Data Source Descriptions

Aerometric Information Retrieval System ................................................................. 119
American Housing Survey ....................................................................................... 119
Continuing Survey of Food Intakes by Individuals .................................................. 119
Current Population Survey ....................................................................................... 120
High School and Beyond ......................................................................................... 121
Monitoring the Future .............................................................................................. 121
National Assessment of Educational Progress ....................................................... 121
National Assessment of Educational Progress High School Transcript Studies ........ 122
National Crime Victimization Survey ....................................................................... 122
National Education Longitudinal Study of 1988 ...................................................... 123
National Health Interview Survey ............................................................................ 123
National Household Education Survey ................................................................. 124
National Immunization Survey ............................................................................. 124
National Linked File of Live Births and Infant Deaths ............................................. 125
National Vital Statistics System ........................................................................... 125
Population Estimates ............................................................................................. 126
Population Projections .......................................................................................... 126
Survey of Income and Program Participation ......................................................... 126
Uniform Crime Reports ......................................................................................... 127
Data Source Descriptions

Aerometric Information Retrieval System

The Aerometric Information Retrieval System (AIRS) is a repository of information about airborne pollution in the United States and various World Health Organization (WHO) member countries. The system is administered by the U.S. Environmental Protection Agency (EPA), Office of Air Quality Planning and Standards (OAQPS), Information Transfer and Program Integration Division (ITPID), located in Research Triangle Park, North Carolina. Data on criteria pollutants consist of air quality measurements collected by sensitive monitoring equipment at thousands of sites across the Nation operated by State and local environmental agencies. Each monitor measures the concentration of a particular pollutant in the air. Monitoring data indicate the average pollutant concentration during a time interval, usually 1 hour or 24 hours.

Information on the AIRS system is available online at http://www.epa.gov/airs.

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American Housing Survey

This survey provides data necessary for evaluating progress made toward “a decent home and a suitable living environment for every American family,” affirmed in 1949 and 1968 legislation. The data come from a U.S. Census Bureau nationwide sample survey in odd-numbered years for national, regional, and metropolitan/non-metropolitan data and from surveys in 47 metropolitan statistical areas over a multi-year cycle. These data detail the types, size, conditions, characteristics, costs and values, equipment, utilities, and dynamics of the housing inventory; describe the demographic, financial, and mobility characteristics of the occupants; and give as well some information on neighborhood conditions. In 1997, the survey was conducted using computer-assisted personal interviewing for the first time, and questions on rental assistance and physical problems were also changed. Therefore, 1997 data on assisted families, priority problems, and severe physical problems are not comparable to earlier data.

Information about the American Housing Survey is available online at http://www.census.gov/hhes/www/ahs.html.

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Continuing Survey of Food Intakes by Individuals

The Continuing Survey of Food Intakes by Individuals (CSFII) is designed to measure what Americans eat and drink. Uses of the survey include monitoring the nutritional adequacy of American diets, measuring the impact of food fortification on nutrient intakes, developing dietary guidance and related programs, estimating exposure of population groups to food contaminants, evaluating the nutritional impact of food assistance programs, and assessing the need for agricultural products. Individuals were asked to provide 3 consecutive days of dietary data. The 1994-96 CSFII also included individuals living in households and oversampling of the low-income population. In each of the 3 survey years, respondents were asked to provide, through in-person interviews, food intake data on 2 nonconsecutive days, with both days of intake collected by the 24-hour recall method. The 1998 sample of children ages 2 to 9 was designed as a supplement to the 1994-1996 CSFII. Dietary recall methods were the same in both samples. Intake data were provided for 3,937 children under 18 years of age in 1989-91, and 4,011 children ages 2 to 9 in 1998.


Information about the CSFII is available online at http://www.barc.usda.gov/bhnrc/foodsurvey/home.htm.

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**Current Population Survey**

*Core survey and supplements.* The Current Population Survey (CPS) is a nationwide survey of about 50,000 households conducted monthly for the Bureau of Labor Statistics by the U.S. Census Bureau. At present, there are 754 CPS sampling areas in the United States, with coverage in every State and the District of Columbia.

The CPS core survey is the primary source of information on the employment characteristics of the noninstitutionalized civilian population, ages 15 and older, including estimates of unemployment released every month by the Bureau of Labor Statistics.

In addition to the core survey, monthly CPS supplements provide additional demographic and social data. The March demographic supplement and the October school enrollment supplement provide information used to estimate the status and well-being of children. The March and October supplements have been administered every year since 1947. Every year, the October supplement to the CPS asks questions on school enrollment by grade and other school characteristics about each member of the household ages 3 and older. Data on the highest level of school completed or degree attained are derived from the March supplement to the CPS. The April food security supplement, introduced in 1995, is described in detail below.

In 1994, the CPS questionnaire was redesigned, and the computer-assisted personal interviewing method was implemented. In addition, the 1990 Census-based population controls, with adjustments for the estimated population undercount, were introduced. For more information regarding the CPS, its sampling structure, and estimation methodology, see U.S. Department of Labor, Bureau of Labor Statistics. (1997). Explanatory notes and estimates of error. *Employment and Earnings.* 44(1), 225-242. A more comprehensive description of the CPS that incorporates the revisions and methodological changes introduced in 1994 may be accessed at http://www.census.gov/prod/2000pubs/tp63.pdf.

**Food security supplement.** The food security supplement is a survey instrument developed through a long and rigorous process. The content of the supplement is based on material reported in prior research on hunger and food security. It was subjected to extensive testing by the U.S. Census Bureau. It reflects the consensus of nearly 100 experts at the 1994 Food Security and Measurement Conference convened jointly by the National Center for Health Statistics and the Food and Nutrition Service of the U.S. Department of Agriculture. The supplement was developed, tested, and refined further by the conferees, members of a Federal interagency working group, and survey methods specialists for the U.S. Census Bureau’s Center for Survey Methods Research. The survey contains a systematic set of questions validated as measures of severity of food insecurity on both a 12-month and a 30-day basis. Data presented in this report are 12-month data from the CPS food security supplements. The respondents completing the supplement included households at all income levels, both above and below the Federal poverty threshold. Special final supplement sample weights were computed to adjust for the demographic characteristics of supplement non-interviews.


Information about the CPS is available online at http://www.bls.census.gov/cps/cpsmain.htm.

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High School and Beyond
The High School and Beyond (HS&B) longitudinal survey was first administered in 1980 to a stratified, nationally representative sample of approximately 30,000 high school sophomores and 28,000 high school seniors from more than 1,000 high schools. Follow-up surveys were administered in 1982, 1984, 1986, and 1992. In-school waves (1980 and 1982) entailed the administration of a student questionnaire and a cognitive test battery. In the Base Year (1980), data were also collected from students’ parents and school principals, while the teachers of sampled students were asked to complete a checklist on students’ behavior and performance in class. As part of the First Follow-up, high school transcripts were collected for a probability subsample of nearly 18,500 members of the 1980 sophomore cohort. The sample design for the transcript study increased the representation of racial/ethnic minorities, private school students, dropouts, transfer students, early graduates, and students whose parents had previously completed a parent questionnaire. The mode of data collection for the out-of-school waves of the study was self-administered mail-back questionnaires in 1984 and 1986, and Computer Assisted Telephone Interviewing (CATI) in 1992. In addition, a postsecondary school transcript study was conducted of First and Second Follow-up senior cohort respondents and Third and Fourth Follow-up sophomore cohort respondents who reported attending postsecondary institutions in those waves of the study.

In this report, the analysis sample for the indicators that used HS&B high school transcript data consisted of all 1982 high school graduates with complete transcripts. Of the 15,941 students on the transcript file, 11,195 students were high school graduates with complete transcripts.

Information on the HS&B First Follow-up and the high school transcript study can be found in:

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Monitoring the Future
The Monitoring the Future (MTF) Study is a continuing series of surveys intended to assess the changing lifestyles, values, and preferences of American youth. Each year since 1975, high school seniors from a representative sample of public and private high schools have participated in this study. The 2001 survey is the eleventh to include comparable samples of eighth- and tenth-graders in addition to seniors. The study is conducted by the University of Michigan’s Institute for Social Research (ISR) under a grant from the National Institute on Drug Abuse. The survey design consists of a multi-stage random sample where the stages include selection of geographic areas, selection of one or more schools in each selected area, and selection of a sample of students within each school. Data are collected in the spring of each year using questionnaires administered in the classroom by representatives from ISR. The 2001 survey included 13,304 high school seniors from 134 schools, 14,286 tenth-graders from 137 schools, and 16,756 eighth-graders from 153 schools (a total of 44,346 students from 424 schools).

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National Assessment of Educational Progress
The National Assessment of Educational Progress (NAEP) is mandated by Congress to monitor continuously the knowledge, skills, and performance of the Nation’s children and youth. To measure long-term trends in educational performance, NAEP has periodically assessed students ages 9, 13, and 17 in reading, mathematics, and science since the early 1970s. To ensure accurate measurement of trends, items and procedures have remained the same in each assessment. A variation of matrix sampling is used so that the results from a large number of items can be generalized to an entire population. Nationally representative samples of approximately 15,000 students were assessed in each subject in 1999, the last year for which results were available as of this printing. An estimated 10 percent of the school population is classified as having a disability or limited English proficiency. Nearly half of these students have been included in assessments, although the percentages
vary by grade and subject being assessed. In its short-term assessments described below, NAEP is starting to offer accommodations to disabled and limited English proficient students to remove barriers to their participation.

NAEP also conducts assessments in various academic subjects to measure short-term trends for periods of approximately 10 years. Data from many of these assessments are available for participating States as well as the Nation as a whole.

Students in public and nonpublic schools are sampled. A charter school could be sampled, since such schools are within the universe of public schools, but home-schooled students are not included.

Information about NAEP is available online at http://nces.ed.gov/nationsreportcard.

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National Assessment of Educational Progress High School Transcript Studies

Conducted in association with NAEP, the High School Transcript Study (HSTS) provides coursetaking and demographic information for a nationally representative, stratified sample of high school seniors. Sample sizes have ranged from approximately 21,000 to 25,000 students in approximately 300 schools. The HSTS provides the Department of Education and other education policymakers with information regarding current course offerings and coursetaking patterns in the Nation’s secondary schools. In addition, it provides information on the relationship of student coursetaking patterns to achievement as measured by NAEP. Excluded students were those who did not graduate from high school, had not received a “regular” or “honors” diploma, or did not have complete transcript data. For all transcripts and samples, a course identification code number, based on the Classification of Secondary School Courses (CSSC), was assigned to each course taken by a student. Courses were further classified into subject (e.g., mathematics) and program (e.g., academic) areas using a 1998 revision of the CSSC (Bradby, D. and Hoachlander, E.G. (1999). 1998 Revision of the Secondary School Taxonomy. Washington, DC: National Center for Education Statistics).

More information about the NCVS is available online at http://www.ojp.usdoj.gov/bjs/cvict.htm#Programs.

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National Education Longitudinal Study of 1988

The National Education Longitudinal Study of 1988 (NELS:88) is a longitudinal study of the 8th-grade class of 1988 sponsored by the National Center for Education Statistics (NCES). The Base Year survey was administered to about 24,000 8th-graders in more than 1,000 schools with an 8th-grade class. The First, Second, Third, and Fourth Follow-up surveys revisited the same sample of students in 1990, 1992, 1994, and 2000 when most of the 1988 8th-graders were in 10th-grade, in 12th-grade, and then 2 and 6 years out of high school. For each in-school follow-up, the student sample was “freshened” to obtain a representative cross-sectional sample of 10th-graders (in 1990) and 12th-graders (in 1992). In-school waves entailed the administration of a student questionnaire and a battery of cognitive tests in the subject areas of mathematics, English, science, and social studies/ history. Students’ teachers, principals, and parents were also surveyed. In addition, as part of the Second Follow-up, high school transcripts were collected for (1) all students attending a subset of Second Follow-up schools selected for the transcript study; (2) all dropouts and dropouts attending alternative programs who had attended high school for a minimum of one term; (3) all early graduates; and (4) sample members with disabilities that prevented them from completing a questionnaire and cognitive test battery in the Base Year, First Follow-up, and Second Follow-up. Transcripts were coded using the Classification of Secondary School Courses updated for the 1990 National Assessment of Educational Progress, High School Transcript Study. Students were subsequently surveyed in the Third and Fourth Follow ups through Computer Assisted Telephone Interviewing (CATI).

In this report the analysis sample for indicators that used NELS:88 transcript data consisted of all 1992 high school students with complete transcripts. Of the 17,285 students on the transcript file, 13,506 students were high school graduates with complete transcripts.


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National Health Interview Survey

The National Health Interview Survey (NHIS) is a continuing nationwide sample survey of the noninstitutionalized civilian population in which data are collected during personal household interviews. Investigators also collect data about illnesses, injuries, impairments, chronic conditions, activity limitation caused by chronic conditions, utilization of health services, and other health topics. Each year the survey is reviewed and special topics are added or deleted. For most health topics, the survey collects data over an entire year.

The NHIS sample includes an oversample of black and Hispanic persons and is designed to allow the development of national estimates of health conditions, health service utilization, and health problems of the noninstitutionalized civilian population of the United States. The response rate for the ongoing part of the survey has been between 94 and 98 percent over the years. In 1997, the NHIS was redesigned; estimates beginning in 1997 are likely to vary slightly from those for previous years. Interviewers collected information for the basic questionnaire on 100,618 persons in 2000, including 28,495 children.

Descriptions of the survey design, the methods used in estimation, and the general qualifications of the data are presented in:


Information about the NHIS is available online at http://www.cdc.gov/nchs/nhis.htm.

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**National Household Education Survey**

The National Household Education Surveys Program (NHES), conducted by the National Center for Education Statistics (NCES), collects detailed information about education issues through a household-based survey using telephone interviews. The sample for the NHES is drawn from the noninstitutionalized civilian population in households having a telephone in the 50 States and the District of Columbia. In each survey, between 44,000 and 60,000 households are screened to identify persons eligible for one of the topics. Generally, each collection covers two topical surveys, and researchers conduct between 2,500 and 25,000 interviews for each survey. The data are weighted to permit nationally representative estimates of the population of interest. In addition, the NHES design samples minorities at a higher rate than nonminorities to increase the reliability of estimates for these groups.

The 1991 NHES included a survey on early childhood program participation. Investigators screened approximately 60,000 households to identify a sample of about 14,000 children, ages 3 to 8. They interviewed parents in order to collect information about these children’s educational activities and the role of the family in the children’s learning. In 1993, NCES fielded a school readiness survey in which parents of approximately 11,000 children age 3 through second grade were asked about their children’s experiences in early childhood programs, developmental level, school adjustment and related problems, early primary school experiences, general health and nutrition status, home activities, and family characteristics, including family stability and economic risk factors. In 1995, NCES also fielded an early childhood program participation survey, similar to that of 1991. It entailed screening approximately 44,000 households and interviewing 14,000 parents of children from birth through third grade. In 1996, NCES fielded a survey of parent and family involvement in education, interviewing nearly 21,000 parents of children from age 3 through 12th grade. About 8,000 youth in grades 6 through 12 were also interviewed about their community service and civic involvement. The 1999 NHES was designed to collect end-of-the-decade estimates of key indicators collected in previous NHES surveys and also collected data from children and their parents about plans for the child’s education after high school. Interviews were conducted with 24,000 parents of children ranging from newborns through 12th-graders, approximately 8,000 students in grades 6 through 12 in the youth interview, and nearly 7,000 adults.

Three surveys were fielded as part of the 2001 NHES. The Early Childhood Program Participation survey was similar in content to the 1995 collection and collected data about the education of 7,000 prekindergarten children ranging in age from birth to 6. The Before- and After-School Programs and Activities survey collected data about nonparental care arrangements and educational and noneducational activities in which children participate before- and after-school. Data were collected for approximately 10,000 kindergarten through 8th graders. The third survey fielded in 2001 was the Adult Education and Lifelong Learning survey, which gathered data about the formal and informal educational activities of 11,000 adults.

Information about the NHES is available online at http://nces.ed.gov/nhes.

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**National Immunization Survey**

The National Immunization Survey (NIS) is a continuing nationwide telephone sample survey of families with children ages 19 to 35 months. Estimates of vaccine-specific coverage are available for the Nation, the States, and 28 urban areas.

The NIS uses a two-stage sample design. First, a random-digit-dialing sample of telephone numbers is drawn. When households with age-eligible children (19-35 months) are contacted, the interviewer collects information on the vaccinations received by all age-eligible children. The interviewer also collects information on the vaccination providers. In the second phase, all vaccination providers are contacted.
Appendix B: Data Source Descriptions

by mail. Providers’ responses are combined with information obtained from the households to render estimates of vaccination coverage levels more accurately. Final estimates are adjusted for non-coverage of households without telephones.

Information about the NIS is available online at http://www.nisabt.org and on the NIS website at http://www.cdc.gov/NIP/coverage.

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National Vital Statistics System

Through the National Vital Statistics System, the National Center for Health Statistics (NCHS) collects and publishes data on births and deaths in the United States. NCHS obtains information on births and deaths from the registration offices of all States, New York City, and the District of Columbia.

Demographic information on birth certificates, such as race and ethnicity, is provided by the mother at the time of birth. Hospital records provide the base for information on prenatal care, while funeral directors and family members provide demographic information on death certificates. Medical certification of cause of death is provided by a physician, medical examiner, or coroner.

Information on Hispanic origin. The number of States gathering information on births to parents of Hispanic origin has increased gradually since 1980-81, when 22 States included this information on birth certificates. By 1993, the Hispanic origin of the mother was reported on birth certificates in all 50 States and the District of Columbia. Similarly, mortality data by Hispanic origin of decedent have become more complete over time. In 1997, there was complete reporting of deaths by Hispanic origin in all 50 states and the District of Columbia.

Preliminary data. NCHS continuously receives statistical records from the States’ vital registration systems, providing preliminary data. Investigators weight individual records of births and deaths to independent counts of vital events registered in each State and reported to NCHS. These independent counts, aggregated for a 12-month period, serve as control totals and are the basis for the individual unit record weights in the preliminary file. For selected variables, unknown or not-stated values are imputed. The percentage not stated is generally 1 percent or less (except for prenatal care, which was 2.9 percent in 1999).

Information about the National Vital Statistics System is available online at http://www.cdc.gov/nchs/nvss.htm.

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Population Projections
National population projections begin with recent population estimates by age, race, and Hispanic origin. These statistics are then projected forward to 2050, based on assumptions about fertility, mortality, and international migration. Low, middle, and high growth assumptions are made for each of these components. The current middle series assumptions are that:

- Fertility will see little change over time, with levels for each race/ethnic group converging to about 2.1 children per woman in the long run.
- Mortality will continue to improve, with life expectancy for each race/ethnic group converging to about 90 years by 2100.
- Net international migration will decline somewhat in the near term but increase after 2010, with a relatively larger portion from Asia and Africa and a relatively smaller portion from Latin America.


Information about population projections is available online at http://www.census.gov/population/www/projections/popproj.html.

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Survey of Income and Program Participation
Core survey and topical modules. Implemented by the U.S. Census Bureau since 1984, the Survey of Income and Program Participation (SIPP) is a continuous series of national longitudinal panels, with a sample size ranging from approximately 14,000 to 36,700 interviewed households. The duration of each panel ranges from 2½ years to 4 years, with household interviews every 4 months.

The SIPP collects detailed information on income, labor force participation, participation in government assistance programs, and general demographic characteristics to measure the effectiveness of existing government programs, to estimate future costs and coverage of government programs, and to provide statistics on the distribution of income in America. In addition, topical modules provide detailed information on a variety of subjects, including health insurance, child care, adult and child well-being, marital and fertility history, and education and training. The U.S. Census Bureau releases cross-sectional, topical modules and longitudinal reports and data files.
In 1996, the SIPP questionnaire was redesigned to include a new 4-year panel sample design and the computer-assisted personal interviewing method.

Information about the SIPP is available online at http://www.sipp.census.gov/sipp.

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Uniform Crime Reports

The Federal Bureau of Investigation’s (FBI’s) Uniform Crime Reports (UCR) Program, which began in 1929, collects information on the following crimes reported to law enforcement authorities: homicide, forcible rape, robbery, aggravated assault, burglary, larceny-theft, motor vehicle theft, and arson. Arrests are reported for 21 additional crime categories.

The UCR data are compiled from monthly law enforcement reports or individual crime incident records transmitted directly to the FBI or to centralized State agencies that then report to the FBI. In 1997, law enforcement agencies active in the UCR Program represented approximately 254 million U.S. inhabitants—94 percent of the total population. The UCR Program provides crime counts for the Nation as a whole, as well as for regions, States, counties, cities, and towns. This permits studies among neighboring jurisdictions and among those with similar populations and other common characteristics.

UCR findings for each calendar year are published in a preliminary release in the spring, followed by a detailed annual report, Crime in the United States, issued in the following calendar year. In addition to crime counts and trends, this report includes data on crimes cleared, persons arrested (age, gender, and race), law enforcement personnel (including the number of sworn officers killed or assaulted), and the characteristics of homicides (including age, gender, and race of victims and offenders, victim-offender relationships, weapons used, and circumstances surrounding the homicides). Other special reports are also available from the UCR Program.

Information about the UCR is available online at http://www.fbi.gov.

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