
Poverty Data

Table 3.E1 presents weighted average poverty thresholds for families in the United States for 1959-99. Table 3.E2 presents data on the number and percent of people in poverty in the United States for 1959-98. Tables 3.E3, 3.E4, and 3.E6 present more detailed data on people and families in poverty in the United States during 1998. (Both poverty thresholds and poverty population data are issued by the U.S. Census Bureau.) Table 3.E8 presents poverty guidelines by family size for the contiguous United States, Alaska, and Hawaii for 1965-2000. (Poverty guidelines are issued by the U.S. Department of Health and Human Services.)

Poverty thresholds are used primarily for statistical purposes—producing statistics on the number of Americans in poverty. Poverty guidelines are used for administrative purposes—for example, to determine whether a person or family is financially eligible for assistance or services under certain federal government programs (not including cash public assistance). Both thresholds and guidelines are sets of dollar figures which vary by family size and (in the case of the thresholds) family composition.

The poverty thresholds were developed in 1963-64 by Mollie Orshansky of the Social Security Administration as a measure of income inadequacy. The poverty definition was modified in 1969 and 1981 by federal interagency committees. The thresholds were based on food expenditure/income patterns (from the Department of Agriculture's 1955 Household Food Consumption Survey) and the costs of the Department of Agriculture's economy food plan for families of different sizes and compositions. (See Joseph Dalaker, U.S. Census Bureau, "Poverty in the United States: 1998," *Current Population Reports: Consumer Income*, Series P60-207, September 1999, Appendix A, for an explanation of the poverty definition.)

The poverty thresholds have become the basis for the official statistics on the extent of poverty in the United States which are issued annually by the Census Bureau in the Current Population Reports series. The thresholds are adjusted annually for price changes using the annual average Consumer Price Index (CPI-U). (See U.S. Bureau of the Census, "Revision in Poverty Statistics, 1959 to 1968," *Current Population Reports: Special Studies*, Series P-23, No. 28, August 1969; and Directive No. 14, "Definition of Poverty for Statistical Purposes," *Statistical Policy Handbook*, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards, 1978.)

The poverty guidelines are a simplified version of the poverty thresholds; there are separate sets of guidelines for the two noncontiguous states (Hawaii and Alaska). The guidelines are used for determining whether a person or family is financially eligible for assistance or services under certain federal programs. Authorizing legislation or regulations for specific programs indicate whether a program

uses the poverty guidelines as one of several eligibility criteria, uses a modification of the guidelines (for example, 125 percent or 185 percent of the guidelines), or uses them for the purpose of setting priorities in providing assistance or services.

Since 1973, the guidelines have been computed from the poverty thresholds by increasing the most recently published weighted average poverty thresholds by the percentage change in the CPI-U over the past year (more precisely, from the next most recent calendar year to the most recent calendar year) and rounding the figure for a family of four up to the next highest multiple of \$50. Figures for all family sizes over and under four persons are computed by adding or subtracting equal dollar amounts derived from the average difference between poverty lines (rounded to the nearest multiple of \$20).

The poverty thresholds were calculated using data (the 1955 Household Food Consumption Survey) that defined income as after-tax money income; accordingly, the thresholds were intended to be applied to data on money income. The National Research Council's Panel on Poverty and Family Assistance put great emphasis on the principle of consistency in poverty measurement—that the definition of family resources (income) used should be consistent with the concept underlying the poverty thresholds. (For a discussion of this principle, see *Measuring Poverty: A New Approach*, Constance F. Citro and Robert T. Michael (eds.), Washington, DC, National Academy Press, 1995, pp. 4, 9-10, 37-40, 65-66, 98, 203-206, and 227-231. This important report proposed a new approach for developing an official poverty measure for the United States.) According to the Panel's principle of consistency, it would be inappropriate to apply the current poverty thresholds (calculated using an income definition of after-tax money income) to an income distribution that used an income definition of money income plus selected noncash benefits.

As noted above, the poverty thresholds were developed in 1963-64 by Mollie Orshansky of the Social Security Administration. In May 1965—just over a year after the Johnson Administration had initiated the War on Poverty—the Office of Economic Opportunity adopted Orshansky's thresholds as a working or quasi-official definition of poverty. At that time, the thresholds comprised a matrix of 124 detailed poverty thresholds based on the total number of family members, the number of family members who were children, the sex of the family householder, the age of the individual or family householder (for one- and two-person units only), and whether the family lived on a farm.

In 1969, a federal interagency committee made two changes in the poverty definition: the thresholds would be annually updated by the Consumer Price Index instead of by the per capita cost of the economy food plan, and farm poverty thresholds were set at 85 percent rather than 70

percent of corresponding nonfarm thresholds. (Figures for prior years were retabulated retrospectively on this basis.) In August 1969, the Bureau of the Budget designated the poverty thresholds with these revisions as the federal government's official statistical definition of poverty.

In 1981, several other changes were made in the poverty definition: (1) elimination of separate thresholds for farm families, (2) elimination (through appropriate averaging) of separate thresholds for female-householder and "all other" families, and (3) extension of the poverty matrix to make the largest family size category "nine persons or more" rather than "seven or more persons." (See U.S. Bureau of the Census, "Characteristics of the Population Below the Poverty Level: 1980," *Current Population Reports: Consumer Income*, Series P-60, No. 133, July 1982, pp. 2-5, 9, and 186.) As a result of these changes, the current matrix of poverty thresholds used by the Census Bureau to determine the poverty status of families and unrelated individuals consists of a set of 48 detailed thresholds arranged in a two-dimensional matrix by family size (from one person, that is, an unrelated individual, to a family of nine or more persons) cross-classified by the presence and number of family members under age 18 (from no children to eight or more children present). Unrelated individuals and two-person families are further differentiated by the age of the individual or family householder (under age 65 and aged 65 or older).

The current official definition of poverty is over 30 years old. In 1990, Congress requested a study of the official U.S. poverty measure by the National Research Council (NRC) to provide a basis for a possible revision of the poverty measure. In 1992, the NRC's Committee on National Statistics appointed a Panel on Poverty and Family Assistance to conduct this study. In 1995, the Panel published its report of the study, *Measuring Poverty: A New Approach*, Constance F. Citro and Robert T. Michael (eds.), Washington, DC, National Academy Press, 1995. In the report, the Panel proposed a new approach for developing an official poverty measure for the United States—although it did not propose a specific set of dollar figures. The Panel's proposed approach focused on three major areas: new poverty thresholds, a new and consistent definition of family resources (income), and data sources.

In July 1999, the Census Bureau, in collaboration with the Bureau of Labor Statistics, released a report, *Experimental Poverty Measures: 1990 to 1997 (P60-205)* that examined the effects of different resource definitions and thresholds on poverty and which estimated several experimental poverty rates based on the NRC panel's recommendations. That report and subsequent updates are available on the Census Bureau poverty measurement webpage at:

<<http://www.census.gov/hhes/www/povmeas.html>>.

Data on the poverty population and on family and personal income are collected in the March Current Population Survey (CPS). Data from the March survey are also known

as the Annual Demographic File. Following the standard Census Bureau definition, the family is defined as two or more persons related by birth, marriage, or adoption and residing together. "Income" refers to money income from all sources, including public income transfers, but before federal, state, or local personal income taxes. Money income does not reflect that many families receive noncash benefits such as employee use of business transportation and facilities, employer-paid health insurance and other employer-supported fringe benefits, Medicare, Medicaid, food stamps, and housing assistance. Many farm families receive benefits in the form of rent-free housing or goods produced and consumed by the family.

Once a year, in March, the sample of U.S. households interviewed in the monthly CPS is asked to provide information on household members' incomes during the preceding calendar year. Survey experience indicates that respondents tend to underreport their income in household surveys. Underreporting is most pronounced for dividends, interest and workers' compensation; less pronounced for veterans' payments, public assistance, and private pensions; and modest for Social Security and federal retirement programs. The proportion of nonresponses to CPS income questions is greater among middle income and higher income families than among lower income families.

It should be noted that changes have occurred in the sample size, content, and procedures of the CPS over the years. Since 1959—the first year for which poverty statistics using the current official definition are available—the number of households interviewed has changed, the definition of farm residence was altered, the number of income types separately identified has been increased, and more sophisticated allocation procedures have been developed for income items respondents failed to report. Medians computed by the Census Bureau for 1979 through 1987 were calculated using Pareto interpolation if the median estimate contained high-income persons, families, and households. All median incomes for 1975 and earlier and those for years after 1987 were computed using linear interpolation. Because of these changes, the income and poverty data and medians as reported yearly by the Census Bureau do not in the strictest sense form a continuous series.

The major modifications introduced in March 1980 rendered interpretation of change from 1978 to 1979 particularly difficult. In March 1980, the sample size was expanded considerably. The number and type of questions relating to income received in 1979 changed, as did the procedure for allocating the reported income among family members. The description of family structure was changed—eliminating secondary families and replacing the concept of "family head" with that of "householder" or "reference person." Such modifications result in adding to the number of households designated as having a female head some husband-wife families that formerly would have been

classified as having a male head. Another consequence is the sharp rise in the number of households—poor and non-poor alike—credited with income received from dividends, interest, and rent, or from pensions other than Social Security. The 1978-79 increase in these characteristics is much greater than one would normally expect for a single year and should not be attributed to economic and social factors alone. Comparison of data for 1979 (obtained in March 1980) with those for 1978 and earlier years should make allowance for the differences in survey techniques. Moreover, data for 1980 (collected in March 1981) have been adjusted to new controls introduced in the 1980 Census, and data for 1992 and following have been adjusted to 1990 Census population controls.

In March 1994 the Census Bureau began using computer assisted survey information collection (CASIC) technology for its entire data collection process. This conversion to a completely computer-assisted data collection environment represented a major break in the March CPS data series. As a result, data from the March 1994 CPS and later are not strictly comparable with earlier years. From April 1994 through June 1995, the Census Bureau also introduced a new sample design for the CPS, based on results from the 1990 Census. For further information about the implications of these changes, please see the report *Income, Poverty, and the Valuation of Noncash Benefits*, (P60-189), p. vii.