,116	4,864	2,118	1,737	397	1,560	2,047	1,024	1,964	1,658	2,368	5,688	2,254	32
10,835-	6,272	1,916	2,243	404	2,256	2,823	1,064	2,461	1,223	3,467	5,739	4,741	33
8,010	4,570	1,653	1,441	347	1,688	2,404	951	1,878	999	2,286	3,941	3,081	34
5,937	3,281	1,410	921	325	1,160	1,777	745	1,218	657	1,343	2,570	1,383	35
7,824	4,092	1,749	1,452	331	1,353	2,763	1,206	1,854	983	3,308	4,232	2,980	37
6,426	3,420	1,596	1,124	286	1,123	2,152	1,065	1,624	835	1,833	3,144	2,173	38
5,237	2,502	1,470	927	338	836	958	557	1,099	1,583	234	2,481	692	39
7,491	4,074	1,846	1,404	368	1,455	2,016	881	1,890	1,135	2,121	3,929	2,455	40
3,823	2,106	1,078	453	187	548	614	372	565	734	130	1,530	118	41
5,108	2,759	1,358	708	283	938	1,216	641	1,060	1,081	569	2,132	530	42
6,485	3,480	1,595	1,043	367	1,211	1,801	891	1,456	1,146	1,486	3,332	1,443	43
8,519	4,566	1,858	1,662	433	1,839	2,699	1,120	2,105	1,211	2,857	4,580	2,903	44
13,506	7,450	2,337	3,148	572	2,738	3,747	1,382	3,261	1,523	5,555	8,056	7,273	45
8,138	4,653	1,826	1,426	234	1,430	2,055	930	1,720	1,140	388	3,312	(1)	46

^a Includes other vehicle expenses and public transportation. ^b Includes life insurance, entertainment, personal care, reading, education, tobacco and smoking supplies, cash contributions, and miscellaneous expenditures. For data on entertainment and reading, see table 383.

Source: U.S. Bureau of Labor Statistics, *Consumer Expenditure Survey: Integrated Survey Data, 1984-87*, Bulletin 2333.

No. 716. MONEY INCOME OF HOUSEHOLDS—PERCENT DISTRIBUTION BY INCOME LEVEL IN CONSTANT (1988) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1988

[Households as of March of following year. Based on Current Population Survey; see text, sections 1 and 14, and Appendix III. Hispanic persons may be of any race. For definitions of household and race, see text, section 1. For definition of median, see Guide to Tabular Presentation.]

RACE AND HISPANIC ORIGIN OF HOUSEHOLDER AND YEAR	Number of households (1,000)	PERCENT DISTRIBUTION, BY INCOME LEVEL							Median income (dol.)
		Under \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 and over	
ALL HOUSEHOLDS ¹									
1970	64,778	7.3	10.4	9.3	20.0	19.5	18.6	15.0	26,630
1975	72,867	5.7	12.2	10.6	20.0	17.9	18.9	15.2	25,947
1980	82,368	6.3	12.0	11.1	20.0	17.5	17.5	15.8	25,426
1983 ²	85,290	6.9	11.9	11.3	20.4	16.5	16.9	16.2	24,964
1984	86,789	6.4	11.9	10.9	19.7	16.9	16.7	17.5	25,522
1985	86,458	6.5	11.7	10.5	19.7	16.5	16.9	18.2	25,967
1986	89,479	6.8	11.2	10.1	19.2	16.2	17.1	19.7	26,873
1987 ³	91,124	6.3	11.0	10.3	18.8	15.9	17.2	20.3	27,139
1988 ³	92,830	6.2	10.8	10.3	18.6	16.0	17.3	20.8	27,225
WHITE									
1970	57,575	6.6	9.6	8.9	19.5	20.1	19.5	15.8	27,736
1975	64,392	4.9	11.2	10.3	19.9	18.4	18.1	16.2	27,194
1980	71,872	5.2	11.1	10.6	20.0	17.9	18.4	16.9	26,824
1983 ²	74,170	5.6	10.9	11.0	20.5	17.0	17.6	17.3	26,172
1984	75,328	5.2	11.0	10.5	19.8	17.4	17.5	18.6	26,924
1985	76,576	5.4	10.8	10.2	19.6	17.0	17.8	19.4	27,385
1986	77,284	5.3	10.5	9.7	19.1	16.7	17.9	21.0	28,253
1987 ³	78,519	5.0	10.1	10.0	18.7	16.5	18.0	21.7	28,594
1988 ³	79,734	5.0	9.8	9.8	18.6	16.5	18.1	22.1	28,781
BLACK									
1970	6,180	13.8	17.8	13.3	24.0	14.6	10.8	5.7	16,882
1975	7,489	12.7	20.9	13.6	21.7	14.4	11.3	5.4	16,289
1980	8,847	15.5	19.3	15.0	20.1	13.6	10.2	6.3	15,454
1983 ²	9,243	16.9	18.9	13.9	20.1	12.6	10.3	6.3	14,815
1984	9,480	15.5	19.7	14.7	20.0	12.9	9.9	7.3	15,398
1985	9,797	15.2	18.7	13.2	20.8	13.3	11.0	7.8	16,293
1986	9,922	17.1	17.1	13.1	20.0	12.8	11.5	8.5	16,277
1987 ³	10,192	16.4	18.1	13.0	20.6	12.2	11.0	8.8	16,320
1988 ³	10,561	15.4	18.4	13.1	19.4	12.5	11.4	9.9	16,407
HISPANIC									
1975	2,948	8.0	15.0	15.1	24.9	17.8	12.9	6.3	19,493
1980	3,906	8.7	14.8	15.2	23.5	15.7	13.9	6.2	19,598
1983 ²	4,666	9.3	18.0	13.3	23.3	15.8	12.3	6.2	18,759
1984	4,883	10.0	16.0	13.7	21.2	17.2	12.9	9.0	19,347
1985	5,213	8.9	17.3	14.2	21.8	15.6	12.6	9.6	19,202
1986	5,418	9.8	15.0	13.5	22.0	15.7	13.1	10.8	19,809
1987 ³	5,642	10.0	14.8	14.1	22.2	14.6	13.4	11.0	20,136
1988 ³	5,910	9.9	13.6	13.7	22.1	15.5	14.3	10.8	20,359

¹ Includes other races not shown separately. ² Beginning 1983, data based on revised Hispanic population controls; data not directly comparable with prior years. ³ Based on revised processing procedures; data not directly comparable with prior years. See text, section 14, and source.

No. 717. MONEY INCOME OF HOUSEHOLDS—MEDIAN HOUSEHOLD INCOME IN CURRENT AND CONSTANT (1988) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1988

[See headnote, table 716. Minus sign (-) indicates decrease. For definition of median, see Guide to Tabular Presentation.]

YEAR	MEDIAN INCOME IN CURRENT DOLLARS (dol.)				MEDIAN INCOME IN CONSTANT (1988) DOLLARS (dol.)				ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL HOUSEHOLDS	
	All households ¹	White	Black	Hispanic ²	All households ¹	White	Black	Hispanic ³	Current dollars	Constant dollars
1970	8,734	9,097	5,537	(NA)	26,630	27,736	16,882	(NA)	³ 6.9	³ 1.7
1975	11,800	12,340	7,408	8,865	25,947	27,134	16,289	19,493	6.2	-
1976	12,686	13,289	7,902	9,569	26,375	27,629	16,429	19,895	7.5	1.6
1977	13,572	14,272	8,422	10,647	26,495	27,861	16,441	20,784	7.0	.5
1978	15,064	15,660	9,411	11,803	27,332	28,414	17,075	21,416	11.0	3.2
1979	16,461	17,259	10,133	13,042	28,823	28,123	16,511	21,252	9.3	-1.9
1980	17,710	18,684	10,764	13,651	25,426	26,824	15,454	19,598	7.6	-5.2
1981	19,074	20,153	11,309	15,300	24,823	26,228	14,718	19,912	7.7	-2.4
1982	20,171	21,117	11,968	15,178	24,728	25,887	14,672	18,607	5.8	-4
1983 ⁴	21,018	22,035	12,473	15,784	24,964	26,172	14,615	18,759	4.6	1.0
1984	22,415	23,647	13,471	16,992	25,522	26,924	15,338	19,347	6.6	2.2
1985	23,618	24,908	14,819	17,465	25,967	27,385	15,293	19,202	5.4	1.7
1986	24,897	26,175	15,080	18,352	26,873	28,253	16,277	19,809	5.4	3.0
1987 ⁵	26,061	27,458	15,672	19,336	27,139	28,594	16,320	20,136	4.7	1.0
1988 ⁵	27,225	28,781	16,407	20,359	27,225	28,781	16,407	20,359	4.5	.3

NA Not available. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Change from 1967. ⁴ Beginning 1983, data based on revised Hispanic population controls; data not directly comparable with prior years. ⁵ Based on revised processing procedures; data not directly comparable with prior years. See text, section 14, and source.

Source of tables 716 and 717: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 166; and unpublished data.

NO. 718. MONEY INCOME OF HOUSEHOLDS—PERCENT DISTRIBUTION BY MONEY INCOME LEVEL AND SELECTED CHARACTERISTICS: 1987

[Households as of March 1988. Based on old processing methods; therefore data will not agree with other tables. See text, section 14. For definition of median, see Guide to Tabular Presentation. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	Total households (1,000)	PERCENT DISTRIBUTION OF HOUSEHOLDS BY INCOME LEVEL (in dollars)								Median income (dollars)
		Under 5,000	5,000-9,999	10,000-14,999	15,000-24,999	25,000-34,999	35,000-49,999	50,000-74,999	75,000 and over	
Total ¹	91,066	6.9	11.5	10.6	19.2	16.1	17.2	12.2	6.3	25,986
Age of householder:										
15-24 years	5,228	13.8	16.6	15.8	25.6	15.8	8.1	3.6	.9	16,204
25-34 years	20,583	5.7	7.8	9.6	22.2	20.3	20.4	10.9	3.0	26,923
35-44 years	19,323	4.3	6.1	6.6	15.7	17.5	23.5	17.5	8.9	34,929
45-54 years	13,630	4.9	5.6	6.8	14.0	15.3	20.5	20.0	13.1	37,250
55-64 years	12,846	7.5	9.9	9.5	18.8	15.2	17.0	13.7	8.3	27,538
65 years and over	19,456	9.9	24.5	17.8	22.1	11.5	7.9	4.1	2.3	14,334
White	78,469	5.4	10.7	10.2	19.2	16.7	18.1	13.0	6.7	27,427
Black	10,186	17.9	17.7	13.3	20.7	12.2	10.8	5.5	2.0	15,475
Hispanic ²	5,698	10.4	15.5	14.2	21.7	14.9	13.4	7.0	2.9	19,305
Northeast	19,137	6.0	11.9	9.0	17.8	15.9	18.0	13.5	8.0	28,069
Midwest	22,402	6.7	11.9	10.7	19.3	17.1	17.5	11.8	5.0	25,722
South	31,047	9.0	11.7	11.6	20.0	15.3	16.3	10.9	5.3	23,719
West	18,480	4.6	10.2	10.6	19.5	16.3	17.7	13.5	7.7	27,914
Size of household:										
One person	21,889	15.6	25.2	15.8	20.9	11.6	7.3	2.5	1.2	12,544
Two persons	29,295	4.5	8.7	11.5	22.2	17.9	17.7	11.7	5.7	26,481
Three persons	16,163	4.8	6.1	7.7	17.8	17.6	21.4	16.6	8.0	32,348
Four persons	14,143	3.0	5.0	6.1	14.8	17.3	23.5	19.6	10.6	36,805
Five persons	6,081	2.9	6.6	6.7	14.9	17.2	23.1	17.9	10.7	35,825
Six persons	2,176	4.8	7.7	8.5	15.0	15.8	21.6	17.8	8.8	33,871
Seven persons or more	1,320	4.5	8.9	8.9	18.1	15.3	18.0	15.8	10.6	30,800
Marital status:										
Male householder	62,773	3.4	6.7	8.9	18.9	17.8	20.7	15.5	8.1	31,534
Married, wife present	48,748	1.7	4.6	7.7	18.0	18.3	22.7	17.7	9.3	34,782
Married, wife absent	1,230	10.9	14.9	14.5	21.6	14.1	13.3	6.6	4.1	19,496
Widowed	1,920	10.8	26.7	17.3	18.7	11.3	7.3	6.2	1.8	13,424
Divorced	3,957	8.4	10.8	12.1	20.3	17.5	16.2	9.7	4.9	24,005
Single (never married)	6,477	8.9	11.9	12.5	24.4	16.4	14.4	7.7	3.7	21,493
Female householder	28,293	14.5	22.1	14.4	20.0	12.4	9.4	4.9	2.2	14,600
Married, husband present	3,061	2.7	6.6	7.3	16.4	17.4	22.8	16.7	10.2	34,847
Married, husband absent	2,156	24.7	23.4	15.5	19.9	9.0	5.8	1.2	.6	10,517
Widowed	9,628	15.2	34.0	16.6	17.0	8.4	5.4	2.2	1.1	10,209
Divorced	6,527	12.1	16.2	15.2	23.8	14.7	11.2	5.0	1.7	17,597
Single (never married)	6,310	16.9	17.6	13.1	22.5	15.3	8.7	4.6	1.2	15,759
Education attainment of householder:³										
Elementary school	11,500	16.3	26.7	17.2	19.7	9.9	6.4	2.9	.8	11,790
Less than 8 years	6,437	18.4	27.9	17.3	18.1	8.9	5.9	2.7	.7	10,884
8 years	5,063	13.7	25.2	17.1	21.7	11.0	7.0	3.1	1.0	12,999
High school	41,037	6.8	12.4	12.0	21.8	17.8	17.0	9.5	2.8	23,382
1-3 years	10,476	10.9	19.4	14.9	22.2	14.2	11.2	5.6	1.6	16,727
4 years	30,561	5.4	10.0	11.0	21.6	19.0	18.9	10.8	3.2	25,910
College	33,301	2.6	4.3	5.8	15.1	16.3	22.7	20.1	13.2	38,337
1-3 years	14,294	3.6	6.6	8.1	18.7	18.1	22.6	16.1	6.1	31,865
4 years or more	19,007	1.8	2.5	4.1	12.4	14.9	22.8	23.0	18.5	43,952
Tenure:										
Owner occupied	58,214	3.8	8.1	8.5	17.5	16.8	20.4	16.1	8.7	31,903
Renter occupied	31,180	12.0	17.3	14.2	22.6	15.0	11.6	5.4	1.9	17,474
Occupier paid no cash rent	1,672	17.7	20.8	15.2	20.5	11.2	9.7	3.5	1.4	13,613

¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ 25 years old and over.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

NO. 719. MONEY INCOME OF HOUSEHOLDS—AGGREGATE AND MEAN INCOME, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1987

[As of March 1988. See headnote, table 716. Based on old processing methods; see text, section 14. For number of households by characteristic, see table 61. For definition of mean, see Guide to Tabular Presentation]

CHARACTERISTIC	ALL RACES ¹		WHITE		BLACK		HISPANIC ²	
	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)	Aggregate money income (bil. dol.)	Mean income (dol.)
Total	2,927.2	32,144	2,630.7	33,526	211.3	20,743	140.5	24,666
Age of householder:								
15-24 years old.....	102.0	19,504	90.7	20,830	8.5	12,573	10.4	18,601
25-34 years old.....	621.6	30,200	554.2	31,913	50.0	19,277	40.8	23,493
35-44 years old.....	763.8	39,529	676.0	41,154	60.4	26,647	39.2	28,737
45-54 years old.....	587.0	43,796	532.5	45,997	43.6	27,889	25.3	30,631
55-64 years old.....	447.3	34,818	410.7	36,445	26.7	20,174	16.8	24,474
65 years old and over.....	395.6	20,333	366.7	21,029	22.2	12,622	8.1	15,332
Region:								
Northeast.....	660.9	34,535	604.2	35,641	40.6	22,937	25.2	22,238
Midwest.....	691.9	30,886	640.4	31,945	40.7	20,171	9.4	24,470
South.....	929.2	29,928	808.5	32,130	108.1	19,735	43.4	23,347
West.....	645.3	34,918	577.6	35,424	21.9	23,776	62.6	26,936
Size of household:								
One person.....	380.1	17,363	340.6	18,048	32.6	12,355	11.4	13,547
Two persons.....	951.5	32,482	883.2	33,793	50.5	19,860	28.2	22,421
Three persons.....	608.0	37,615	543.0	39,645	45.2	23,754	29.5	25,663
Four persons.....	599.6	42,394	536.8	44,328	43.3	26,923	35.5	29,951
Five persons.....	251.8	41,413	219.5	43,687	21.1	26,588	18.8	27,841
Six persons.....	84.8	38,981	69.3	41,197	10.0	27,597	9.0	27,861
Seven persons or more.....	51.4	38,971	38.3	43,241	8.6	25,269	8.1	30,858
Education attainment of householder:								
Elementary school:								
Less than 8 years.....	102.5	15,579	81.2	16,431	17.5	12,494	25.1	16,279
8 years.....	90.2	17,509	80.0	17,816	8.8	15,143	6.8	17,603
High school:								
1-3 years.....	238.5	21,182	206.1	22,759	28.3	14,112	18.1	19,860
4 years.....	952.9	29,069	860.9	30,065	75.2	21,139	41.0	26,443
College:								
1-3 years.....	540.6	34,677	482.8	35,646	40.6	26,078	22.7	31,367
4 years or more.....	1,002.5	50,879	919.7	51,669	40.9	37,700	26.7	46,163
Occupation of longest job of householder:								
Total	2,481.9	38,017	2,233.5	39,219	173.5	26,637	123.5	29,094
Managerial and professional specialty.....	966.9	52,465	892.2	53,036	41.4	40,714	30.0	46,845
Technical, sales, and administrative support.....	596.8	37,456	536.0	38,564	40.5	28,303	25.9	30,408
Service workers.....	163.2	29,039	128.4	24,542	28.9	18,188	14.0	22,086
Farming, forestry, and fishing.....	53.6	24,707	50.6	25,228	1.9	14,902	5.7	19,878
Precision production, crafts, and repair.....	378.6	35,130	350.6	35,429	21.1	30,532	20.9	27,876
Operators, fabricators, and laborers.....	320.4	29,664	273.6	30,343	39.5	25,681	26.8	24,956

¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Includes in Armed Forces, not shown separately.

NO. 720. HOUSEHOLD TYPE, BY MEDIAN INCOME AND INCOME LEVEL: 1987

[Households as of March 1988. See headnote, table 716. Based on old processing methods; see text, section 14]

ITEM	All households	FAMILY HOUSEHOLDS				NONFAMILY HOUSEHOLDS				
		Total	Married couple	Male householder, wife absent	Female householder, husband absent	Total	Single-person household		Multiple-person household	
							Total	Male householder		Female householder
MEDIAN INCOME (dol.)										
All households	25,986	31,135	34,786	26,157	15,419	14,885	12,544	16,703	10,576	30,573
White.....	27,427	32,558	35,355	27,574	17,961	15,522	13,281	17,901	11,029	31,888
Black.....	15,475	18,561	27,238	18,758	10,017	9,529	7,981	10,383	6,730	19,504
Hispanic ¹	19,305	20,852	25,081	22,030	10,627	12,138	9,883	11,739	7,934	23,500
NUMBER (1,000)										
All households	91,066	65,133	51,809	2,715	10,608	25,933	21,889	8,788	13,101	4,044
Under \$5,000.....	6,271	2,751	927	142	1,682	3,520	3,412	1,101	2,312	107
\$5,000-\$9,999.....	10,446	4,662	2,437	254	1,970	5,784	5,507	1,546	3,961	277
\$10,000-\$14,999.....	9,658	5,788	3,963	290	1,536	3,870	3,455	1,345	2,110	415
\$15,000-\$19,999.....	9,136	6,137	4,564	307	1,266	2,999	2,582	1,036	1,547	417
\$20,000-\$24,999.....	8,405	6,013	4,721	286	1,006	2,393	1,999	948	1,052	393
\$25,000-\$34,999.....	14,664	11,404	9,477	525	1,404	3,260	2,530	1,276	1,253	730
\$35,000-\$49,999.....	15,877	13,265	11,751	469	1,046	2,412	1,592	955	639	818
\$50,000 and over.....	16,809	15,113	13,970	444	699	1,696	810	584	227	886

¹ Hispanic persons may be of any race.

Source of tables 719 and 720: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 162.

NO. 721. MONEY INCOME OF HOUSEHOLDS—MEAN AFTER-TAX HOUSEHOLD INCOME IN CONSTANT (1986) DOLLARS, BY SELECTED CHARACTERISTICS: 1980 TO 1986

(In dollars, except percent. Households as of March of following year. Estimates of after-tax income were derived from tax simulation procedures based on a "statistical" combination of data from the Internal Revenue Service, summaries of State individual income tax regulations, data on the characteristics of persons paying FICA payroll taxes from the Social Security Administration, property tax information from the Annual Housing Survey, and the March Current Population Survey microdata file. For additional information on methodology, see source. For composition of regions, see fig. 1, inside front cover)

CHARACTERISTIC	AFTER-TAX HOUSEHOLD INCOME						AVERAGE ANNUAL PERCENT CHANGE				
	1980	1982	1983	1984	1985	1986	1980-1982	1982-1983	1983-1984	1984-1985	1985-1986
All households	21,652	21,499	22,173	22,763	23,082	23,663	- .4	3.1	2.7	1.4	2.6
Age of householder:											
Under 65 years	23,471	23,033	23,761	24,388	24,832	25,535	- .9	2.9	2.6	1.8	2.8
65 years old and over.....	14,612	15,560	16,162	16,621	16,510	16,811	3.2	3.9	2.8	- .7	1.8
Race and Hispanic origin:											
White.....	22,424	22,293	23,011	23,614	23,936	24,570	- .3	3.2	2.6	1.4	2.6
Black.....	15,236	14,723	15,113	15,822	16,094	16,398	- .7	2.6	3.4	3.0	1.9
Hispanic ¹	18,030	17,371	17,660	18,324	18,265	18,817	- 1.8	1.7	3.8	- .3	3.0
Region:											
Northeast.....	21,620	21,493	22,530	23,224	24,103	24,742	- .3	4.8	3.1	3.8	2.7
Midwest.....	21,872	21,331	21,733	22,025	22,332	22,992	- 1.2	1.9	1.3	1.4	3.0
South.....	20,754	20,921	21,553	22,118	21,982	22,618	- .4	3.1	2.6	- .8	2.9
West.....	22,912	22,718	23,402	24,319	24,819	25,225	- .4	3.0	3.9	2.1	1.6
Type of family:											
Married couples with children ²	27,302	26,620	27,350	28,331	28,936	29,966	- 1.3	2.8	3.6	2.1	3.6
Married couples without children ³	25,764	26,013	27,136	27,925	28,245	29,150	.5	4.3	2.9	1.1	3.2
Female householders with related children ³	13,161	12,366	12,455	12,923	13,345	13,134	- 3.1	.7	3.8	3.3	- 1.6

¹ Hispanic persons may be of any race. ² Related children under 18 years old. ³ No husband present.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 157, and unpublished data.

NO. 722. NUMBER OF HOUSEHOLDS PAYING TAXES AND AMOUNT OF TAXES, BY TYPE OF TAX AND BEFORE-TAX MONEY INCOME: 1986

[Households as of March 1987. See headnote, table 716]

TYPE OF TAX	Unit	BEFORE TAX MONEY INCOME								
		Total	Under 5,000	5,000-9,999	10,000-14,999	15,000-19,999	20,000-24,999	25,000-34,999	35,000-49,999	50,000 and over
All households	1,000	89,479	6,657	10,473	9,854	9,302	8,617	14,811	14,757	15,007
Households paying—										
One of more taxes ¹	1,000.....	82,979	3,745	7,757	9,218	9,109	8,593	14,796	14,754	15,007
Federal income taxes.....	1,000.....	66,873	239	2,058	6,125	7,839	8,197	14,683	14,730	15,003
State income taxes.....	1,000.....	58,133	443	2,495	5,068	6,410	6,611	12,161	12,281	12,666
FICA payroll taxes.....	1,000.....	66,835	2,004	4,340	6,242	6,801	7,018	12,748	13,523	14,159
Federal retirement taxes.....	1,000.....	3,347	26	58	154	223	247	711	898	1,029
Property taxes.....	1,000.....	54,076	2,274	4,560	4,720	4,888	4,887	9,391	10,868	12,489
Taxes paid	Bil. dol.	634.6	1.8	5.9	13.3	22.7	31.4	84.5	137.0	337.9
Percent of taxes paid:										
Federal income taxes.....	Percent.....	56.8	2.2	11.4	30.5	40.0	45.3	49.0	52.7	64.8
State income taxes.....	Percent.....	13.2	1.4	3.9	7.8	9.7	10.9	12.3	13.1	14.4
FICA payroll taxes.....	Percent.....	21.6	19.7	31.2	34.7	32.1	31.0	28.4	25.8	15.9
Federal retirement taxes.....	Percent.....	1.1	.2	.3	.8	1.0	1.1	1.5	1.5	.9
Property taxes.....	Percent.....	7.3	76.5	53.2	26.5	17.2	11.6	8.8	7.0	4.0
Average tax paid ²	Dollars	7,647	492	782	1,446	2,483	3,660	5,710	9,285	22,518
Federal income taxes.....	Dollars.....	5,236	169	326	664	1,155	1,739	2,821	4,899	14,592
State income taxes.....	Dollars.....	1,442	57	91	199	341	521	856	1,456	3,842
FICA payroll taxes.....	Dollars.....	2,049	181	425	740	1,067	1,391	1,881	2,611	3,798
Federal retirement taxes.....	Dollars.....	2,145	(b)	719	1,024	1,374	1,797	2,277	3,064	
Property taxes.....	Dollars.....	851	620	689	747	795	746	788	882	1,075

¹ Base figure too small to meet statistical standards for reliability of derived figure. ² Figures will not add as more than one type of tax may be reported for each household. ³ Based on households paying taxes.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-23, No. 157, and unpublished data.

NO. 723. HOUSEHOLDS WITH DISCRETIONARY INCOME—SELECTED INCOME MEASURES: 1986

[Households as of March 1987 and income figures are for the preceding year, expressed in 1986 dollars. Discretionary income is the amount of money which would permit a household to maintain a living standard comfortably higher (30% or more) than the average for similar households. For methodology, see source.]

CHARACTERISTIC	ALL HOUSEHOLDS		HOUSEHOLDS WITH DISCRETIONARY INCOME					
	Number (1,000)	Aggregate income after taxes (bil. dol.)	Households		Average income		Spendable discretionary income	
			Number (1,000)	Per- cent of all house- holds	Before taxes (dol.)	After taxes (dol.)	Aggregate income (bil. dol.)	Average in- come (dol.)
Total	89,479	2,165.1	25,869	28.9	56,605	41,940	319.0	12,332
Age of householder:								
15-24 years old.....	5,197	78.0	972	18.7	38,241	30,124	7.6	7,790
25-29 years old.....	9,652	205.9	2,646	27.4	48,547	36,618	24.2	9,130
30-34 years old.....	10,850	264.3	3,419	31.5	54,243	40,067	37.3	10,819
35-39 years old.....	10,155	280.2	3,349	33.0	60,049	43,585	41.5	12,405
40-44 years old.....	8,549	259.1	2,605	30.5	66,133	47,891	36.5	13,999
45-49 years old.....	6,868	218.3	2,299	33.4	69,412	49,968	33.2	14,448
50-54 years old.....	6,323	193.0	2,008	31.8	68,181	49,079	27.2	13,550
55-59 years old.....	6,443	178.5	2,252	35.0	61,480	44,906	32.8	14,584
60-64 years old.....	6,424	157.8	1,848	28.8	61,001	44,262	26.5	14,356
65-69 years old.....	6,086	125.3	1,523	25.0	50,447	38,966	19.7	12,921
70 years old and over.....	12,912	204.6	2,946	22.8	39,117	32,344	32.5	11,015
Race and Hispanic origin of householder:								
White.....	77,284	1,940.8	23,927	31.0	56,786	42,040	298.9	12,491
Black.....	12,195	224.3	1,942	15.9	54,368	40,713	20.2	10,374
Hispanic ¹	5,418	103.5	761	14.1	54,245	41,505	7.0	9,174
Divisions:								
New England.....	4,793	132.5	1,624	33.9	59,570	44,607	21.8	13,432
Middle Atlantic.....	14,080	349.6	3,738	26.5	61,168	43,971	47.3	12,667
East North Central.....	15,378	370.0	4,487	29.2	53,700	40,486	50.8	11,311
West North Central.....	6,595	147.6	1,814	27.5	51,771	38,231	18.5	10,211
South Atlantic.....	15,465	371.8	4,657	30.1	55,701	41,466	60.3	12,946
East South Central.....	5,556	107.4	1,426	25.7	47,661	36,351	15.9	11,119
West South Central.....	9,599	224.5	2,782	29.0	56,203	42,711	37.9	13,615
Mountain.....	4,844	114.3	1,320	27.2	55,782	41,261	16.2	12,921
Pacific.....	13,170	347.3	4,022	30.5	61,360	44,486	50.3	12,520
Size of household:								
One person.....	21,128	277.2	5,640	26.7	34,224	25,424	48.8	8,655
Two persons.....	28,602	705.4	8,843	30.9	57,587	42,626	115.6	13,077
Three persons.....	16,159	453.0	4,781	29.6	64,464	47,365	65.8	13,758
Four persons.....	13,984	431.5	3,970	28.4	68,520	50,595	51.5	12,981
Five persons.....	6,162	193.1	1,726	28.0	68,612	51,550	23.8	13,805
Six persons or more.....	3,443	104.9	909	26.4	69,742	53,168	13.4	14,781
Educational attainment of householder:								
Less than 12 years.....	23,012	355.1	2,604	11.3	43,783	34,508	21.9	8,416
12 years.....	32,023	718.5	7,850	24.5	48,448	37,296	70.8	9,999
College: total.....	34,445	1,091.6	15,414	44.8	62,925	45,561	226.5	14,682
1 to 3 years.....	15,456	402.5	5,051	32.7	54,253	40,904	56.7	11,226
4 years.....	10,408	350.6	5,249	50.4	63,043	45,427	76.4	14,559
5 years or more.....	8,581	338.4	5,115	59.6	71,369	50,296	93.3	18,250
Number of earners:								
No earners.....	19,038	236.3	2,840	14.9	35,709	30,329	28.3	9,958
One earner.....	29,789	594.2	7,562	25.4	48,094	34,641	84.5	11,172
Two earners.....	30,707	925.6	11,220	36.5	60,391	44,346	136.1	12,309
Three earners or more.....	9,945	409.0	4,246	42.7	75,737	55,996	68.1	16,049
Type of earners:								
Husband working, wife not working.....	12,812	370.2	3,426	26.7	69,704	49,945	54.4	15,868
Husband and wife working.....	29,291	994.2	12,067	41.2	64,783	47,512	160.6	13,308
All other households.....	47,376	800.7	10,376	21.9	42,768	32,817	104.1	10,030
Occupation:								
Managerial and professional specialty.....	17,826	653.9	9,512	53.4	67,743	48,138	151.8	15,961
Technical sales and administrative support.....	15,767	425.4	5,210	33.0	57,570	41,963	62.6	12,021
Precision production, craft, repair operators, fabricators, and laborers.....	21,553	533.6	5,551	25.8	49,874	38,029	47.3	8,519
Service, farming, forestry, and fishing.....	9,158	171.3	1,433	15.6	50,371	38,510	13.8	9,633
Nonworker or in the Armed Forces.....	25,175	380.9	4,163	16.5	41,066	34,146	43.5	10,444
Household income:								
Under \$15,000.....	26,984	205.8	197	.7	13,855	13,213	.2	1,014
\$15,000-\$19,000.....	9,303	142.5	694	7.5	17,570	16,108	1.6	2,304
\$20,000-\$24,999.....	8,617	164.5	1,011	11.7	22,558	19,303	3.5	3,438
\$25,000-\$29,999.....	7,793	175.6	1,662	21.5	27,460	22,733	6.2	3,737
\$30,000-\$34,999.....	7,078	186.4	2,248	31.8	32,327	26,323	10.6	4,700
\$35,000-\$39,999.....	6,089	182.0	2,278	37.4	37,453	29,990	13.3	5,841
\$40,000-\$49,999.....	6,667	302.6	4,807	55.5	44,767	35,190	32.4	6,746
\$50,000-\$74,999.....	10,085	456.6	8,146	80.8	60,163	45,618	93.6	11,493
\$75,000-\$99,999.....	2,938	180.5	2,885	100.0	84,785	61,466	65.8	22,818
\$100,000 and over.....	1,984	169.6	1,940	100.0	140,759	86,745	91.8	47,320

¹ Hispanic persons may be of any race.

NO. 724. MONEY INCOME OF HOUSEHOLDS—PERCENT DISTRIBUTION BY QUINTILE AND INDEX OF INCOME CONCENTRATION, BY DEFINITION OF INCOME: 1986

[Based on 89,479,000 households as of March 1987. Based on Current Population Survey; see text, sections 1 and 14. For explanation of money income definitions, see text, section 14. For definition of median, see Guide to Tabular Presentation]

Defi- nition num- ber	DEFINITION OF INCOME	Total in- come (bil. dol.)	SHARE OF AGGREGATE INCOME BY QUINTILE					Index of in- come con- cen- tra- tion ¹	Medi- an in- come (dol.)
			Low- est quin- tile	Sec- ond quin- tile	Third quin- tile	Fourth quin- tile	Highest quin- tile		
INCOME BEFORE TAXES									
1	Money income excluding capital gains (current) measure ²	2,752	3.8	9.7	16.4	24.0	46.1	.420	24,897
2	Definition 1 less government money transfers.....	2,533	1.1	8.2	16.0	25.6	49.2	.473	22,745
3	Definition 2 plus capital gains.....	2,780	1.0	7.6	15.1	23.9	52.5	.503	23,274
4	Definition 3 plus health insurance supplements to wage or salary income ³	2,871	1.0	7.6	15.0	24.1	52.4	.500	24,211
INCOME AFTER TAXES									
5	Definition 4 less Federal income taxes.....	2,510	1.1	8.2	15.7	24.4	50.6	.486	22,071
6	Definition 5 less State income taxes.....	2,426	1.1	8.4	15.8	24.5	50.2	.481	21,530
7	Definition 6 less Social Security payroll taxes.....	2,289	1.1	8.4	15.8	24.4	50.3	.483	20,180
8	Definition 7 plus nonmeans-tested government cash transfers ⁴	2,485	3.4	9.9	16.0	23.4	47.2	.434	22,204
9	Definition 8 plus nonmeans-tested government noncash transfers ⁵	2,539	3.6	10.4	16.2	23.3	48.5	.424	22,941
10	Definition 9 plus means-tested government cash transfers ⁶	2,562	4.2	10.4	16.1	23.2	46.1	.417	23,037
11	Definition 10 plus means-tested government noncash transfers ⁷	2,587	4.7	10.6	16.0	23.0	45.7	.408	23,220
12	Definition 11 plus net imputed return on equity in own home ⁸	2,780	4.9	10.5	16.1	23.0	45.5	.404	24,984

¹ A statistical measure of income equality ranging from 0 to 1. A measure of 0 indicates perfect equality (i.e. all persons having equal shares of wealth). A measure of 1 indicates perfect inequality (i.e. one person having all the wealth and the rest having none). ² Official definition of income based on money income before taxes and includes government cash transfers. ³ Employer contributions to the health insurance plans of employees. ⁴ Includes Social Security and Railroad Retirement, Veterans payments, and unemployment and workers' compensation. ⁵ Includes Medicare and subsidies from regular price school lunches. ⁶ Includes AFDC or other assistance or welfare payments and Supplemental Security income. Households must meet certain eligibility requirements in order to qualify for these benefits. (See section 12.) ⁷ Includes Medicaid, food stamps, subsidies from free or reduced-price school lunches, and rent subsidies. ⁸ Estimated amount of income a household would receive if it chose to shift amount held as home equity into an interest bearing account.

NO. 725. MEDIAN HOUSEHOLD INCOME, BY SELECTED CHARACTERISTICS AND DEFINITION OF INCOME: 1986

[In dollars, except as indicated. See headnote, table 724]

CHARACTERISTIC	BEFORE TAXES				AFTER TAXES									
	Money income			Definition 3 plus health insurance supplements to wage or salary income ²	Definition 4 less Federal income taxes	Definition 5 less State income taxes	Definition 6 less Social Security payroll taxes	Definition 7 plus nonmeans-tested government cash transfers ³	Definition 8 plus nonmeans-tested government noncash transfers ⁴	Definition 9 plus means-tested government cash transfers ⁵	Definition 10 plus means-tested government noncash transfers ⁶	Definition 11 plus net imputed return on equity in own home ⁷		
	Ex- cluding capital gains ¹	Defi- nition 1 less govern- ment trans- fers	Defi- nition 2 plus cap- ital gains										Def. 1	Def. 2	Def. 3	Def. 4	Def. 5	Def. 6	Def. 7	Def. 8	Def. 9	Def. 10	Def. 11	Def. 12
Total⁸.....	24,897	22,745	23,274	24,211	22,071	21,530	20,180	22,204	22,941	23,037	23,220	24,984		
White.....	26,175	24,220	24,800	25,673	23,328	22,766	21,310	23,300	24,055	24,115	24,244	26,118		
Black.....	15,080	12,993	13,231	13,730	12,984	12,701	11,913	13,653	14,270	14,738	15,427	16,313		
Hispanic.....	18,352	16,947	17,284	18,099	16,919	16,798	15,721	16,832	17,182	17,393	17,942	18,906		
Northeast.....	26,494	24,572	25,103	26,121	23,639	22,987	21,507	23,593	24,437	24,528	24,740	26,757		
Midwest.....	24,851	22,536	23,035	24,173	22,200	21,548	20,182	22,296	23,049	23,117	23,288	24,834		
South.....	22,578	20,721	21,137	21,732	19,849	19,573	18,372	20,351	21,066	21,138	21,295	22,887		
West.....	27,001	25,338	25,818	26,727	24,168	23,520	22,130	23,847	24,598	24,740	24,937	26,957		
Type of household:														
Married-couple families.....	32,876	31,373	32,027	33,515	30,473	29,652	27,747	29,347	29,924	29,976	30,056	32,367		
With related children under 18.....	34,293	33,490	34,226	35,759	32,639	31,762	29,556	30,230	30,334	30,380	30,485	32,290		
Female householder, husband absent.....	14,337	11,830	11,949	12,628	12,005	11,845	11,112	13,120	13,650	14,185	15,074	15,968		
With related children under 18.....	11,400	9,568	9,626	10,038	9,736	9,646	9,025	10,118	10,222	11,051	12,623	13,045		
Education of householder: ⁹														
Less than 12 years.....	13,298	8,263	8,460	8,651	8,385	8,325	7,925	12,593	14,033	14,352	14,822	16,348		
High school: 4 years.....	25,706	23,917	24,471	25,372	23,095	22,547	21,126	22,859	23,428	23,499	23,636	25,368		
College: 4 years or more.....	41,677	40,846	41,815	43,046	37,919	36,680	34,439	35,359	35,707	35,726	35,747	38,466		

¹ See footnote 2, table 724. ² See footnote 3, table 724. ³ See footnote 4, table 724. ⁴ See footnote 5, table 724. ⁵ See footnote 6, table 724. ⁶ See footnote 7, table 724. ⁷ See footnote 8, table 724. ⁸ Includes other races, not shown separately. ⁹ Householder 25 years old and over.

NO. 726. MONEY INCOME OF FAMILIES—PERCENT DISTRIBUTION BY INCOME LEVEL IN CONSTANT (1988) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1970 TO 1988

[Families as of March of following year. Beginning with 1980, based on householder concept and restricted to primary families. For definition of race, family, and householder, see text, section 1. Based on Current Population Survey, see text, sections 1 and 14 and Appendix III. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 1-8, G 16-23, G 190-192, and G 197-199]

RACE AND HISPANIC ORIGIN OF HOUSEHOLDER AND YEAR	Number of families (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL							Median income (dol.)
		Under \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 and over	
ALL FAMILIES									
1970	52,227	3.2	7.2	8.3	20.3	21.9	21.6	17.4	30,084
1975	56,245	2.7	7.5	9.4	20.0	20.1	21.8	18.5	30,166
1980	60,309	3.4	7.6	9.4	19.6	19.3	21.0	19.7	30,182
1984	62,706	4.3	7.7	9.5	18.9	18.3	19.8	21.6	30,096
1985	63,558	4.2	7.7	9.0	19.1	17.7	19.8	22.5	30,483
1986	64,491	4.2	7.1	8.7	18.4	17.4	20.0	24.2	31,796
1987 ¹	65,204	4.1	6.9	8.6	18.0	17.0	20.1	25.2	32,251
1988 ¹	65,837	4.0	6.8	8.8	17.8	16.9	20.0	25.7	32,191
WHITE									
1970	46,535	2.7	6.2	7.7	19.7	22.4	22.6	18.6	31,209
1975	49,873	2.2	6.3	8.8	19.7	20.5	22.7	19.7	31,374
1980	52,710	2.6	6.4	8.7	19.5	19.8	22.0	21.0	31,447
1984	54,400	3.2	6.5	8.9	18.8	18.9	22.0	22.9	31,523
1985	54,991	3.3	6.5	8.5	18.8	18.2	20.6	24.0	32,051
1986	55,676	3.1	6.0	8.1	18.2	17.9	20.9	25.8	33,255
1987 ¹	56,086	3.0	5.7	8.1	17.7	17.5	21.0	26.8	33,725
1988 ¹	56,492	3.0	5.5	8.1	17.7	17.4	21.0	27.4	33,915
BLACK									
1970	4,928	8.4	16.2	13.5	26.2	16.6	12.5	6.7	19,144
1975	5,586	6.9	18.3	14.7	23.2	16.4	13.7	6.9	19,304
1980	6,317	10.1	17.3	15.3	21.2	15.4	12.6	8.0	18,196
1984	6,778	12.6	17.6	14.4	20.8	14.3	11.4	8.9	17,570
1985	6,921	11.6	16.8	12.8	21.8	14.4	13.1	9.5	18,455
1986	7,096	12.5	15.5	13.3	20.0	14.2	13.6	10.8	19,001
1987 ¹	7,202	12.6	15.9	12.1	21.5	13.3	13.4	11.2	19,168
1988 ¹	7,409	11.9	15.4	13.6	19.7	13.4	13.3	12.6	19,329
HISPANIC²									
1975	2,499	5.6	13.8	14.9	25.3	19.4	14.1	6.9	21,002
1980	3,235	6.3	13.2	15.1	24.5	17.0	15.1	8.8	21,127
1984	3,939	7.9	13.8	14.1	21.4	18.3	14.3	10.1	21,442
1985	4,206	7.0	15.6	14.0	22.6	16.5	13.5	10.9	20,919
1986	4,403	7.8	13.6	13.9	22.1	16.8	13.9	11.9	21,582
1987 ¹	4,576	8.1	13.9	14.2	22.4	15.1	14.4	11.8	21,140
1988 ¹	4,823	8.4	11.9	13.6	22.2	16.5	15.5	11.9	21,769

¹ Based on revised processing procedures; data not directly comparable with prior years. See text, section 14, and source.

² Hispanic persons may be of any race.

NO. 727. MONEY INCOME OF FAMILIES—MEDIAN FAMILY INCOME IN CURRENT AND CONSTANT (1988) DOLLARS, BY RACE AND HISPANIC ORIGIN OF HOUSEHOLDER: 1960 TO 1988

[See headnote, table 726. For definition of median, see Guide to Tabular Presentation. Minus sign (-) indicates decrease]

YEAR	MEDIAN INCOME IN CURRENT DOLLARS (dol.)				MEDIAN INCOME IN CONSTANT (1988) DOLLARS (dol.)				ANNUAL PERCENT CHANGE OF MEDIAN INCOME OF ALL FAMILIES	
	All families ¹	White	Black	Hispanic ²	All families ¹	White	Black	Hispanic ²	Current dollars	Constant dollars
1960	5,620	5,835	3,230	(NA)	22,461	23,320	12,909	(NA)	4.9	2.9
1965	6,957	7,251	3,993	(NA)	26,127	27,232	14,996	(NA)	4.4	3.1
1970	9,867	10,236	6,279	(NA)	30,084	31,209	19,144	(NA)	7.2	2.9
1971	10,285	10,672	6,440	(NA)	30,042	31,173	18,811	(NA)	4.2	-1
1972	11,116	11,549	6,864	8,193	31,460	32,685	19,426	23,159	8.1	2.3
1973	12,051	12,595	7,269	8,715	32,190	33,556	19,368	23,220	8.4	4.4
1974	12,902	13,408	8,006	9,540	30,980	32,174	19,211	22,892	7.1	-3.8
1975	13,719	14,268	8,779	9,551	30,166	31,374	19,304	21,002	6.3	-2.6
1976	14,958	15,537	9,242	10,259	31,099	32,303	19,215	21,329	9.0	3.1
1977	16,009	16,740	9,563	11,421	31,252	32,679	18,668	22,295	7.0	.5
1978	17,640	18,368	10,879	12,566	32,006	33,327	19,739	22,800	10.2	2.4
1979	19,587	20,439	11,574	14,169	31,917	33,305	18,860	23,088	11.0	-3
1980	21,023	21,904	12,674	14,716	30,182	31,447	18,196	21,127	7.3	-5.4
1981	22,388	23,517	13,266	16,401	29,136	30,606	17,265	21,345	6.5	-3.5
1982	23,433	24,603	13,598	16,227	28,727	30,161	16,670	19,893	4.7	-1.4
1983	24,674	25,837	14,581	16,930	(NA)	(NA)	(NA)	(NA)	5.3	(NA)
1983 ³	(NA)	(NA)	(NA)	(NA)	29,307	30,668	17,295	20,109	(NA)	2.0
1984	26,433	27,666	15,432	18,833	30,096	31,523	17,570	21,442	7.1	2.7
1985	27,795	29,162	16,786	19,027	30,493	32,051	18,456	20,919	4.9	1.3
1986	29,458	30,809	17,604	19,985	31,796	33,255	19,001	21,582	6.2	4.3
1987	30,853	32,274	18,098	20,306	(NA)	(NA)	(NA)	(NA)	4.7	1.0
1987 ⁴	30,970	32,385	18,406	20,300	32,251	33,725	19,166	21,140	5.1	1.4
1988 ⁴	32,191	33,915	19,329	21,769	32,191	33,915	19,329	21,769	3.9	-2

NA Not available. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ For 1960 and 1965, Black and other races. ⁴ Change from 1955. ⁵ Beginning 1983, data based on revised Hispanic population controls, data not directly comparable with prior years. ⁶ Based on revised processing procedures; data not directly comparable with prior years. See text, section 14, and source.

Source of tables 726 and 727: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 166, and unpublished data.

No. 728. MONEY INCOME OF FAMILIES—INCOME AT SELECTED POSITIONS AND PERCENT OF AGGREGATE INCOME RECEIVED BY EACH FIFTH AND TOP 5 PERCENT OF FAMILIES: 1980 AND 1987

[Families as of **March of following year**. For composition of regions, see fig. 1, inside front cover. Based on Current Population Survey; see headnote, table 726. Based on old processing methods, therefore data will not agree with other tables. See text, section 14, and source. See also *Historical Statistics, Colonial Times to 1970*, series G 31-139]

ITEM	All families, 1980	1987							
		All families	RACE			REGION			
			White	Black and other		North-east	Mid-west	South	West
Total	Black								
Number (1,000)	60,309	65,133	56,044	9,089	7,177	13,382	15,905	22,846	13,000
INCOME AT SELECTED POSITIONS (dollars)									
Upper limit of each fifth:									
Lowest.....	10,286	14,450	16,057	7,514	6,800	16,308	15,001	12,833	15,606
Second.....	17,390	25,100	27,000	15,500	13,801	28,070	25,665	22,555	26,120
Third.....	24,630	36,600	38,200	25,500	22,590	40,100	36,300	34,200	38,200
Fourth.....	34,534	52,910	54,280	41,338	36,652	57,260	51,350	49,777	55,406
Top 5 percent.....	54,060	86,300	88,472	69,901	62,000	94,624	80,943	81,129	91,467
PERCENT DISTRIBUTION OF AGGREGATE INCOME									
Lowest fifth.....	5.1	4.6	5.1	3.2	3.3	4.7	4.9	4.3	4.8
Second fifth.....	11.6	10.8	11.2	8.5	8.7	11.4	11.4	10.5	10.7
Third fifth.....	17.5	16.9	17.0	15.3	15.5	17.4	17.4	16.7	16.5
Fourth fifth.....	24.3	24.1	23.8	24.8	25.1	24.1	24.2	24.3	23.7
Highest fifth.....	41.6	43.7	42.9	48.3	47.4	42.2	42.2	44.4	44.2
Top 5 percent.....	15.3	16.9	16.7	18.4	17.4	16.0	16.0	17.1	17.7

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 132 and 161.

No. 729. MONEY INCOME OF FAMILIES—MEDIAN FAMILY INCOME, BY RACE AND HISPANIC ORIGIN: 1988

[Families as of **March 1989**. Based on Current Population Survey; see text, section 1, and Appendix III. Based on revised processing methods; see text, section 14, and source. For composition of regions, see fig. 1, inside front cover. For definition of median, see Guide to Tabular Presentation]

CHARACTERISTIC	NUMBER (1,000)				MEDIAN FAMILY INCOME (dollars)			
	All families	White	Black	Hispanic ¹	All families	White	Black	Hispanic ¹
All families	65,837	56,492	7,409	4,823	32,191	33,915	19,329	21,789
Region:								
Northeast.....	13,518	11,905	1,225	865	36,454	37,598	24,495	20,591
Midwest.....	16,096	14,406	1,427	346	32,887	34,246	17,469	28,732
South.....	23,200	18,777	4,118	1,560	28,951	31,475	17,545	19,851
West.....	13,022	11,405	640	2,052	33,082	33,478	25,840	22,655
Type of family:								
Married-couple families.....	52,100	46,877	3,722	3,398	36,389	36,840	30,385	25,667
Wife in paid labor force.....	29,713	26,402	2,414	1,766	42,709	43,182	36,709	31,864
Wife not in paid labor force.....	22,387	20,475	1,308	1,632	27,220	27,958	18,515	19,117
Male householder ²	2,847	2,274	464	314	26,827	26,935	17,853	21,937
Female householder ³	10,890	7,342	3,223	1,112	15,346	17,672	10,657	10,687
With related children ³	33,768	(NA)	(NA)	(NA)	31,770	(NA)	(NA)	(NA)
Married couple.....	25,127	(NA)	(NA)	(NA)	38,164	(NA)	(NA)	(NA)
Male householder ²	1,262	(NA)	(NA)	(NA)	22,679	(NA)	(NA)	(NA)
Female householder ²	7,359	(NA)	(NA)	(NA)	11,965	(NA)	(NA)	(NA)
Number of earners:								
No earners.....	9,438	7,820	1,364	622	13,729	15,552	6,108	6,545
One earner.....	18,189	15,107	2,573	1,568	23,872	25,993	14,006	15,841
Two earners.....	28,984	25,513	2,654	1,891	38,702	39,413	31,875	28,401
Three earners.....	6,680	5,798	639	530	48,977	49,927	42,002	36,897
Four or more earners.....	2,546	2,255	179	213	64,920	65,853	53,635	49,138

NA Not available. ¹ Hispanic persons may be of any race. ² No spouse present. ³ Children under 18 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 166.

**NO. 730. MONEY INCOME OF FAMILIES—PERCENT DISTRIBUTION BY INCOME LEVEL, BY RACE AND
HISPANIC ORIGIN OF HOUSEHOLDER, AND SELECTED CHARACTERISTICS: 1987**

[Families as of March 1988. See headnote, table 726. Based on old processing methods: see text, section 14. For definitions, see text, section 1. For definition of median, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1870*, series G1-9 for U.S. data on total, White, Black and other races. For composition of regions, see fig. 1, inside front cover]

RACE OF HOUSEHOLDER, REGION, AND EDUCATION	Number of families (1,000)	PERCENT DISTRIBUTION OF FAMILIES, BY INCOME LEVEL—								Median income (dol.)
		Under \$5,000	\$5,000- \$9,999	\$10,000- \$14,999	\$15,000- \$24,999	\$25,000- \$34,999	\$35,000- \$49,999	\$50,000- \$74,999	\$75,000 and over	
All families ¹	65,133	4.4	7.3	9.0	18.7	17.5	20.2	15.1	7.8	30,853
White, total	58,044	3.2	6.1	8.6	18.4	18.1	21.2	16.1	8.4	32,274
Northeast	11,855	2.9	5.6	6.9	16.5	17.7	21.9	17.7	10.8	35,262
Midwest	14,240	2.9	6.0	8.1	18.7	19.4	22.0	16.2	6.6	32,149
South	18,559	3.8	6.9	9.5	19.2	17.5	20.8	14.7	7.5	30,729
West	11,389	2.9	5.7	9.2	18.7	17.7	20.0	16.4	9.4	32,521
Householder completed ² —										
Elementary school:										
Less than 8 years	3,259	7.7	21.1	20.3	23.9	13.1	8.7	4.1	1.1	15,264
8 years	2,798	5.8	13.0	18.5	29.6	16.6	10.5	4.4	1.5	18,718
High school:										
1-3 years	6,036	5.0	10.3	13.4	26.1	19.1	15.5	8.2	2.5	22,653
4 years	20,020	2.7	5.0	8.2	20.5	21.7	23.6	14.1	4.1	30,958
College:										
1-3 years	9,184	1.9	3.2	5.6	15.1	19.4	26.9	20.2	7.9	37,324
4 years or more	12,398	.7	1.0	2.3	8.2	12.3	24.0	28.2	23.3	50,906
Black, total	7,177	13.5	16.4	12.5	21.8	13.6	12.8	7.0	2.5	18,098
Northeast	1,189	12.6	14.4	10.2	21.6	12.7	16.0	8.6	3.8	20,678
Midwest	1,389	15.1	18.6	11.7	18.8	14.0	12.9	6.1	2.7	16,755
South	3,972	14.3	16.6	13.4	21.9	13.5	11.6	7.0	1.7	17,302
West	627	6.2	14.5	12.3	27.6	14.7	14.4	5.6	4.8	20,627
Householder completed ² —										
Elementary school:										
Less than 8 years	821	11.2	28.2	20.2	20.6	11.6	5.4	2.3	.5	12,149
8 years	382	15.2	23.6	17.8	22.0	7.8	7.9	5.5	.5	13,210
High school:										
1-3 years	1,306	18.1	23.6	15.5	19.4	10.4	8.8	3.6	.5	12,166
4 years	2,467	13.2	13.4	11.4	22.7	16.0	14.9	7.1	1.4	20,263
College:										
1-3 years	1,008	5.5	9.0	8.2	27.1	16.2	19.3	11.2	3.5	25,115
4 years or more	692	1.9	3.3	3.9	22.2	15.3	21.5	17.9	14.0	36,588
Hispanic, ³ total	4,588	8.5	14.4	14.7	21.9	15.7	14.0	7.9	2.9	20,306
Northeast	916	11.9	22.2	11.9	17.3	13.2	12.3	8.5	2.6	16,750
Midwest	306	11.4	13.7	8.5	22.5	18.8	13.7	9.1	2.6	21,985
South	1,477	10.4	14.5	15.6	21.9	14.5	13.8	6.4	2.8	18,798
West	1,889	5.0	10.6	16.3	24.0	17.4	14.9	8.6	3.2	22,142
Householder completed ² —										
Elementary school:										
Less than 8 years	1,165	10.7	23.1	21.8	22.0	13.3	6.0	2.8	.4	13,540
8 years	284	9.5	23.0	13.8	27.2	13.4	9.2	3.5	.4	16,319
High school:										
1-3 years	663	9.3	17.2	15.5	25.3	15.5	9.2	5.4	2.6	17,939
4 years	1,143	5.4	8.8	12.8	22.7	18.8	20.3	9.1	2.1	25,130
College:										
1-3 years	530	4.1	4.0	9.1	21.0	18.9	21.6	16.9	4.5	31,006
4 years or more	388	2.0	3.3	2.6	10.3	15.4	29.6	20.8	15.9	43,382

¹ Includes other races not shown separately.

² Restricted to families with householder 25 years old and over.

³ Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 162, and unpublished data.

NO. 731. MONEY INCOME OF FAMILIES, BY TYPE OF FAMILY AND INCOME LEVEL: 1987

[In thousands, except dollars. Families as of **March 1988**. Based on Current Population Survey; see headnote, table 726. Based on old processing methods; therefore data will not agree with other tables. See text, section 14, and source. For definition of median, see Guide to Tabular Presentation]

TYPE OF FAMILY	Number of families	INCOME LEVEL									Median income (dol.)
		Under \$5,000	\$5,000-\$9,999	\$10,000-\$14,999	\$15,000-\$19,999	\$20,000-\$24,999	\$25,000-\$34,999	\$35,000-\$49,999	\$50,000 and over		
All families	65,133	2,880	4,787	5,865	6,197	5,984	11,392	13,132	14,896	30,853	
Married-couple families.....	51,809	932	2,457	3,974	4,585	4,721	9,489	11,731	13,918	34,700	
Wife in paid labor force.....	29,112	262	588	1,183	1,735	2,314	5,286	7,862	9,871	40,422	
Wife employed.....	27,974	204	489	1,068	1,563	2,184	5,081	7,668	9,719	40,939	
Wife not employed.....	1,137	58	99	125	172	130	205	193	154	24,441	
Wife not in paid labor force.....	22,698	671	1,868	2,780	2,849	2,408	4,204	3,870	4,047	26,652	
Male householder ¹	2,715	173	275	309	330	281	531	426	390	24,804	
Female householder ¹	10,808	1,775	2,055	1,582	1,283	981	1,369	974	589	14,620	
With own children ²	31,920	1,990	2,522	2,807	2,687	2,764	5,585	6,744	7,020	30,983	
Married-couple.....	24,800	397	884	1,513	1,824	2,121	4,796	6,272	6,793	36,366	
Male householder ¹	1,047	109	109	142	143	104	192	148	97	20,967	
Female householder ¹	6,273	1,484	1,529	952	720	539	597	324	130	10,551	

¹ No spouse present. ² Children under 18 years old.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161.

NO. 732. MEDIAN MONEY INCOME OF FAMILIES AND UNRELATED INDIVIDUALS, IN CURRENT AND CONSTANT (1988) DOLLARS: 1970 TO 1988

[See headnote, table 726. Unrelated individuals are persons not living with any relatives. See text, sections 1 and 14. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 179-188]

ITEM	1970	1975	1980	1983	1984	1985	1986	1987	1987 ¹	1988 ¹
CURRENT DOLLARS										
Families: ²										
Married-couple families.....	10,516	14,867	23,141	27,286	29,812	31,100	32,805	34,700	34,879	36,389
Wife in paid labor force.....	12,276	17,237	26,879	32,107	34,668	36,431	38,346	40,458	40,751	42,709
Wife not in paid labor force.....	9,304	12,752	18,972	21,890	23,582	24,556	25,803	26,652	26,640	27,220
Male householder, no wife present.....	9,012	12,995	17,519	21,845	23,325	22,622	24,962	24,804	25,208	26,827
Female householder, no husband present.....	5,093	6,844	10,408	11,789	12,803	13,660	13,647	14,620	14,683	15,346
Unrelated individuals:										
Male.....	4,540	6,612	10,939	12,888	13,566	14,921	15,281	17,752	16,082	16,976
Female.....	2,483	3,978	6,668	8,863	9,501	9,865	10,142	8,101	11,029	11,881
CONSTANT (1988) DOLLARS										
Families: ²										
Married-couple families.....	32,063	32,691	33,223	32,409	33,716	34,193	35,409	(NA)	36,322	36,389
Wife in paid labor force.....	37,429	37,902	38,590	38,135	39,473	40,054	41,390	(NA)	42,437	42,709
Wife not in paid labor force.....	28,368	28,040	27,238	26,000	26,850	26,998	27,851	(NA)	27,742	27,220
Male householder, no wife present.....	27,477	28,575	25,152	25,946	26,558	24,872	26,943	(NA)	26,251	26,827
Female householder, no husband present.....	15,528	15,049	14,943	14,002	14,577	15,018	14,730	(NA)	15,290	15,346
Unrelated individuals:										
Male.....	13,842	14,539	15,705	15,308	15,446	16,405	16,494	(NA)	16,747	16,976
Female.....	7,571	8,747	9,573	10,527	10,818	10,846	10,947	(NA)	11,485	11,881

NA Not available. ¹ Based on revised processing procedures; data not directly comparable with prior years. See text, section 14, and source. ² Beginning 1980, based on household concept. Restricted to primary families, see source.

NO. 733. MEDIAN MONEY INCOME OF YEAR-ROUND FULL-TIME WORKERS WITH INCOME, BY SEX, AGE, RACE, AND HISPANIC ORIGIN: 1980 TO 1988

[Age as of **March** of following year. Refers to civilian workers. For definition of median, see Guide to Tabular Presentation]

ITEM	FEMALE					MALE				
	1980	1985	1987	1987 ¹	1988 ¹	1980	1985	1987	1987 ¹	1988 ¹
Total with income	\$11,591	\$16,252	\$17,504	\$17,564	\$18,545	\$19,173	\$24,999	\$26,666	\$26,681	\$27,342
15-19 years old.....	6,779	8,372	12,430	12,329	13,183	7,758	9,050	13,926	14,170	14,863
20-24 years old.....	9,407	11,757	17,583	17,552	18,486	12,109	13,827	23,804	23,554	24,284
25-34 years old.....	12,190	16,740	19,897	19,934	20,635	17,724	22,321	30,655	30,802	31,847
35-44 years old.....	12,239	18,032	19,087	19,299	20,174	21,777	28,966	32,821	32,170	32,701
45-54 years old.....	12,116	17,009	17,831	18,047	18,347	21,053	28,387	30,946	30,869	31,645
55-64 years old.....	11,931	16,761	17,831	18,047	18,347	21,053	28,387	30,946	30,869	31,645
65 years old and over.....	12,342	18,336	19,178	19,502	19,493	17,307	26,146	29,715	28,593	29,070
White.....	11,703	16,482	17,775	17,889	18,823	19,720	25,693	27,309	27,303	28,262
Black.....	10,915	14,590	16,211	15,978	16,867	13,875	17,971	19,385	19,522	20,716
Hispanic ²	9,887	13,522	14,893	14,802	15,201	13,790	17,344	17,872	17,680	18,190

¹ Based on revised processing procedures; data not directly comparable with prior years. See text, section 14, and source. ² Persons of Hispanic origin may be of any race. ³ 25 years old and over.

Source of tables 732 and 733: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 166, and earlier issues.

NO. 734. MONEY INCOME OF PERSONS—PERCENT DISTRIBUTION BY INCOME LEVEL, MEDIAN, AND MEAN INCOME, BY SEX, 1970 TO 1987, AND BY AGE, RACE, HISPANIC ORIGIN, AND REGION, 1987

[As of March of following year. For 1970 and 1975, persons 14 years old and over; thereafter, 15 years old and over. Based on Current Population Survey; see headnote, table 726. Based on old processing methods; see text, section 14. For definitions of median and mean, see Guide to Tabular Presentation. See *Historical Statistics, Colonial Times to 1970*, series G 257-266, for percent distribution by income level, and median income. For composition of regions, see fig. 1, inside front cover.]

SEX, YEAR, AGE, RACE, HISPANIC ORIGIN, AND REGION	All persons (mil.)	PERSONS WITH INCOME										Median income (dol.)	Mean income (dol.)	
		Total (mil.)	Percent distribution by income (in dollars) level—								35,000 and over			
			1 to 1,999 or less ¹	2,000-3,999	4,000-5,999	6,000-9,999	10,000-14,999	15,000-24,999	25,000-34,999					
MALE														
1970.....	70.6	65.0	18.8	13.7	12.9	27.9	17.7	6.8		2.5	6.670	7,537		
1975.....	77.6	71.2	12.9	12.0	10.8	19.6	21.7	17.5		5.4	8,853	10,429		
1980.....	82.9	78.7	9.1	8.0	8.2	14.7	17.1	25.5		10.8	12,530	15,340		
1981.....	84.0	79.7	8.9	7.6	7.6	14.1	15.8	24.5		12.8	13,473	16,515		
1982.....	85.0	79.7	9.1	7.0	7.3	13.4	16.0	23.6		13.3	12,950	17,381		
1983.....	86.1	80.9	9.0	6.9	6.9	12.8	15.2	23.2		13.9	14,631	18,109		
1984.....	87.0	82.2	8.1	6.5	6.8	12.3	14.6	22.4		15.1	15,600	19,438		
1985.....	88.5	83.6	7.5	5.9	6.3	12.2	14.5	22.3		15.3	16,311	20,652		
1986.....	89.4	84.5	7.2	5.4	6.0	11.6	14.0	22.1		15.6	17,114	21,822		
1987.....	90.3	85.6	6.8	5.3	6.1	11.1	13.7	21.7		15.6	17,752	22,684		
15-19 years old.....	9.1	6.1	5.7	20.9	11.1	9.5	4.3	2.0		3	1,932	3,256		
20-24 years old.....	9.3	8.7	8.8	12.1	11.7	19.5	21.7	20.0		4.4	9,529	10,901		
25-34 years old.....	21.3	20.8	3.4	3.3	3.9	8.6	15.2	29.1		20.3	16,210	22,160		
35-44 years old.....	17.1	16.8	2.2	2.2	3.2	6.2	8.8	22.4		22.9	26,828	30,782		
45-54 years old.....	11.5	11.3	2.8	2.6	3.1	5.3	9.4	19.1		20.1	37.7	28,685	33,508	
55-64 years old.....	10.2	10.0	3.5	2.8	4.9	10.0	12.3	22.6		17.0	29,906	27,428		
65 yr. old and over.....	11.8	11.8	1.5	4.5	11.2	23.7	22.1	21.1		7.9	8.1	11,854	16,464	
White.....	77.8	74.7	6.3	4.8	5.5	10.6	13.5	21.9		16.2	21.1	18,854	23,643	
Black.....	9.6	8.3	10.5	8.8	11.2	15.3	16.0	20.4		11.2	6.6	11,101	14,391	
Hispanic ²	6.8	6.1	6.6	7.1	9.1	17.3	18.9	21.5		10.4	9.1	12,019	16,031	
Northeast.....	18.8	17.8	6.0	4.8	5.2	9.8	12.8	22.2		16.9	22.2	19,878	24,396	
Midwest.....	22.0	21.1	7.3	5.2	5.9	10.9	12.9	22.5		16.7	18.6	17,910	21,968	
South.....	30.7	28.8	7.3	5.8	7.3	11.9	14.6	21.7		14.2	17.3	16,182	21,219	
West.....	18.8	17.9	6.4	4.9	5.2	11.5	13.8	20.4		15.5	22.2	18,596	24,179	
FEMALE														
1970.....	77.6	51.6	46.7	22.1	15.7	12.4	2.5	.4		2	2,237	3,138		
1975.....	85.0	60.8	31.9	24.0	15.4	18.5	7.9	2.2		2	3,385	4,513		
1980.....	91.1	80.8	24.8	18.6	13.3	18.3	14.2	9.0		1.0	4,920	6,772		
1981.....	92.2	82.1	22.8	17.2	13.4	18.0	15.0	10.9		2.0	.6	5,458	7,440	
1982.....	93.1	82.5	21.7	15.9	13.1	17.4	16.1	12.7		2.8	1.1	8,887	8,195	
1983.....	94.3	83.8	20.7	14.7	12.9	17.1	15.4	14.0		3.6	1.4	6,319	8,780	
1984.....	95.3	85.6	19.2	13.6	12.6	17.2	15.0	15.6		4.6	2.1	6,868	9,584	
1985.....	96.4	86.5	18.3	13.2	12.2	17.1	15.0	16.2		5.5	2.6	7,217	10,173	
1986.....	97.3	87.8	17.5	12.2	12.3	16.6	15.1	17.0		6.2	3.2	7,510	10,741	
1987.....	98.2	89.3	16.5	11.6	11.7	16.8	14.9	17.7		6.8	4.0	8,101	11,435	
15-19 years old.....	8.9	6.0	53.3	21.8	10.8	9.0	3.4	1.6		-	2	1,877	2,965	
20-24 years old.....	9.6	8.7	15.8	14.7	13.8	21.3	18.2	13.5		2.1	.5	6,895	8,406	
25-34 years old.....	21.6	20.1	15.9	8.2	7.8	13.9	17.6	24.4		8.7	3.6	11,049	12,746	
35-44 years old.....	17.6	16.4	15.4	7.6	7.1	13.5	14.8	22.8		11.5	7.4	11,969	14,768	
45-54 years old.....	12.3	11.2	16.6	8.1	7.9	13.0	15.2	22.4		10.3	6.6	11,219	14,127	
55-64 years old.....	11.5	10.5	19.2	11.8	12.6	15.8	14.8	15.6		5.9	4.5	7,445	11,139	
65 yr. old and over.....	16.7	16.5	3.8	16.5	22.3	27.3	14.1	10.6		3.2	2.2	6,734	9,547	
White.....	83.5	76.7	16.8	11.1	11.1	16.9	15.1	17.9		6.9	4.2	8,279	11,621	
Black.....	11.6	10.1	13.0	15.7	17.0	18.4	13.6	16.5		5.7	2.0	6,791	9,919	
Hispanic ²	6.8	5.3	18.6	13.9	13.2	20.0	13.4	14.3		4.4	2.2	6,611	9,303	
Northeast.....	21.1	19.4	16.1	10.4	12.0	16.6	13.9	18.6		7.8	4.7	8,430	12,106	
Midwest.....	23.9	22.1	17.4	11.9	12.1	17.1	15.3	16.9		6.2	3.1	7,713	10,675	
South.....	33.8	30.1	16.0	13.1	12.2	16.0	15.8	17.3		6.0	3.6	7,870	10,942	
West.....	19.4	17.6	16.7	9.9	9.9	17.8	14.1	18.4		8.0	5.2	8,651	12,494	

- Represents zero. ¹ Includes persons with income deficit. ² Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 162.

NO. 735. MARRIED-COUPLE FAMILIES WITH EARNINGS, BY WORK EXPERIENCE OF HUSBANDS AND WIVES: 1981 AND 1987

[As of March of following year. Based on Current Population Survey; see text, sections 1 and 14 and Appendix III. Money earnings is the sum of wages or salary and net income from farm and nonfarm self-employment; see text, section 13]

WORK EXPERIENCE OF HUSBAND	NUMBER (1,000)					MEAN EARNINGS (dol.)				
	Total	Wife worked			Wife did not work	Total	Wife worked			Wife did not work
		Total	Worked at full-time jobs	Worked at part-time jobs			Total	Worked at full-time jobs	Worked at part-time jobs	
1981										
Total.....	42,199	28,209	18,738	9,471	13,991	25,551	27,163	28,588	24,345	22,301
Husband worked in 1981.....	40,249	26,258	17,408	8,850	13,991	26,386	28,582	29,855	25,822	22,301
Full-time jobs.....	37,560	24,808	16,536	8,273	12,551	23,479	29,360	30,579	26,924	22,821
Part-time jobs.....	2,689	1,450	873	577	1,239	11,109	14,911	18,134	10,043	6,661
Husband did not work in 1981.....	1,950	1,950	1,329	621	(X)	8,333	8,333	10,686	3,300	(X)
1987										
Total.....	43,450	31,586	21,585	10,001	11,864	37,171	39,486	41,764	34,569	31,008
Husband worked in 1987.....	41,142	29,278	20,134	9,144	11,864	38,610	41,690	43,678	37,315	31,008
Full-time jobs.....	38,400	27,791	19,284	8,507	10,608	40,288	42,806	44,517	38,927	33,694
Part-time jobs.....	2,742	1,487	850	637	1,256	15,104	20,841	24,634	15,781	8,312
Husband did not work in 1987.....	2,308	2,308	1,451	857	(X)	11,523	11,523	15,218	5,264	(X)

X Not applicable.

NO. 736. MEAN EARNINGS OF HUSBANDS AND WIVES IN MARRIED-COUPLE FAMILIES: 1981 AND 1987

[In dollars. As of March of following year. See headnote, table 735]

CHARACTERISTIC	CURRENT DOLLARS				CONSTANT (1987) DOLLARS			
	Husband		Wife		Husband		Wife	
	1981	1987	1981	1987	1981	1987	1981	1987
Total.....	20,868	29,154	8,598	13,245	26,075	29,154	10,744	13,245
Age: 15 to 24 years.....	12,378	15,028	6,433	8,791	15,468	15,028	8,039	8,791
25 to 34 years.....	18,711	25,238	8,813	13,077	23,382	25,238	11,013	13,077
35 to 44 years.....	24,170	33,166	9,984	14,764	30,204	33,166	11,227	14,764
45 to 54 years.....	23,938	34,648	9,210	14,094	29,914	34,648	11,509	14,094
55 to 64 years.....	21,874	28,727	8,822	12,251	27,334	28,727	11,024	12,251
65 years and over.....	10,663	16,132	5,500	7,581	13,325	16,132	6,873	7,581
Age of own children under 18 years: No own children.....	19,888	27,755	9,594	14,256	24,853	27,755	11,989	14,256
One or more children.....	21,596	30,256	7,779	12,395	26,987	30,256	9,721	12,395
All under 6.....	18,859	28,181	7,379	12,163	23,567	28,181	9,221	12,163
Some under 6, some 6 to 17.....	20,946	29,564	6,575	10,732	26,175	29,564	8,216	10,732
All 6 to 17.....	23,215	31,636	8,318	13,067	29,010	31,636	10,394	13,067
Work experience: Worked at full-time jobs.....	21,870	30,606	10,957	16,603	27,329	30,606	13,692	16,603
Worked at part-time jobs.....	6,835	8,790	3,831	5,959	8,541	8,790	4,787	5,959
Years of school completed: Less than 12 years.....	13,783	18,048	5,964	8,081	17,224	18,048	7,453	8,081
High school, 4 years.....	18,967	24,483	7,897	11,373	23,702	24,483	9,868	11,373
College: 1 to 3 years.....	21,473	29,179	9,352	13,872	26,833	29,179	11,687	13,872
4 years.....	27,343	38,973	10,681	17,599	34,169	38,973	13,347	17,599
5 or more years.....	32,863	46,853	14,914	22,769	41,067	46,853	18,637	22,769

Source of tables 735 and 736: U.S. Bureau of the Census, *Current Population Reports*, series P-60, Nos. 163 and 165.

NO. 737. MEAN MONEY EARNINGS, BY EDUCATIONAL ATTAINMENT, SEX, AND AGE: 1987

[In dollars. For year-round full-time workers 18 years old and over. As of March 1988. Based on Current Population Survey; see text, section 1 and Appendix II. For definition of mean, see Guide to Tabular Presentation]

AGE AND SEX	Total	ELEMENTARY			SECONDARY			COLLEGE			
		Total	Less than 8 years	8 years	Total	1-3 years	4 years	Total	1-3 years	4 years	5 or more years
Male, total.....	29,885	17,726	16,863	16,946	24,110	21,327	24,745	37,132	29,253	38,117	47,903
18-24 years old.....	18,088	11,043	10,653	(a)	14,289	12,297	14,732	17,523	15,692	22,255	(b)
25-34 years old.....	25,597	14,244	13,951	15,104	22,031	18,724	22,675	29,881	25,053	40,587	37,337
35-44 years old.....	34,083	18,234	17,720	19,189	26,626	21,882	27,442	40,459	32,385	40,787	49,882
45-54 years old.....	36,361	20,308	19,236	21,484	28,963	27,155	29,450	46,598	37,772	48,148	54,298
55-64 years old.....	32,664	18,764	17,696	19,909	27,914	24,681	29,143	43,430	34,145	46,467	50,606
65 years old and over.....	29,892	17,777	(b)	16,344	24,883	19,392	27,010	38,684	29,383	35,815	49,214
Female, total.....	18,846	11,292	10,163	12,655	15,805	13,136	16,223	22,780	19,336	23,506	30,255
18-24 years old.....	13,088	8,420	(b)	12,002	10,301	12,180	14,967	13,591	17,584	(e)	(e)
25-34 years old.....	18,811	10,019	8,864	(a)	15,640	12,780	15,769	21,987	18,832	23,307	27,454
35-44 years old.....	20,775	11,568	9,901	(e)	16,641	12,881	17,193	25,119	21,944	24,829	31,713
45-54 years old.....	20,032	12,140	11,628	12,824	17,168	14,270	17,739	25,013	21,060	26,301	31,060
55-64 years old.....	18,575	12,149	10,918	13,025	16,865	13,778	17,709	25,622	18,960	23,027	34,072
65 years old and over.....	16,237	(b)	(b)	(a)	15,752	(b)	16,321	19,293	16,573	(b)	(b)

B Base figure too small to meet statistical standards for reliability of derived figure.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 162.

No. 738. MARRIED-COUPLE FAMILIES WITH EARNINGS: OCCUPATION OF LONGEST JOB IN 1987 OF HUSBAND AND WIFE

[Married-couple families as of March 1988. Based on Current Population Survey. See headnote, table 735]

OCCUPATION OF LONGEST JOB OF HUSBAND	Total ¹	WIFE WORKED IN 1987								Wife did not work in 1987	
		Total ¹	Occupation of longest job of wife								
			Exec., administrators and managerial	Professional specialty	Technical and related support	Sales workers	Admin. support, incl. clerical	Precision production, craft, and repair	Operators, fabricators, laborers		Service workers
NUMBER (1,000)											
Total	43,450	31,579	3,449	4,898	1,038	3,808	9,483	777	2,909	4,807	11,870
Husband worked in 1987 ²	41,072	29,219	3,266	4,643	983	3,523	8,883	712	2,624	4,200	11,853
Occupation of longest job of husband:											
Executive, administrators, and managerial.....	6,556	4,811	882	1,016	161	529	1,614	74	138	381	1,745
Professional specialty.....	5,477	3,999	510	1,534	127	364	999	59	90	304	1,477
Technical and related support.....	1,158	862	110	176	75	72	277	16	36	100	296
Sales workers.....	4,708	3,459	475	542	121	680	1,102	51	148	315	1,250
Administrative support, including clerical.....	2,019	1,503	161	192	74	141	572	27	129	205	516
Precision production, craft and repair.....	8,853	6,162	555	573	188	750	1,950	244	787	1,069	2,691
Operators, fabricators, and laborers.....	7,727	5,310	311	323	154	648	1,545	156	1,031	1,102	2,417
Service workers.....	2,811	1,951	194	191	56	228	552	49	147	527	861
Farming, forestry, and fishing.....	1,763	1,162	67	96	27	112	272	35	117	196	601
Husband did not work in 1987 ³	2,378	2,360	183	255	55	285	601	66	285	607	17
MEAN EARNINGS (dollars)											
Total	37,171	39,488	51,181	53,099	44,164	37,082	39,866	36,003	28,342	26,162	31,007
Husband worked in 1987 ²	38,629	41,715	52,945	55,081	45,938	39,214	41,626	38,192	30,230	28,967	31,022
Occupation of longest job of husband:											
Executive, administrators, and managerial.....	53,627	55,048	60,251	67,037	63,405	54,154	50,329	(b)	37,588	37,594	49,708
Professional specialty.....	53,383	55,520	65,916	60,311	54,647	54,503	50,039	(b)	38,658	37,729	47,598
Technical and related support.....	42,257	44,493	53,628	50,851	45,172	(b)	42,452	(b)	(b)	36,094	35,741
Sales workers.....	43,562	45,927	58,521	53,880	46,988	42,553	44,409	(b)	33,553	32,973	37,016
Administrative support, including clerical.....	34,079	37,434	43,165	42,483	(b)	35,843	38,433	(b)	31,392	26,805	24,305
Precision production, craft and repair.....	32,571	35,651	43,035	42,842	38,836	33,173	38,086	35,906	30,889	28,456	25,518
Operators, fabricators, and laborers.....	28,725	32,198	38,141	40,240	36,592	29,925	35,483	35,192	29,412	26,676	21,092
Service workers.....	26,826	31,362	38,882	40,582	(b)	27,151	35,103	(b)	24,392	24,686	6,548
Farming, forestry, and fishing.....	19,329	22,962	(b)	36,529	(b)	19,769	27,181	(b)	18,553	17,962	12,299
Husband did not work in 1987 ³	11,989	11,925	19,700	17,079	(b)	10,761	13,825	(b)	10,974	6,745	(b)

B Base figure too small to meet statistical standards for reliability of derived figure. ¹ Includes farming, forestry, and fishing, not shown separately. ² Excludes husbands whose longest job was in the Armed Forces. ³ Includes husbands whose longest job was in the Armed Forces.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 165.

No. 739. PER CAPITA MONEY INCOME IN CURRENT AND CONSTANT (1988) DOLLARS, BY RACE AND HISPANIC ORIGIN: 1970 TO 1988

[In dollars. See headnote, table 734]

YEAR	CURRENT DOLLARS				CONSTANT (1988) DOLLARS			
	All races	White	Black	Hispanic ¹	All races	White	Black	Hispanic ¹
1970.....	3,177	3,354	1,869	(NA)	9,687	10,228	5,699	(NA)
1971.....	3,417	3,596	2,062	(NA)	9,981	10,504	6,023	(NA)
1972.....	3,769	3,969	2,300	(NA)	10,667	11,230	6,509	(NA)
1973.....	4,141	4,361	2,521	2,454	11,033	11,620	6,717	6,538
1974.....	4,445	4,677	2,718	2,735	10,666	11,223	6,522	6,563
1975.....	4,818	5,072	2,972	2,847	10,594	11,153	6,535	6,260
1976.....	5,271	5,556	3,286	3,179	10,959	11,551	6,832	6,609
1977.....	5,785	6,100	3,574	3,538	11,293	11,908	6,977	6,907
1978.....	6,455	6,797	4,034	3,961	11,712	12,333	7,319	7,187
1979.....	7,168	7,574	4,444	4,432	11,680	12,342	7,241	7,222
1980.....	7,787	8,233	4,804	4,865	11,180	11,820	6,997	6,985
1981.....	8,476	8,979	5,129	5,349	11,031	11,686	6,875	6,961
1982.....	8,980	9,527	5,360	5,448	11,009	11,679	6,571	6,679
1983.....	9,548	10,125	5,755	5,852	11,341	12,026	6,836	6,951
1984.....	10,328	10,939	6,277	6,401	11,759	12,455	7,147	7,288
1985.....	11,013	11,671	6,840	6,613	12,108	12,832	7,520	7,271
1986.....	11,670	12,352	7,207	7,000	12,596	13,332	7,779	7,556
1987 ²	12,391	13,143	7,645	7,653	12,904	13,687	7,961	7,970
1988 ²	13,123	13,896	8,271	7,956	13,123	13,896	8,271	7,956

NA Not available. ¹ Hispanic persons may be of any race. ² Based on revised processing procedures; data not directly comparable with prior years. See text, section 14 and source.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 166.

NO. 740. PER CAPITA MONEY INCOME, 1969 TO 1985, AND MEDIAN FAMILY INCOME, 1969 AND 1979, BY STATE

[In dollars. For definition of median, see Guide to Tabular Presentation. See also *Historical Statistics, Colonial Times to 1970*, series G 205-256 and Appendix III]

STATE	PER CAPITA INCOME			MEDIAN FAMILY INCOME		STATE	PER CAPITA INCOME			MEDIAN FAMILY INCOME	
	1969	1979	1985	1969	1979		1969	1979	1985	1969	1979
United States	3,119	7,298	10,798	9,586	19,917	Mississippi.....	1,925	5,182	7,483	6,068	14,591
Alabama.....	2,317	5,892	8,681	7,263	16,347	Missouri.....	2,952	6,915	10,283	8,908	18,784
Alaska.....	3,725	10,193	13,650	12,441	28,395	Montana.....	2,696	6,589	8,781	8,509	18,419
Arizona.....	2,937	7,042	10,561	9,185	19,017	Nebraska.....	2,797	6,934	10,546	8,562	19,122
Arkansas.....	2,142	5,613	8,389	6,271	14,641	Nevada.....	3,554	8,453	11,200	10,687	21,311
California.....	3,614	8,294	11,885	10,729	21,537	New Hampshire.....	2,985	6,966	11,659	9,682	19,723
Colorado.....	3,106	7,998	11,713	9,552	21,279	New Jersey.....	3,674	8,127	13,129	11,403	22,906
Connecticut.....	3,885	8,511	14,090	11,808	23,149	New Mexico.....	2,437	6,120	8,814	7,845	16,928
Delaware.....	3,265	7,449	11,375	10,209	20,817	New York.....	3,608	7,496	11,765	10,609	20,180
District of Columbia....	3,842	9,959	13,530	9,576	19,099	North Carolina.....	2,474	6,132	9,517	7,770	16,792
Florida.....	3,058	7,280	11,271	8,261	17,280	North Dakota.....	2,469	6,417	9,895	7,836	16,023
Georgia.....	2,640	6,380	10,191	8,165	17,414	Ohio.....	3,199	7,284	10,371	10,309	20,909
Hawaii.....	3,373	7,740	11,003	11,552	22,750	Oklahoma.....	2,694	6,854	9,754	7,720	17,668
Idaho.....	2,644	6,248	8,567	8,380	17,492	Oregon.....	3,148	7,556	9,925	9,487	20,027
Illinois.....	3,495	8,064	11,302	10,957	22,746	Pennsylvania.....	3,066	6,875	10,288	9,554	19,995
Indiana.....	3,070	7,141	9,978	9,966	20,535	Rhode Island.....	3,121	6,897	10,892	9,733	19,448
Iowa.....	2,884	7,136	10,096	9,016	20,052	South Carolina.....	2,303	5,884	8,890	7,620	16,978
Kansas.....	2,929	7,349	10,684	8,690	19,707	South Dakota.....	2,387	5,696	8,553	7,490	15,993
Kentucky.....	2,425	5,973	8,614	7,439	16,444	Tennessee.....	2,464	6,212	9,290	7,448	16,564
Louisiana.....	2,330	6,425	8,836	7,527	18,088	Texas.....	2,792	7,203	10,373	8,486	19,618
Maine.....	2,548	5,766	9,042	8,205	16,167	Utah.....	2,697	6,305	8,535	9,320	20,024
Maryland.....	3,512	8,293	12,967	11,057	23,112	Vermont.....	2,772	6,177	9,619	9,828	17,205
Massachusetts.....	3,408	7,457	12,510	10,833	21,166	Virginia.....	2,996	7,475	11,894	9,044	20,018
Michigan.....	3,357	7,688	10,902	11,029	22,107	Washington.....	3,357	8,073	10,866	10,404	21,696
Minnesota.....	3,038	7,450	11,186	9,928	21,185	West Virginia.....	2,333	6,142	8,141	7,414	17,308
						Wisconsin.....	3,032	7,241	10,298	10,065	20,915
						Wyoming.....	2,895	7,927	9,782	8,944	22,430

Source: U.S. Bureau of the Census, *Census of Population: 1970*, vol. 1; *1980 Census of Population*, vol. 1, chapter C (PC 80-1-C), and *Current Population Reports*, series P-26, No. 86.

NO. 741. PER CAPITA MONEY INCOME FOR 50 LARGEST CITIES: 1979 AND 1985

CITIES RANKED BY POPULATION-SIZE, 1986	1979	1985	Percent change, 1979-1985	CITIES RANKED BY POPULATION-SIZE, 1986	1979	1985	Percent change, 1979-1985
Los Angeles.....	8,415	12,084	43.6	Nashville-Davidson.....	7,276	11,253	54.7
Chicago.....	6,933	9,642	39.1	Austin.....	7,368	11,633	57.9
Houston.....	8,817	12,115	37.4	Oklahoma City.....	7,998	11,527	44.1
Philadelphia.....	6,053	8,807	45.5	Kansas City.....	7,480	11,153	49.1
Detroit.....	6,215	8,852	42.4	Fort Worth.....	7,336	10,515	43.3
San Diego.....	8,018	11,766	46.8	St. Louis.....	5,877	8,799	49.7
Dallas.....	8,610	12,816	48.9	Atlanta.....	6,539	10,341	58.1
San Antonio.....	5,758	8,499	47.6	Long Beach.....	8,342	11,729	40.6
Phoenix.....	7,552	11,363	50.5	Portland.....	8,123	10,770	32.6
Honolulu ¹	7,912	11,434	44.5	Pittsburgh.....	6,845	9,998	46.1
Baltimore.....	5,877	8,647	47.1	Miami.....	6,084	8,904	46.4
San Francisco.....	9,265	13,575	46.5	Tulsa.....	8,842	12,670	43.3
Indianapolis.....	7,585	10,836	42.9	Cincinnati.....	6,874	10,247	49.1
San Jose.....	8,382	12,583	50.1	Albuquerque.....	7,440	11,133	48.9
Memphis.....	6,466	9,362	44.8	Tucson.....	6,551	9,430	43.9
Washington.....	8,959	13,530	51.0	Oakland.....	7,701	10,911	41.7
Jacksonville.....	6,767	10,466	54.7	Minneapolis.....	7,940	12,302	54.9
Milwaukee.....	7,029	9,765	39.9	Charlotte.....	7,952	12,259	54.2
Boston.....	6,555	10,774	64.4	Omaha.....	7,714	12,886	67.0
Columbus.....	8,783	9,909	46.1	Toledo.....	7,050	10,050	42.6
New Orleans.....	6,463	8,975	38.9	Virginia Beach.....	7,704	12,039	56.3
Cleveland.....	5,770	8,018	39.0	Buffalo.....	5,929	8,840	49.1
Denver.....	8,553	12,490	46.0	Sacramento.....	7,558	10,627	40.6
El Paso.....	5,439	7,670	41.0	Newark.....	4,525	6,494	43.5

¹ Data are for Honolulu County.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter C (PC 80-1-C) and *Current Population Reports*, series P-26, No. 86.

NO. 742. PERSONS, FAMILIES, AND CHILDREN BELOW POVERTY LEVEL—NUMBER AND PERCENT, BY STATE: 1979

[Persons, families, and related children as of **April of the following year**. For explanation of poverty level, see text, section 14. Excludes unrelated individuals under 15 years of age, and persons in specified types of group quarters, i.e. inmates of institutions and persons living in military group quarters or in college dormitories. Poverty criteria computed on a national basis only and not adjusted for regional, State, or other local variations in cost of living. For details, see source.]

REGION AND STATE	PERSONS		FAMILIES		RELATED CHILDREN ¹		REGION AND STATE	PERSONS		FAMILIES		RELATED CHILDREN ¹	
	Number (1,000)	Per-cent	Number (1,000)	Per-cent	Number (1,000)	Per-cent		Number (1,000)	Per-cent	Number (1,000)	Per-cent	Number (1,000)	Per-cent
U.S.	27,393	12.4	5,670	9.6	10,026	16.0	South—						
Northeast.	5,343	11.2	1,111	8.7	1,992	15.5	Con.						
ME.....	141	13.0	29	9.8	50	15.8	VA.....	611	11.8	129	9.2	216	14.9
NH.....	75	8.5	15	6.1	24	9.4	WV.....	287	15.0	62	11.7	102	18.5
VT.....	59	12.1	11	8.9	20	13.9	NC.....	840	14.8	183	11.6	299	18.3
MA.....	532	9.6	110	7.6	193	13.1	SC.....	500	16.6	106	13.1	195	21.0
RI.....	94	10.3	19	7.7	33	13.6	GA.....	884	16.6	189	13.2	342	21.1
CT.....	243	8.0	51	6.2	93	11.4	FL.....	1,267	13.5	268	9.9	427	18.5
NY.....	2,299	13.4	483	10.8	877	19.0	KY.....	626	17.6	144	14.6	230	21.6
NJ.....	689	9.5	148	7.6	278	14.1	TN.....	736	16.5	164	13.1	263	20.6
PA.....	1,210	10.5	245	7.8	426	13.9	AL.....	720	18.9	154	14.8	271	23.6
Midwest.	6,010	10.5	1,230	8.0	2,170	13.0	MS.....	587	23.9	121	18.7	244	30.4
OH.....	1,089	10.3	228	8.0	401	13.2	AR.....	424	19.0	94	14.9	154	23.4
IN.....	516	9.7	107	7.3	189	11.9	LA.....	765	18.6	163	15.1	307	23.5
IL.....	1,231	11.0	247	8.4	478	14.9	OK.....	394	13.4	86	10.3	132	15.7
MI.....	946	10.4	198	8.2	361	13.3	TX.....	2,036	14.7	412	11.1	791	18.7
WI.....	398	8.7	77	6.3	139	10.4	West.	4,755	11.3	939	8.5	1,683	14.2
MN.....	375	9.5	73	7.0	118	10.2	MT.....	94	12.3	19	9.2	32	13.8
IA.....	286	10.1	58	7.5	94	11.5	ID.....	117	12.6	24	9.6	43	14.3
MO.....	582	12.2	120	9.1	196	14.6	WY.....	36	7.9	7	5.8	11	7.7
ND.....	79	12.6	16	9.8	27	14.3	CO.....	285	10.1	55	7.4	91	11.5
SD.....	113	16.9	25	13.1	41	20.0	NM.....	226	17.6	47	14.0	91	22.1
NE.....	183	10.7	33	8.0	53	12.1	AZ.....	351	13.2	68	9.5	128	16.5
KS.....	232	10.1	47	7.4	73	11.4	UT.....	148	10.3	27	7.7	57	10.7
South	11,285	15.4	2,390	11.9	4,180	19.6	NV.....	69	9.7	13	6.3	21	10.0
DE.....	68	11.9	14	8.9	25	15.6	WA.....	396	9.8	78	7.2	128	11.5
MD.....	405	9.8	82	7.5	143	12.5	OR.....	274	10.7	54	7.7	85	12.0
DC.....	113	18.6	21	15.1	38	27.0	CA.....	2,627	11.4	521	8.7	947	15.2
							AK.....	42	10.7	8	8.6	15	12.1
							HI.....	92	9.9	18	7.8	35	13.0

¹ Under 18 years.

Source: U.S. Bureau of the Census, *1980 Census of Population*, vol. 1, chapter C (PC80-1-C).

NO. 743. PERSONS BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL: 1959 TO 1988

[Persons as of **March of the following year**. For explanation of poverty level, see text, section 14.]

YEAR	NUMBER BELOW POVERTY LEVEL (mil.)				PERCENT BELOW POVERTY LEVEL				BELOW 125 PERCENT OF POVERTY LEVEL		AVERAGE INCOME CUTOFFS FOR NON-FARM FAMILY OF 4 ³	
	All races ¹	White	Black	Hispanic ²	All races ¹	White	Black	Hispanic ²	Number (mil.)	Per-cent of total population	At poverty level	At 125 per-cent of poverty level
1959.....	39.5	28.5	9.9	(NA)	22.4	18.1	55.1	(NA)	54.9	31.1	\$2,973	\$3,716
1960.....	39.9	28.3	(NA)	(NA)	22.2	17.8	(NA)	(NA)	54.6	30.4	3,022	3,778
1966.....	28.5	20.8	8.9	(NA)	14.7	12.2	41.8	(NA)	41.3	21.3	3,317	4,146
1969.....	24.1	16.7	7.1	(NA)	12.1	9.5	32.2	(NA)	34.7	17.4	3,743	4,679
1970.....	25.4	17.5	7.5	(NA)	12.6	9.9	33.5	(NA)	35.6	17.6	3,968	4,960
1975.....	25.9	17.8	7.5	3.0	12.3	9.7	31.3	26.9	37.2	17.6	5,500	6,875
1976.....	25.0	16.7	7.6	2.8	11.8	9.1	31.1	24.7	35.5	16.7	5,815	7,269
1977.....	24.7	16.4	7.7	2.7	11.6	8.9	31.3	22.4	35.7	16.7	6,191	7,739
1978.....	24.5	16.3	7.6	2.6	11.4	8.7	30.6	21.6	34.2	15.8	6,662	8,328
1979 ^a	25.3	16.8	7.8	2.9	11.6	8.9	30.9	21.8	35.6	16.3	7,412	9,265
1979 ^a	26.1	17.2	8.1	2.9	11.7	9.0	31.0	21.8	36.6	16.4	7,412	9,265
1980.....	29.3	19.7	8.6	3.5	13.0	10.2	32.5	25.7	40.7	18.1	8,414	10,518
1981.....	31.8	21.6	9.2	3.7	14.0	11.1	34.2	26.5	43.7	19.3	9,287	11,609
1982.....	34.4	23.5	9.7	4.3	15.0	12.0	35.6	29.9	46.5	20.3	9,862	12,328
1982.....	35.3	24.0	9.9	4.6	15.2	12.1	35.7	28.0	47.2	20.3	10,178	12,723
1983.....	37.7	23.0	9.5	4.8	14.4	11.5	33.8	28.4	45.3	19.4	10,609	13,261
1984.....	33.1	22.9	8.9	5.2	14.0	11.4	31.3	29.0	44.2	18.7	10,989	13,736
1986.....	32.4	22.2	9.0	5.1	13.6	11.0	31.1	27.3	43.5	18.2	11,203	14,004
1987 ^a	32.3	21.2	9.6	5.4	13.4	10.4	32.6	28.1	(NA)	(NA)	(NA)	(NA)
1988 ^a	31.9	20.8	9.4	5.4	13.1	10.1	31.6	26.8	42.6	17.5	12,092	(NA)

NA Not available. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Beginning 1981, income cutoffs for nonfarm families are applied to all families, both farm and nonfarm. ⁴ Population controls based on 1970 census; see text, section 14. ⁵ Population controls based on 1980 census; see text, sections 1 and 14. ⁶ Based on revised processing procedures; data not directly comparable with prior years. See text, section 14, and source.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 166.

NO. 744. PERSONS BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL, BY RACE OF HOUSEHOLDER AND FAMILY STATUS: 1979 TO 1987

[Persons as of **March of following year**. Based on old processing procedures; therefore data will not agree with other tables. See text, section 14. For explanation of poverty level, see text, section 14]

RACE OF HOUSEHOLDER AND FAMILY STATUS	BELOW POVERTY LEVEL					BELOW 125 PERCENT OF POVERTY LEVEL				
	1979 ¹	1984	1985	1986	1987	1979 ¹	1984	1985	1986	1987
NUMBER (mil.)										
All persons ²	26.1	33.7	33.1	32.4	32.5	36.6	45.3	44.2	43.5	43.5
In families	20.0	26.5	25.7	24.8	25.0	28.1	35.5	34.4	33.2	33.1
Householder	5.5	7.3	7.2	7.0	7.1	7.8	9.9	9.8	9.5	9.5
Related children under 18 years	10.0	12.9	12.5	12.3	12.4	13.4	16.4	15.8	15.5	15.6
Other family members	4.5	6.3	6.0	5.5	5.5	7.0	9.2	8.9	8.2	8.1
Unrelated individuals	5.7	6.6	6.7	6.8	6.8	8.0	9.1	9.1	9.4	9.5
White	17.2	23.0	22.9	22.2	21.4	25.2	32.1	31.5	30.7	30.0
In families	12.5	17.3	17.1	16.4	15.8	18.4	24.2	23.7	22.6	22.0
Householder	3.6	4.9	5.0	4.8	4.6	5.3	7.0	7.0	6.7	6.5
Related children under 18 years	5.9	8.1	7.8	7.7	7.6	8.2	10.7	10.3	10.0	9.9
Other family members	3.0	4.3	4.3	3.9	3.7	4.8	6.6	6.4	5.9	5.7
Unrelated individuals	4.5	5.2	5.3	5.2	5.1	6.5	7.3	7.3	7.4	7.4
Black	8.1	9.5	8.9	9.0	9.7	10.3	11.6	11.1	11.2	11.8
In families	6.8	8.1	7.5	7.4	8.0	8.8	9.9	9.3	9.2	9.7
Householder	1.7	2.1	2.0	2.0	2.1	2.2	2.6	2.5	2.5	2.6
Related children under 18 years	3.7	4.3	4.1	4.0	4.3	4.7	5.1	4.8	4.8	5.0
Other family members	1.3	1.7	1.5	1.4	1.5	1.9	2.3	2.1	1.9	2.0
Unrelated individuals	1.2	1.3	1.3	1.4	1.5	1.4	1.6	1.6	1.8	1.9
In families with female householder, no husband present ²	13.5	16.4	16.4	16.9	16.9	17.4	20.3	20.1	21.0	20.8
In families	9.4	11.8	11.6	11.9	12.1	11.6	14.0	13.7	14.2	14.1
Householder	2.6	3.5	3.5	3.6	3.6	3.3	4.2	4.2	4.3	4.3
Related children under 18 years	5.6	6.8	6.7	6.9	7.1	6.7	7.7	7.6	7.9	8.0
Other family members	1.1	1.6	1.4	1.4	1.4	1.6	2.1	2.0	1.9	1.8
Unrelated individuals	3.8	4.0	4.2	4.3	4.2	5.4	5.7	5.8	6.0	5.9
In all other families ²	12.6	17.3	16.7	15.4	15.6	19.2	25.0	24.1	22.5	22.7
In families	10.6	14.6	14.1	12.8	12.9	16.5	21.5	20.7	19.0	19.0
Householder	2.8	3.8	3.7	3.4	3.4	4.5	5.7	5.6	5.1	5.1
Related children under 18 years	4.4	6.2	5.8	5.3	5.4	6.6	8.7	8.2	7.6	7.6
Other family members	3.4	4.7	4.6	4.1	4.1	5.4	7.1	6.9	6.3	6.3
Unrelated individuals	2.0	2.6	2.5	2.5	2.7	2.7	3.4	3.3	3.4	3.6
PERCENT OF POPULATION										
All persons ²	11.7	14.4	14.0	13.6	13.5	16.4	19.4	18.7	18.2	18.1
In families	10.2	13.1	12.6	12.0	12.1	14.4	17.5	16.9	16.2	16.0
Householder	9.2	11.6	11.4	10.9	10.8	13.1	15.8	15.3	14.7	14.5
Related children under 18 years	16.0	21.0	20.1	19.8	20.0	21.3	26.6	25.5	25.1	25.1
Other family members	6.1	8.0	7.7	6.9	6.9	9.5	11.8	11.3	10.3	10.2
Unrelated individuals	21.9	21.8	21.5	21.6	20.8	30.7	29.9	29.0	29.8	29.0
White	9.0	11.5	11.4	11.0	10.5	13.1	16.1	15.7	15.2	14.7
In families	7.4	10.1	9.9	9.4	9.1	10.9	14.1	13.7	13.0	12.6
Householder	6.9	9.1	9.1	8.6	8.2	10.2	12.8	12.7	12.0	11.5
Related children under 18 years	11.4	16.1	15.6	15.3	15.0	15.9	21.3	20.5	20.0	19.6
Other family members	4.7	6.4	6.4	5.7	5.4	7.5	9.8	9.5	8.6	8.3
Unrelated individuals	19.7	19.9	19.6	19.2	18.2	28.6	27.9	27.0	27.3	26.3
Black	31.0	33.8	31.3	31.1	33.1	39.9	41.4	38.8	38.7	40.2
In families	30.0	33.2	30.5	29.7	31.8	39.0	40.7	37.9	37.1	38.6
Householder	27.8	30.9	28.7	28.0	29.9	36.2	38.2	35.8	35.0	36.4
Related children under 18 years	40.8	46.2	43.1	42.7	45.1	51.1	54.1	51.0	50.8	52.8
Other family members	18.2	20.5	17.7	16.5	18.1	26.1	27.7	24.8	23.3	24.2
Unrelated individuals	37.3	35.8	34.7	38.5	38.3	45.4	44.6	42.7	47.3	47.2
In families with female householder, no husband present ²	32.0	34.0	33.5	34.2	33.6	41.3	41.9	41.1	42.4	41.4
In families	34.9	38.4	37.6	38.3	38.3	43.2	45.3	44.5	45.6	44.8
Householder	30.4	34.5	34.0	34.6	34.3	38.2	41.5	40.8	41.6	40.6
Related children under 18 years	48.6	54.0	53.6	54.4	54.7	58.0	61.2	60.7	62.3	61.9
Other family members	16.9	19.1	17.3	17.5	17.0	23.9	25.7	24.2	24.1	22.6
Unrelated individuals	26.0	24.4	24.8	25.1	23.7	37.0	34.2	33.9	35.0	33.6
In all other families ²	7.0	9.3	8.9	8.2	8.2	10.6	13.5	12.8	11.9	11.9
In families	6.3	8.5	8.2	7.3	7.4	9.8	12.6	11.9	10.9	10.9
Householder	5.5	7.2	7.0	6.3	6.3	8.8	10.8	10.5	9.5	9.4
Related children under 18 years	8.5	12.5	11.7	10.8	10.9	13.0	17.7	16.5	15.4	15.4
Other family members	5.1	6.7	6.6	5.8	5.8	8.1	10.2	9.8	8.8	8.8
Unrelated individuals	16.9	18.7	17.4	17.5	17.5	22.9	24.8	23.2	23.5	23.8

¹ Population controls based on 1980 census; see text section 14. ² Includes races and members of unrelated subfamilies not shown separately.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

NO. 745. PERSONS BELOW POVERTY LEVEL, BY RACE, HISPANIC ORIGIN, AGE, AND REGION: 1988

[Persons as of March 1989. Based on Current Population Survey; see headnote, table 726. Data based on revised processing procedures; see text, section 14, and source. For explanation of poverty level, see text, section 14. For composition of regions, see fig. 1, inside front cover]

AGE AND REGION	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races ¹	White	Black	Hispanic ²	All races ¹	White	Black	Hispanic ²
Total	31,878	20,765	9,426	5,379	13.1	10.1	31.6	28.8
Under 16 years old.....	11,550	6,931	3,978	2,468	20.4	15.2	45.4	38.9
16-21 years old.....	3,328	2,043	1,046	559	15.7	11.8	34.0	27.4
22-44 years old.....	9,470	6,379	2,573	1,627	10.5	8.4	23.6	20.6
45-54 years old.....	1,900	1,269	511	281	7.7	6.0	19.9	17.1
55-59 years old.....	1,023	715	276	117	9.6	7.7	25.4	18.9
60-64 years old.....	1,125	832	258	102	10.4	8.7	25.3	19.1
65 years old and over.....	3,482	2,595	785	225	12.0	10.0	32.2	22.4
Northeast.....	5,117	3,704	1,145	917	10.2	8.4	22.9	26.4
Midwest.....	6,842	4,604	1,996	932	11.5	8.7	34.8	22.3
South.....	13,591	7,615	5,893	1,953	16.2	11.6	34.3	30.4
West.....	6,328	4,842	592	2,167	12.7	11.3	23.6	24.4

¹ Includes other races not shown separately. ² Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 186.

NO. 746. PERSONS 65 YEARS OLD AND OVER BELOW POVERTY LEVEL, BY SELECTED CHARACTERISTICS: 1970 TO 1987

[Persons as of March of following year. Based on old processing procedures; therefore data will not agree with other tables. See text, section 14. See headnote, table 745]

CHARACTERISTIC	NUMBER BELOW POVERTY LEVEL (1,000)					PERCENT BELOW POVERTY LEVEL				
	1970	1979 ¹	1985	1986	1987	1970	1979 ¹	1985	1986	1987
Persons, 65 yr. and over	4,793	3,682	3,456	3,477	3,491	24.6	15.2	12.6	12.4	12.2
White.....	4,011	2,911	2,698	2,689	2,597	22.6	13.3	11.0	10.7	10.1
Black.....	735	740	717	722	808	47.7	36.3	31.5	31.0	33.9
Hispanic ³	(NA)	154	219	204	247	(NA)	26.8	23.9	22.5	27.4
In families.....	2,013	1,380	1,173	1,164	1,247	14.8	8.4	6.4	6.2	6.5
Householder.....	1,188	822	708	716	751	16.5	9.1	7.0	7.0	7.2
Male.....	980	629	498	520	533	15.9	8.4	6.0	6.1	6.1
Female.....	209	193	210	196	218	20.1	13.0	12.1	11.8	12.6
Other members.....	825	559	465	448	498	13.0	7.6	5.6	5.2	5.7
Unrelated individuals.....	2,779	2,299	2,281	2,311	2,241	47.2	29.4	25.6	25.2	24.0
Male.....	549	428	402	412	416	38.9	25.3	20.5	19.6	19.3
Female.....	2,230	1,871	1,879	1,899	1,825	49.8	30.5	27.0	26.8	25.4
Persons, 60 yr. and over	5,977	4,753	4,677	4,547	4,657	21.3	13.9	12.3	11.7	11.8

NA Not available. ¹ Population controls based on 1980 census; see text, section 14. ² Beginning 1979, includes members of unrelated subfamilies not shown separately. For earlier years, unrelated subfamily members are included in the "In families" category. ³ Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and unpublished data.

NO. 747. CHILDREN BELOW THE POVERTY LEVEL, BY RACE AND HISPANIC ORIGIN: 1970 TO 1987

[Persons as of March of the following year. Covers only related children in families under 18 years old. Based on Current Population Survey; see headnote, table 726. Based on old processing procedures; therefore data will not agree with other tables. See text, section 14. For explanation of poverty, see text, section 14. For composition of regions, see fig. 1, inside front cover]

YEAR AND REGION	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL			
	All races ¹	White	Black	Hispanic ²	All races ¹	White	Black	Hispanic ²
1970.....	10,235	6,138	3,922	(NA)	14.9	10.5	41.5	(NA)
1971.....	10,344	6,341	3,836	(NA)	15.1	10.9	40.7	(NA)
1972.....	10,082	5,784	4,025	(NA)	14.9	10.1	42.7	(NA)
1973.....	9,453	5,462	3,822	1,364	14.2	11.0	40.6	27.8
1974.....	9,367	6,079	3,719	1,414	15.1	11.0	39.6	28.6
1975.....	10,862	6,748	3,884	1,619	16.8	12.5	41.4	33.1
1976.....	10,081	6,034	3,758	1,424	15.8	11.3	40.4	30.1
1977.....	10,028	5,943	3,850	1,402	16.0	11.4	41.6	28.0
1978.....	9,722	5,674	3,781	1,354	15.7	11.0	41.2	27.2
1979.....	9,893	5,909	3,745	1,505	16.0	11.4	40.8	27.7
1980.....	11,114	6,817	3,908	1,718	17.9	13.4	42.1	33.0
1981.....	12,068	7,429	4,170	1,874	19.5	14.7	44.9	35.4
1982.....	13,139	8,282	4,388	2,117	21.3	16.5	47.3	38.9
1983.....	13,427	8,534	4,273	2,251	21.8	17.0	46.2	37.7
1984.....	12,929	8,086	4,320	2,317	21.0	16.1	46.2	38.7
1985.....	12,483	7,638	4,057	2,512	20.1	15.8	43.1	39.6
1986.....	12,257	7,714	4,039	2,413	19.8	15.3	42.7	37.1
1987.....	12,435	7,550	4,297	2,631	20.0	15.0	45.1	39.3
Northeast.....	1,986	1,342	571	600	16.9	13.5	39.4	52.9
Midwest.....	2,874	1,821	942	184	18.4	13.6	51.5	35.3
South.....	5,052	2,465	2,511	893	23.4	15.7	45.9	43.7
West.....	2,522	1,922	273	953	18.9	16.9	35.4	31.9

NA Not available. ¹ Includes persons of other races, not shown separately. ² Hispanic persons may be of any race.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 161, and earlier reports.

NO. 748. FAMILIES BELOW POVERTY LEVEL AND BELOW 125 PERCENT OF POVERTY LEVEL: 1959 TO 1988

[Families as of March of the following year. For explanation of poverty level, see text, section 14]

YEAR	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL				BELOW 125 PERCENT OF POVERTY LEVEL	
	All races ¹	White	Black	Hispanic ²	All races ¹	White	Black	Hispanic ²	Number (1,000)	Percent
1959	8,320	6,185	1,860	(NA)	18.5	15.2	48.1	(NA)	11,790	26.2
1960	8,243	6,115	(NA)	(NA)	18.1	14.9	(NA)	(NA)	11,525	25.4
1970	5,260	3,708	1,481	(NA)	10.1	8.0	29.5	(NA)	7,516	14.4
1972	5,075	3,441	1,529	(NA)	9.3	7.1	29.0	(NA)	7,347	13.5
1973	4,828	3,219	1,527	468	8.8	6.6	28.1	19.8	7,044	12.8
1974	4,922	3,352	1,479	526	8.8	6.8	26.9	21.2	7,195	12.9
1975	5,450	3,838	1,513	627	9.7	7.7	27.1	25.1	7,974	14.2
1976	5,311	3,560	1,617	598	9.4	7.1	27.9	23.1	7,647	13.5
1977	5,311	3,540	1,637	591	9.3	7.0	28.2	21.4	7,713	13.5
1978	5,280	3,523	1,622	559	9.1	6.9	27.5	20.4	7,417	12.8
1979 ³	5,320	3,515	1,666	610	9.1	6.8	27.6	19.7	7,586	13.0
1979 ⁴	5,461	3,581	1,722	614	9.2	6.9	27.8	20.3	7,784	13.1
1980	6,217	4,195	1,826	751	10.3	8.0	28.9	23.2	8,764	14.5
1981	6,851	4,670	1,972	792	11.2	8.8	30.8	24.0	9,568	15.7
1982	7,512	5,118	2,158	916	12.2	9.6	33.0	27.2	10,279	16.7
1983	7,681	5,254	2,161	985	12.4	9.7	32.3	26.0	10,410	16.8
1983 ⁵	7,647	5,220	2,161	981	12.3	9.7	32.3	25.9	(NA)	(NA)
1984	7,277	4,925	2,094	991	11.6	9.1	30.9	25.2	9,901	15.8
1985	7,223	4,983	1,983	1,074	11.4	9.1	28.7	25.5	9,753	15.3
1986	7,023	4,811	1,987	1,085	10.9	8.6	28.0	24.7	9,476	14.7
1987	7,059	4,592	2,149	1,183	10.8	8.2	29.9	25.8	9,458	14.5
1987 ⁶	7,005	4,567	2,117	1,168	10.7	8.1	29.4	25.7	(NA)	(NA)
1988 ⁶	6,876	4,471	2,090	1,141	10.4	7.9	28.2	23.7	(NA)	(NA)

NA Not available. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Population controls based on 1970 census; see text, section 14. ⁴ Population controls based on 1960 census; see text, section 14. ⁵ Beginning 1983, data based on revised Hispanic population controls; data not directly comparable with prior years. ⁶ Based on revised processing procedures; data not comparable with prior years. See text, section 14, and source.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 166.

NO. 749. FAMILIES BELOW POVERTY LEVEL—SELECTED CHARACTERISTICS, BY RACE AND HISPANIC ORIGIN: 1988

[In thousands, except percent. Families as of March 1989. Based on revised processing procedures; see text, section 14 and source. For explanation of poverty, see text, section 14. For composition of regions, see fig. 1, inside front cover]

CHARACTERISTIC	NUMBER BELOW POVERTY LEVEL				PERCENT BELOW POVERTY LEVEL			
	All races ¹	White	Black	Hispanic ²	All races ¹	White	Black	Hispanic ²
Total	6,876	4,471	2,090	1,141	10.4	7.9	28.2	23.7
Age of householder:								
15-24 years old	892	551	326	163	29.7	23.2	59.6	38.2
25-34 years old	2,272	1,454	720	404	15.0	11.6	34.6	27.4
35-44 years old	1,501	972	441	277	9.2	7.0	23.2	22.7
45-54 years old	778	510	198	136	6.9	5.2	17.9	17.3
55-64 years old	732	523	196	96	7.7	6.2	21.6	17.9
65 years old and over	701	461	209	65	6.6	4.8	24.2	17.1
Region:								
Northeast	1,120	818	245	235	8.3	6.9	20.0	27.2
Midwest	1,487	968	474	63	9.2	6.7	33.2	18.1
South	2,984	1,683	1,243	403	12.9	9.0	30.2	25.9
West	1,285	1,002	128	440	9.9	8.8	20.2	21.4
Size of family:								
2 persons	2,319	1,678	581	225	8.5	6.9	22.7	17.8
3 persons	1,601	1,002	525	274	10.4	7.7	27.1	23.5
4 persons	1,392	867	464	232	9.9	7.2	31.7	20.2
5 persons	850	557	245	221	14.0	11.3	28.3	31.7
6 persons	395	221	148	106	20.8	15.1	45.5	33.2
7 persons or more	320	147	127	84	32.3	22.7	48.5	36.4
Mean size	3.52	3.39	3.67	4.12	(x)	(x)	(x)	(x)
Mean number of children per family with children	2.24	2.18	2.31	2.61	(x)	(x)	(x)	(x)
Education of householder:³								
Elementary: Less than 8 years	962	662	262	343	25.0	22.2	35.1	31.9
8 years	491	348	112	91	15.8	12.9	34.9	30.0
High school: 1 to 3 years	1,462	871	535	219	20.0	14.9	40.7	31.7
4 years	2,064	1,366	617	190	8.9	6.8	24.7	16.0
College: 1 year or more	894	613	224	85	3.5	2.7	11.5	8.4
Work experience of householder in 1988:⁴								
Total⁵	6,845	4,451	2,082	1,137	10.4	7.9	28.1	23.6
Worked	3,304	2,357	838	602	6.6	5.4	16.6	16.2
50 to 52 weeks	1,423	1,072	307	277	3.5	3.0	8.1	9.8
1 to 49 weeks	1,881	1,285	532	325	19.4	15.8	41.5	36.3
Did not work	3,509	2,067	1,238	530	23.9	17.2	56.1	51.4

X Not applicable. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Householder 25 years old and over. ⁴ Restricted to families with civilian workers. ⁵ Includes Armed Forces not shown separately. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 166.

NO. 750. FAMILIES BELOW POVERTY LEVEL—ALTERNATIVE INFLATION ADJUSTMENT: 1970 TO 1987

[In thousands, except percent. Families include unrelated individuals and are therefore not directly comparable to Census Bureau definitions; see text, section 1. Adjustments for family size and inflation were made to family income and poverty thresholds; see text, section 14. Based on March Current Population Survey, 1971-1988]

ITEM	1970	1975	1980	1981	1982	1983	1984	1985	1986	1987
NUMBER OF FAMILIES BELOW POVERTY LEVEL										
All families	9,775	9,630	10,869	11,578	12,142	12,695	12,091	12,203	12,269	12,449
Families with children ¹	3,330	3,903	4,432	4,691	5,291	5,463	5,230	5,177	5,199	5,229
Married couples	1,558	1,629	1,555	1,683	1,969	2,051	1,877	1,803	1,844	1,641
Single mothers	1,509	2,050	2,498	2,648	2,900	2,948	2,918	2,957	3,121	3,129
Nonelderly units:										
Childless families	662	611	567	797	920	954	907	898	826	636
Unrelated individuals	2,146	2,677	3,307	3,591	3,578	3,975	3,890	3,990	4,016	4,152
Elderly units:										
Childless families	965	504	574	527	527	529	408	420	413	461
Unrelated individuals	2,672	1,936	1,969	1,972	1,827	1,774	1,656	1,718	1,815	1,771
PERCENT BELOW POVERTY LEVEL										
All families	15	13	12	13	14	14	13	13	13	13
Families with children ¹	11	12	13	14	16	16	16	15	15	15
Married couples	6	7	6	7	8	9	8	7	7	7
Single mothers	45	44	42	43	47	46	44	44	46	45
Nonelderly units:										
Childless families	4	4	3	4	5	5	4	4	4	4
Unrelated individuals	23	20	17	18	18	19	18	18	18	18
Elderly units:										
Childless families	14	6	6	6	6	6	4	4	4	4
Unrelated individuals	46	28	25	24	22	21	19	19	20	19

¹ Includes other types of families not shown separately.

Source: Congressional Budget Office, *Trends in Family Income: 1970-1986*, February 1988, and Congressional Budget Office tabulations.

NO. 751. PERSONS BELOW POVERTY LEVEL AND POVERTY RATE, BY DEFINITION OF INCOME: 1986

[Persons as of March 1987. Based on Current Population Survey; see text, sections 1 and 14. For explanation of definitions of income see text, section 14 and source]

Defi- nition number	DEFINITION OF INCOME	NUMBER BELOW POVERTY LEVEL (1,000)				PERCENT BELOW POVERTY LEVEL				
		All races ¹	White	Black	His- panic ²	All races ¹	White	Black	His- panic ²	
	All persons	236,554	202,262	28,871	18,758	(x)	(x)	(x)	(x)	
	INCOME BEFORE TAXES									
1	Money income excluding capital gains (current) treasure ³	32,370	22,183	8,993	5,117	13.6	11.0	31.1	27.3	
2	Definition 1 less government money transfers	49,702	36,723	11,414	6,155	20.8	18.2	39.5	32.8	
3	Definition 2 plus capital gains	48,597	35,831	11,233	6,048	20.4	17.7	38.9	32.2	
4	Definition 3 plus health insurance supplements to wage or salary income ⁴	47,376	34,919	10,951	5,845	19.9	17.3	37.9	31.2	
	INCOME AFTER TAXES									
5	Definition 4 less income and payroll taxes	50,554	37,294	11,665	6,357	21.2	18.4	40.4	33.9	
6	Definition 5 plus nonmeans-tested government cash transfers ⁵	35,469	24,229	9,867	5,558	14.9	12.0	34.2	29.6	
7	Definition 6 plus fungible value of Medicare	34,258	23,345	9,575	5,496	14.4	11.5	33.2	29.3	
8	Definition 7 plus means-tested government cash transfers ⁶	32,220	22,018	8,993	5,179	13.5	10.9	31.1	27.6	
9	Definition 8 plus value of food and housing benefits ⁷	28,825	19,902	7,837	4,573	12.1	9.8	27.1	24.4	
10	Definition 9 plus fungible value of Medicaid	27,589	19,078	7,460	4,408	11.6	9.4	25.8	23.5	
11	Definition 10 plus net imputed return on equity in own home ⁸	24,565	16,636	6,923	4,015	10.3	8.2	24.0	21.4	

X Not applicable. ¹ Includes other races not shown separately. ² Hispanic persons may be of any race. ³ Official definition of income based on money income before taxes and includes government cash transfers. ⁴ Employer contributions to the health insurance plans of employees. ⁵ Includes Social Security and Railroad Retirement, Veterans payments, and unemployment and workers' compensation. ⁶ Includes AFDC or other assistance or welfare payments and Supplemental Security income. Households must meet certain eligibility requirements in order to qualify for these benefits. (See section 12.) ⁷ Includes Medicaid, food stamps, subsidies from free or reduced-price school lunches, and rent subsidies. ⁸ Estimated amount of income a household would receive if it chose to shift amount held as home equity into an interest bearing account.

Source: U.S. Bureau of the Census, *Current Population Reports*, series P-60, No. 164-RD-1.

NO. 752. GROSS AND NET STOCK OF FIXED REPRODUCIBLE TANGIBLE WEALTH IN CURRENT AND CONSTANT (1982) DOLLARS: 1970 TO 1988

[In billions of dollars. As of December 31]

ITEM	1970	1975	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
CURRENT DOLLARS													
Gross stock, total	4,335	7,605	10,905	12,366	13,914	15,330	15,873	16,768	17,733	18,770	19,787	21,149	22,397
Equipment	1,583	2,986	3,727	4,247	4,849	5,432	5,840	6,160	6,499	6,900	7,415	7,864	8,462
Structures	2,752	4,919	7,177	8,119	9,065	9,899	10,032	10,607	11,235	11,870	12,372	13,286	13,935
Private	2,649	4,756	6,981	7,902	8,943	10,007	10,343	10,929	11,566	12,105	12,577	13,700	14,412
Nonresidential equipment	679	1,252	1,770	2,031	2,353	2,680	2,894	3,008	3,153	3,267	3,511	3,680	3,936
Nonresidential structures	774	1,409	2,004	2,194	2,491	2,823	2,965	3,087	3,280	3,420	3,545	3,773	3,947
Residential	1,195	2,094	3,207	3,677	4,098	4,503	4,484	4,834	5,133	5,399	5,700	6,247	6,529
Corporate	1,115	2,056	2,902	3,264	3,748	4,259	4,542	4,706	4,977	5,202	5,499	5,824	6,195
Noncorporate	1,533	2,700	4,080	4,638	5,195	5,748	5,801	6,223	6,589	6,903	7,258	7,876	8,217
Government	1,006	1,730	2,372	2,704	2,997	3,162	3,234	3,387	3,561	3,848	3,967	4,143	4,402
Equipment	224	314	406	456	521	590	651	700	739	796	841	877	943
Structures	782	1,416	1,966	2,248	2,476	2,572	2,583	2,687	2,822	3,052	3,127	3,266	3,459
Federal	371	549	710	802	910	997	1,059	1,123	1,152	1,257	1,309	1,351	1,434
Military	228	316	403	465	533	586	683	708	784	825	844	909	
State and local	635	1,181	1,662	1,902	2,087	2,165	2,175	2,264	2,400	2,591	2,658	2,793	2,967
Consumer durable goods	680	1,119	1,552	1,760	1,974	2,162	2,295	2,452	2,606	2,817	3,063	3,306	3,583
Net stock, total	2,837	4,800	6,564	7,436	8,312	9,094	9,310	9,775	10,325	10,912	11,493	12,280	12,971
Private	1,837	2,934	4,295	4,867	5,484	6,104	6,242	6,593	6,939	7,255	7,637	8,193	8,600
Government	627	1,070	1,449	1,644	1,808	1,894	1,926	2,005	2,100	2,259	2,323	2,426	2,565
Consumer durable goods	372	596	820	925	1,020	1,096	1,142	1,207	1,286	1,398	1,534	1,661	1,806
CONSTANT (1982) DOLLARS													
Gross stock, total	10,743	12,772	14,093	14,604	15,042	15,467	15,834	16,245	16,762	17,335	17,923	18,510	19,137
Equipment	3,344	4,236	4,889	5,146	5,355	5,558	5,741	5,952	6,223	6,537	6,866	7,211	7,600
Structures	7,399	8,536	9,204	9,458	9,687	9,909	10,093	10,293	10,539	10,798	11,057	11,300	11,537
Private	6,989	8,313	9,164	9,514	9,813	10,106	10,334	10,579	10,904	11,254	11,603	11,928	12,303
Nonresidential equipment	1,620	2,084	2,400	2,537	2,651	2,759	2,834	2,913	3,024	3,154	3,284	3,418	3,587
Nonresidential structures	2,118	2,429	2,609	2,686	2,769	2,865	2,951	3,020	3,104	3,195	3,282	3,313	3,362
Residential	3,251	3,800	4,154	4,291	4,393	4,481	4,548	4,646	4,776	4,906	5,058	5,207	5,355
Corporate	2,683	3,480	3,867	4,036	4,194	4,354	4,481	4,600	4,771	4,969	5,152	5,325	5,528
Noncorporate	4,106	4,833	5,297	5,477	5,619	5,752	5,853	5,979	6,132	6,285	6,451	6,613	6,775
Government	2,548	2,839	3,001	3,056	3,118	3,171	3,230	3,291	3,348	3,422	3,502	3,596	3,686
Equipment	518	532	561	575	592	609	637	665	689	725	764	816	866
Structures	2,030	2,307	2,440	2,481	2,525	2,562	2,594	2,627	2,659	2,697	2,738	2,780	2,821
Federal	922	934	965	990	999	1,018	1,046	1,075	1,098	1,133	1,168	1,216	1,257
Military	554	544	561	574	598	600	624	647	666	695	729	770	806
State and local	1,628	1,905	2,036	2,076	2,118	2,153	2,185	2,217	2,250	2,290	2,334	2,380	2,429
Consumer durable goods	1,206	1,620	1,928	2,034	2,111	2,190	2,270	2,375	2,511	2,658	2,817	2,977	3,147
Net stock, total	6,566	7,743	8,467	8,762	8,972	9,165	9,299	9,469	9,750	10,079	10,418	10,741	11,086
Private	4,313	5,130	5,622	5,841	6,005	6,156	6,244	6,349	6,535	6,741	6,941	7,123	7,331
Government	1,594	1,753	1,826	1,852	1,878	1,898	1,925	1,949	1,974	2,012	2,053	2,108	2,153
Consumer durable goods	659	860	1,019	1,069	1,090	1,111	1,129	1,170	1,242	1,327	1,423	1,510	1,603

Source: U.S. Bureau of Economic Analysis, *Fixed Reproducible Tangible Wealth in the United States, 1925-85* and *Survey of Current Business*, August issues.

NO. 753. TOP WEALTHHOLDERS WITH GROSS ASSETS OF \$325,000 OR MORE, BY SIZE OF NET WORTH AND SEX: 1982

[All figures are estimates based on estate tax return samples. Net worth equals assets minus debits and mortgages. Minus sign (-) indicates negative net worth]

ITEM	Unit	Total	NET WORTH					
			Under \$100,000	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$5,000,000 or more	
Top wealthholders, number	1,000	4,478.8	341.7	649.0	2,032.3	980.3	437.3	38.2
Total assets	Mil. dol.	3,218,225	93,776	200,942	868,468	734,672	874,391	445,755
Net worth	Mil. dol.	2,713,510	-14,193	116,863	749,472	661,212	786,989	413,167
Male: Top wealthholders, number	1,000	2,763.4	304.7	527.9	1,136.1	529.8	243.5	21.4
Total assets	Mil. dol.	1,915,893	84,376	158,789	494,675	412,968	503,067	262,019
Net worth	Mil. dol.	1,535,501	-11,046	94,329	414,981	359,422	441,010	236,804
Female: Top wealthholders, number	1,000	1,715.3	37.0	121.0	896.2	450.5	193.8	16.8
Total assets	Mil. dol.	1,302,332	9,421	42,153	373,793	321,904	371,325	183,736
Net worth	Mil. dol.	1,178,010	-3,147	22,535	334,491	301,790	345,979	176,362

¹ Includes those wealthholders with negative net worth.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Spring 1988.

NO. 754. TOP WEALTHHOLDERS WITH GROSS ASSETS OF \$325,000 OR MORE, BY STATE OF RESIDENCE: 1982

[All figures are estimates based on estate tax return samples. Net worth equals assets minus debts and mortgages. For composition of regions, see fig. 1, inside front cover]

REGION, DIVISION, AND STATE	Number of top wealth-holders (1,000)	Total assets (bil. dol.)	Net worth (bil. dol.)	MILLIONAIRES AS DEFINED BY NET WORTH		DIVISION AND STATE OR OTHER AREA	Number of top wealth-holders (1,000)	Total assets (bil. dol.)	Net worth (bil. dol.)	MILLIONAIRES AS DEFINED BY NET WORTH	
				Number (1,000)	Amount (bil. dol.)					Number (1,000)	Amount (bil. dol.)
Total	4,478.8	3,218.2	2,713.5	475.5	1,200.2						
Region:						S.A.—Con.					
Northeast.....	839.7	583.4	516.7	87.4	231.1	MD ¹	88.9	65.5	57.7	9.8	28.5
Midwest.....	1,090.5	683.9	563.5	87.4	194.5	VA.....	89.9	60.6	53.2	8.0	25.1
South.....	1,407.2	1,017.0	859.2	159.7	397.1	WV.....	10.6	7.4	5.5	.8	1.3
West.....	1,129.7	926.3	766.9	138.7	374.2	NC.....	71.2	43.1	34.3	5.0	10.7
N.E.	226.9	152.6	135.7	23.9	58.9	SC.....	50.0	29.1	24.8	3.4	9.1
ME.....	14.7	10.5	8.1	1.2	3.0	GA.....	86.3	57.2	47.7	7.9	20.4
NH.....	13.6	9.4	7.7	1.3	3.5	FL.....	286.1	229.3	194.2	41.8	97.6
VT.....	10.3	8.8	8.1	1.4	4.2	E.S.C.	189.8	119.8	109.9	21.0	42.4
MA.....	102.3	61.1	54.7	8.8	20.7	KY.....	49.8	31.5	26.2	5.0	11.2
RI.....	10.9	8.0	6.9	1.5	3.0	TN.....	61.5	38.1	32.3	7.2	13.7
CT.....	75.1	54.7	50.2	9.7	24.4	AL.....	44.8	31.8	27.8	7.2	14.4
M.A.	612.8	430.8	381.0	63.5	172.2	MS.....	33.9	18.3	14.5	1.6	3.1
NY.....	326.5	245.7	220.9	38.1	109.5	W.S.C.	518.7	396.8	334.1	61.2	159.8
NJ.....	141.7	89.8	77.9	11.6	29.2	AR.....	31.8	24.7	20.0	4.7	9.3
PA.....	144.6	85.2	82.2	13.8	33.5	LA.....	70.6	50.8	41.3	7.6	18.2
E.N.C.	641.9	403.9	337.8	56.7	122.8	OK.....	72.8	55.0	45.9	7.5	21.5
OH.....	141.5	86.6	74.1	13.0	27.1	TX.....	343.5	266.3	226.9	41.4	110.9
IN.....	80.3	48.4	40.4	7.6	14.7	Mt.	275.0	216.9	174.9	30.0	85.3
IL.....	230.7	154.5	126.7	20.8	47.4	MT.....	25.5	18.5	11.9	1.9	4.4
MI.....	111.8	68.7	59.8	9.8	22.2	ID.....	18.5	11.4	7.9	1.0	2.1
WI.....	77.6	45.7	36.7	5.5	11.4	WV.....	14.1	10.7	8.9	2.5	4.6
W.N.C.	448.6	280.0	225.7	30.7	71.7	CO.....	83.3	70.0	54.0	8.2	26.4
MN.....	90.6	56.6	44.6	6.4	15.4	NM.....	14.6	11.5	8.4	1.6	3.6
IA.....	105.6	58.3	45.6	4.7	10.5	AZ.....	67.3	54.0	48.0	7.0	24.1
MO.....	77.0	55.6	48.4	8.1	19.9	UT.....	24.0	16.4	13.6	3.4	6.7
ND.....	29.5	18.9	13.5	2.2	3.6	NV.....	27.7	26.2	22.1	4.4	13.5
SD.....	19.4	10.4	7.2	1.0	1.6	Pac.	854.7	709.4	592.1	108.7	289.0
NE.....	57.0	36.0	28.5	4.1	8.0	WA.....	75.5	56.2	47.3	7.7	17.9
KS.....	69.5	44.1	37.9	4.2	12.7	OR.....	51.5	28.9	24.9	2.6	5.3
S.A.	698.7	500.5	424.2	77.5	194.9	CA.....	689.4	588.5	500.0	95.2	257.5
DE.....	13.7	8.2	6.9	.8	2.2	AK.....	18.0	11.1	8.6	1.8	3.4
						HI.....	20.3	14.8	11.2	1.4	4.8
						Other areas ²	11.3	7.6	7.2	1.9	3.2

¹ Includes District of Columbia. ² U.S. citizens domiciled abroad.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Spring 1988.

NO. 755. TOP WEALTHHOLDERS WITH GROSS ASSETS GREATER THAN \$500,000, BY SIZE OF NET WORTH AND TYPE OF ASSET: 1982

[All figures are estimates based on a sample of estate tax returns]

TYPE OF ASSET	NUMBER (1,000)					AMOUNT (bil. dol.)				
	Total	Net worth				Total	Net worth			
		Under \$250,000 ¹	\$250,000–\$500,000	\$500,000–\$1,000,000	\$1,000,000 or more		Under \$250,000 ¹	\$250,000–\$500,000	\$500,000–\$1,000,000	\$1,000,000 or more
Total	2,233.1	282.6	494.7	980.3	475.5	2,464	131	278	735	1,320
Real estate.....	2,074.3	264.7	476.0	893.4	440.3	800	68	137	271	325
Corporate stock.....	1,842.9	196.7	387.4	820.0	438.8	738	13	44	173	508
Noncorporate business assets.....	971.8	127.8	221.8	373.2	249.0	191	17	23	41	110
Cash.....	2,178.0	269.5	478.0	960.9	469.6	206	7	21	93	85
Bonds.....	980.7	50.6	143.7	499.8	286.5	174	1	6	48	118
State and local government.....	559.9	14.8	61.8	278.6	204.7	94	1	3	22	69
Federal savings.....	244.4	21.0	44.6	125.4	53.5	7	(2)	(2)	3	3
Other Federal.....	324.5	8.2	36.2	175.8	104.3	56	(2)	2	17	37
Corporate and foreign.....	407.7	16.2	56.1	221.1	114.2	17	(2)	1	7	9
Notes and mortgages.....	975.9	82.0	197.9	432.4	263.7	116	6	14	40	56
Life insurance equity.....	1,622.4	269.9	422.2	624.2	306.0	31	6	8	8	8
Other assets.....	2,139.0	270.8	476.5	932.0	459.6	209	12	25	61	111
Debts and mortgages	2,033.2	278.0	475.8	843.7	435.7	399	122	84	74	120
Net worth	(x)	(x)	(x)	(x)	(x)	2,065	9	194	661	1,200

X Not applicable Z Less than \$500 million. ¹ Includes those wealthholders with negative net worth.

Source: U.S. Internal Revenue Service, *Statistics of Income Bulletin*, Spring 1988.