Federal Interagency Forum on Child and Family Statistics 1999

America's Children: Key National Indicators of Well-Being









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Federal Interagency Forum on Child and Family Statistics



he Federal Interagency Forum on Child and Family Statistics was founded in 1994. Executive Order No. 13045 formally established it in April 1997, to foster coordination and collaboration in the collection and reporting of Federal data on children and families. Members of the Forum as of Spring 1999 are listed below.

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Foreword

merica's Children: Key National Indicators of Well-Being, 1999 is the third report in an annual series prepared by the Federal Interagency Forum on Child and Family Statistics. A collaborative effort by 18 Federal agencies, the report is required by President Clinton's Executive Order No. 13045. As in past years, readers will find here an accessible compendium—drawn from the most recent, most reliable official statistics—to both the promises and the difficulties confronting our Nation's young people.

This report updates the information presented last year, maintaining comparability with previous volumes while incorporating several improvements: the racial/ethnic categories have been made more consistent across indicators; additional detail has been added to the population and family characteristic, Births to Unmarried Women; the Food Security indicator has been expanded to include a measure of the nutritional quality of children's diets; and Children Who Have Difficulty Performing Everyday Activities has been included as a new special feature. This relatively simple update in 1999 reflects a decision to concentrate the Forum's resources on consideration of a more substantial revision in 2000.

By regularly displaying what the Government knows and what it does not know, *America's Children* challenges Federal statistical agencies to do better. Forum agencies are meeting that challenge. They are undertaking an array of efforts to provide more comprehensive and consistent information on the condition and progress of the Nation's children. For example, in 1998 the Forum's Data Collection Committee published the report *Nurturing Fatherhood*, and Forum agencies continued to improve the collection of data on children's family structures and on the role of fathers in children's lives.

The Forum agencies should be congratulated for collaborating to address their common goals: developing a truly comprehensive set of indicators on the well-being of America's children, and ensuring that this information is readily accessible in both content and format. Their accomplishments reflect the dedication of the Forum agency staff members who coordinate data needs, evaluate strategies to make data presentations more consistent, and work together to produce important publications and provide these products on the Forum's website: http://childstats.gov. As we approach the new millennium, we invite you, the reader, to suggest ways we can enhance this annual portrait of the Nation's most valuable resource-its children. I applaud the Forum's collaborative efforts in producing this third annual report. I hope that our compendium will continue to be useful in your work.

Katherine K. Wallman

Chief Statistician Office of Management and Budget

Acknowledgments

his report reflects the commitment and involvement of the members of the Federal Interagency Forum on Child and Family Statistics. It was prepared by the Writing Subcommittee of the Reporting Committee of the Forum. This year, responsibility for chairing the committee was shared by Ken Bryson, Bureau of the Census; Katherine Heck, National Center for Health Statistics; David Johnson, Bureau of Labor Statistics; and Laura Lippman, National Center for Education Statistics. Other committee members included: Dawn Aldridge, Food and Nutrition Service; Barbara Allen-Hagen, Office of Juvenile Justice and Delinquency Prevention; and Kathleen Etz, National Institute on Drug Abuse.

The Reporting Committee of the Forum, chaired by Laura Lippman, guided the development of the new indicators, and the Disability Subcommittee developed this year's special feature. Members of the Reporting Committee not represented on the Writing Committee included: Robert Kominski, Bureau of the Census; Linda Gordon, Immigration and Naturalization Service; Michele Kiely, Maternal and Child Health Bureau; John Kiely, Laura Montgomery, Gloria Simpson, and Barbara Foley Wilson, National Center for Health Statistics; Jeff Evans, National Institute on Child Health and Human Development; Matt Stagner, Office of the Assistant Secretary for Planning and Evaluation, Department of Health and Human Services: Woodie Kessel, Office of Disease Prevention & Health Promotion; Nancy Kirkendall, Office of Management and Budget; and Kathy Nelson, U.S. Department of Housing and Urban Development. Members of the Disability Subcommittee included: Don Lollar (Co-Chair), National Center for Environmental Health; Louis Quatrano (Co-Chair), National Center for Medical Rehabilitation Research; Jack McNeil, Bureau of the Census; Judith Holt, Early Childhood Team/Research and Practice Division; Gavin Kennedy, Office of the Assistant Secretary for Planning and Evaluation, Department of Health and Human Services; Arnold Goldstein, National Center for Education Statistics; Gloria Simpson, National Center for Health Statistics; and Robert Ficke, Westat.

Other staff members of the Forum agencies provided data, developed indicators, or wrote parts of the report. They include: Robert Bennefield, Caroline Carbaugh, Joseph Dalaker, Kirk Davis, Rick Denby, Stephen Heacock, Mary Naifeh, Colby Perkins, and Bernadette Proctor, Bureau of the Census; Michael Rand, Bureau of Justice Statistics; Robert McIntire and Howard Hayghe, Bureau of Labor Statistics; Monina Klevens, Centers for Disease Control and Prevention; Mark Lino and Peter Basiotis, Center for Nutrition Policy and Promotion; Gary Bickel, Food and Nutrition Service; Mary Frase, National Center for Education Statistics; Robin Cohen, Lois Fingerhut, Donna Hoyert, and Stephanie Ventura, National Center for Health Statistics.

Other individuals who assisted with the report included Steve Agbayani and Yupin Bae, Pinkerton Computer Consultants, Inc.

The Education Statistics Services Institute, in support of the National Center for Education Statistics, assisted the committee in producing the report. Alexandra Tan coordinated and managed the production of the report and contributed substantively to the report. Janelle Harvey, Erin Massie, Joanna Wertheimer and Mark White produced and updated the report's tables, figures and text, provided research support, and assisted the committee. Anne Taulane also provided research support.

The following additional staff members made valuable contributions in their reviews of the report: Helen Howerton, Administration for Children and Families; Denise Dougherty, Agency for Health Care Policy and Research; Larry Beasley and Martin O'Connell, Bureau of the Census; Deborah Klein, Bureau of Labor Statistics; Steven Carlson, Food and Nutrition Service; Martin Orland and Tom Snyder, National Center for Education Statistics; Jennifer Madans, National Center for Health Statistics; Bill Huleatt, Office of Family Policy, Department of Defense; and Richard Bavier, Office of Management and Budget.

Keith Tidman, American Institutes for Research, edited the final version of the report. Design contributions came from Jennifer Thompson of the Education Statistics Services Institute, who designed the cover and laid out the text. The logo was developed by John Jeter of the National Center for Health Statistics. Bob LeGrand, Office of Educational Research and Improvement, coordinated the printing of the report. Finally, the National Maternal and Child Health Clearinghouse distributed the report for the Forum.

Highlights

merica's Children: Key National Indicators of Well-Being, 1999 is the third annual report to the Nation on the condition of our most precious resource, our children. Included are six contextual measures that describe the changing population and family context in which children are living, and 23 indicators of well-being in the areas of economic security, health, behavior and social environment, and education. This year, a special feature is presented on Children Who Have Difficulty Performing Everyday Activities.

Part I: Population and Family Characteristics

- America's children continue to grow in racial and ethnic diversity. In 1998, 65 percent were white, non-Hispanic; 15 percent were black, non-Hispanic; 15 percent were Hispanic; 4 percent were Asian/Pacific Islander; and 1 percent were American Indian/Alaska Native. Hispanic children slightly outnumber black, non-Hispanic children.
- The percentage of children living with two parents declined from 77 percent in 1980 to 68 percent in 1996, and has remained stable since then. There are large differences across racial and ethnic groups, however. In 1998, 76 percent of white, non-Hispanic children lived with two parents, compared to 36 percent of black children and 64 percent of Hispanic children.
- The percentage of births that are to unmarried women stabilized since 1994 at about 32 percent, after rising sharply from 18 percent in 1980.

Part II: Indicators of Children's Well-Being

Economic Security Indicators

- The poverty rate of children was at 19 percent in 1997, about the same as it has been since 1980. The proportion of children living in families with high income increased from 17 percent in 1980 to 25 percent in 1997, while the proportion of children living in extreme poverty grew slightly from 7 to 8 percent over the same period. These shifts reflect a growing income disparity among children.
- The percentage of children living with their parents who had at least one parent working full time all year increased 5 percentage points to 76 percent from 1993 to 1997. A large share of this increase

was due to the increase in the percentage of children living with employed single mothers, which increased from 33 percent in 1993 to 41 percent in 1997.

- Most American children and adolescents had a diet that was poor or needed improvement in 1996. As children get older, the quality of their diet declines: 24 percent of 2- to 5-year-olds had a good diet, compared with only 6 percent of teenagers ages 13 to 18.
- Teenagers are also less likely than younger children to have a usual source of medical care. In 1996, 8 percent of all adolescents ages 12 to 17 lacked a usual source of care. Over 27 percent of uninsured adolescents in this age group lacked a usual source of care.

Health Indicators

- The percentage of infants born with low birthweight (weighing less than about 5 ¹/₂ pounds) continues to rise. In 1997, this percentage was the highest in over 20 years, at 7.5 percent. The increase in low birthweight is partly due to the rising number of twin and other multiple births.
- The percentage of children in families living in poverty who have received the combined series of vaccines has increased between 1996 and 1997, from 69 to 71 percent.
- While the mortality rate for almost all groups of children continues to fall, it has fallen most dramatically among black children ages 1 to 4, from 67.6 per 100,000 in 1996 to 59.2 in 1997, according to preliminary data. This rate, however, remains almost twice the rate for whites, at 31.5 per 100,000 according to 1997 preliminary data.
- Death rates among adolescents, particularly among black males, have dropped dramatically after rising rapidly during the early 1990s. In 1996, the adolescent firearm mortality rate was at the lowest point since 1989 for both blacks and whites. The rate among black males dropped from 120.3 per 100,000 in 1995 to 108.7 in 1996, and the rate among white males dropped from 27.9 per 100,000 in 1995 to 23.1 in 1996.
- The birth rate for teenagers ages 15 to 17 dropped from 1991 to 1997, after rising during the late 1980s. In 1997, the rate was 32.1 live births per 1,000 females ages 15 to 17, down from 38.7 in 1991.

Behavior and Social Environment Indicators

- The percentage of 10th- and 12th-grade students who reported smoking daily dropped in 1998 after generally increasing since 1992. Among 10thgraders, the percentage dropped from 18 percent in 1997 to 16 percent in 1998, and among 12thgraders it dropped from its recent high of 25 percent in 1997 to 22 percent in 1998. This rate is still high compared to previous years, however.
- Youth ages 12 to 17 were victims of serious violent crime at the rate of 27 crimes per 1,000 in 1997, down from 44 per 1,000 in 1993. Juveniles were identified as perpetrators of serious violent crimes at the rate of 31 crimes per 1,000 in 1997, down from 52 per 1,000 in 1993.

Education Indicators

- A higher percentage of children were enrolled in preschool in 1997 than in 1996—48 percent compared to 45 percent. Preschool enrollment particularly increased among black, non-Hispanic children, from 45 to 55 percent, and among children living in poverty, from 34 to 40 percent.
- In 1998, about 8 percent of the Nation's 16- to 19year-olds were neither enrolled in school nor working, a significant decrease from 9 percent in 1997.

Special Feature

About 12 percent of children ages 5 to 17 have difficulty performing one or more everyday activities, including learning, communication, mobility, and self-care. Difficulty with learning is the most common of these four types of limitations. Children in families with lower socioeconomic status are at greater risk than other children of having difficulty performing everyday activities.

Summary List of Indicators

Indicator Name	Description of Indicator	Previous Year of Data <i>Value (Year)</i>	New Data Value (Year)	Change Between Years
Economic Security				
Child poverty and family income	Percentage of related children under age 18 in poverty	20 (1996)	19 (1997)	NS
Secure parental employment	Percentage of children under age 18 living with parents with at least one parent employed full-time all year	75 (1996)	76 (1997)	NS
Housing problems	Percentage of households with children under age 18 that report any of three housing problems	36 (1995)	—	—
Food security	Percentage of children under age 18 in households experiencing food insecurity with moderate or severe hunger	6 (1996)	4 (1997)	•
	Percentage of children ages 2 to 5 with a good diet	27 (1995)	24 (1996)	NS
Access to health care	Percentage of children under age 18 covered by health insurance	85 (1996)	85 (1997)	NS
	Percentage of children under age 18 with no usual source of health care	6 (1995)	6 (1996)	NS
Health				
General health status	Percentage of children under age 18 in very good or excellent health	81 (1995)	81 (1996)	NS
Activity limitation	Percentage of children ages 5 to 17 with any limitation in activity resulting from chronic conditions	7 (1995)	8 (1996)	NS
Low birthweight	Percentage of infants weighing less than 5.5 pounds at birth	7.4 (1996)	7.5 (1997)	
Infant mortality	Deaths before the first birthday per 1,000 live births	7.3 (1996)	7.1 (1997)	▼
Childhood immunizations	Percentage of children ages 19 to 35 months who received combined series immunization coverage	77 (1996)	76 (1997)	NS
Child mortality	Deaths per 100,000 children ages 1 to 4	38 (1996)	36 (1997)	▼
	Deaths per 100,000 children ages 5 to 14	22 (1996)	21 (1997)	▼
Adolescent mortality	Deaths per 100,000 adolescents ages 15 to 19	84 (1995)	79 (1996)	▼
Adolescent births	Births per 1,000 females ages 15 to 17	34 (1996)	32 (1997)	▼
Behavioral and Social Environ	ment			
Regular cigarette smoking	Percentage of 8th-grade students who reported smoking daily in the previous 30 days	9 (1997)	9 (1998)	NS
	Percentage of 10th-grade students who reported smoking daily in the previous 30 days	18 (1997)	16 (1998)	▼
	Percentage of 12th-grade students who reported smoking daily in the previous 30 days	25 (1997)	22 (1998)	•

Legend: NS = No significant change \blacktriangle = Significant increase \blacktriangledown = Significant decrease — = not applicable

Indicator Name	Description of Indicator	Previous Year of Data <i>Value (Year)</i>	New Data Value (Year)	Change Between Years
Alcohol use	Percentage of 8th-grade students who reported having five or more alcoholic beverages in a row in the last 2 weeks	15 (1997)	14 (1998)	NS
	Percentage of 10th-grade students who reported having five or more alcoholic beverages in a row in the last 2 weeks	25 (1997)	24 (1998)	NS
	Percentage of 12th-grade students who reported having five or more alcoholic beverages in a row in the last 2 weeks	31 (1997)	32 (1998)	NS
Illicit drug use	Percentage of 8th-grade students who have used illicit drugs in the previous 30 days	13 (1997)	12 (1998)	NS
	Percentage of 10th-grade students who have used illicit drugs in the previous 30 days	23 (1997)	22 (1998)	NS
	Percentage of 12th-grade students who have used illicit drugs in the previous 30 days	26 (1997)	26 (1998)	NS
Youth victims and perpetrators of serious	Rate of serious violent crime victimizations per 1,000 youth ages 12 to 17	30 (1996)	27 (1997)	NS
violent crimes	Serious violent crime offending rate per 1,000 youth ages 12 to 17	36 (1996)	31 (1997)	▼
Education				
Family reading to young children	Percentage of children ages 3 to 5 who are read to every day by a family member	57 (1996)	—	—
Early childhood education	Percentage of children ages 3 to 4 who are enrolled in preschool	45 (1996)	48 (1997)	
Mathematics and reading achievement	Average mathematics scale score of 9-year-olds	231 (1996)	—	—
(0-500 scale)	Average mathematics scale score of 13-year-olds	274 (1996)		—
	Average mathematics scale score of 17-year-olds	307 (1996)	—	—
	Average reading scale score of 9-year-olds	212 (1996)	_	_
	Average reading scale score of 13-year-olds	259 (1996)	_	_
	Average reading scale score of 17-year-olds	287 (1996)	_	_
High school completion	Percentage of young adults ages 18 to 24 who have completed high school	86 (1996)	86 (1997)	NS
Youth neither enrolled in school nor working	Percentage of youth ages 16 to 19 who are neither in school nor working	9 (1997)	8 (1998)	▼
Higher education	Percentage of high school graduates ages 25 to 29 who have completed a bachelor's degree or higher	32 (1997)	31 (1998)	NS
Special Feature				
Difficulty performing everyday activities	Percentage of children ages 5 to 17 who have difficulty performing at least one of four everyday activities	—	12.3 (1994)	_
Legend: NS = No significan	t change \blacktriangle = Significant increase \triangledown = Signific	ant decrease	— = not app	olicable

America's Children: Key National Indicators of Well-Being, 1999

About This Report

merica's Children: Key National Indicators of Well-Being, 1999, developed by the Federal Interagency Forum on Child and Family Statistics, represents the third annual synthesis of information on the status of the Nation's most valuable resource, our children. This report presents 23 key indicators of the well-being of children. These indicators are monitored through official Federal statistics covering children's economic security, health, behavior and social environment, and education. The report also presents data on six key demographic measures and includes as a special feature the indicator, Children Who Have Difficulty Performing Everyday Activities. In this year's report, the 18 agencies of the Forum have introduced improvements in the measurement of several of the indicators presented last year, and have developed some new indicators.

What is the purpose of this report?

This report provides the Nation with a broad annual summary of national indicators of child well-being and monitors changes in these indicators over time. The Forum hopes that this report also will stimulate discussions by policy-makers and the public, exchanges between the data and policy communities, and improvements in Federal data on children and families.

What is the Federal Interagency Forum on Child and Family Statistics?

The Forum is a formal structure for collaboration among 18 Federal agencies that produce or use statistical data on children and families. The members of the Forum are listed on the back of the cover page. Building on earlier cooperative activities, the Forum was founded in 1994. It was formally established by Executive Order No. 13045 in 1997 to foster the coordination and integration of the collection and reporting of data on children and families. The two major publications produced by the Forum are *America's Children: Key National Indicators of Well-Being* (produced annually since 1997) and *Nurturing Fatherhood: Improving Data and Research on Male Fertility, Family Formation and Fatherhood.* In addition, the Forum undertakes the following activities:

- Developing priorities for improving consistency and enhancing the collection of data on children, youth, and families;
- Improving the reporting and dissemination of information on the status of children and families to the policy community and the general public; and

Encouraging the production and dissemination of better data on children and families at the State and local levels.

How is the report structured?

America's Children: Key National Indicators of Well-Being, 1999 is intended to present information and data on the well-being of children in a non-technical, userfriendly format. It is designed to complement other more technical or comprehensive reports produced by the Forum agencies. The report is divided into two parts.

The first part of the report, *Population and Family Characteristics*, presents data that illustrate the changes that have taken place during the past few decades in six key demographic measures. These background measures provide an important context for understanding the key indicators and the child population. They also provide basic information about children in the United States, as well as the sociodemographic changes that are occurring in the child population. These data series answer questions such as: How many children are there in the United States? What proportion of the population are children? How racially diverse are our children? How many have difficulty speaking English? What types of families do they live in?

The second part, *Indicators of Children's Well-Being*, contains data on key *indicators*, or measures, of how well we are doing in providing economic security, educational opportunity, and a healthy and safe environment for children to play, learn, and grow. Unlike the data presented in Part I of the report, which simply describe the changing context in which children live, the data series in Part II offer insight into how well children are faring by providing information in four key areas of child well-being: economic security, health, behavior and social environment, and education.

The economic security indicators document poverty and income among children and the accessibility of basic necessities such as food, housing, and health care. The health indicators document the physical health and well-being of children by presenting information on their general health status, immunization coverage, and their likelihood, at various ages, to die. The behavioral and social environment indicators take a look at how many of our youth are engaging in illegal, dangerous, or high-risk behaviors such as smoking, drinking alcohol, using illicit drugs, or engaging in serious violent crimes. Finally, the education indicators examine how well we are succeeding in educating our children. They include measures that capture preschoolers' exposure to reading and early education, measures of student achievement, and indicators of how many young adults complete high school and college.

For each background measure in *Part I: Population and Family Characteristics*, and each indicator in *Part II: Indicators of Children's Well-Being*, three types of information are presented:

- A *short statement* about why the measure or indicator is important to the understanding of the condition of children;
- Figures showing important facts about trends or population groups; and
- *Highlights* with information on the current status, recent trends, and important differences by population groups noted.

In addition, *Appendix A: Detailed Tables* contains tabulated data for each measure and additional detail not discussed in the main body of the report. *Appendix B: Data Source Descriptions* contains descriptions of the sources and surveys used to generate the indicators.

Why is one indicator called a special feature?

At the end of Part II, *America's Children: Key National Indicators of Well-Being, 1999* presents data on a "special feature." The special feature presents data that are not available with sufficient frequency to be considered as a regular key indicator, but nevertheless provide information on an important measure of child wellbeing. This year's special feature is Children Who Have Difficulty Performing Everyday Activities.

How has the report changed since last year?

America's Children: Key National Indicators of Well-Being, 1999 is similar to last year's report in both format and content. While most of the indicators presented last year are included and updated, the Forum has worked to improve the report in a number of important ways. Some changes reflect the effort to make racial categories more consistent. Some of the changes reflect improvements in the availability of data for certain key indicators. Some changes clarify the concept being measured or expand the indicator substantively. All the changes reflect the many helpful comments and suggestions for improvements that were received from readers and users of the previous reports.

How were the key indicators selected?

America's Children: Key National Indicators of Well-Being, 1999 presents a selected set of key indicators that measure critical aspects of children's lives and are collected rigorously and regularly by Federal agencies. The Forum chose these indicators through careful examination of available data. In determining this list of key indicators, the Forum sought input from the Federal policy-making community, foundations, academic researchers, and state and local children's service providers. These indicators were chosen because they are:

- *Easy to understand* by broad audiences;
- Objectively based on substantial research connecting them to child well-being and based on reliable data;
- Balanced so that no single area of children's lives dominates the report;
- Measured regularly so that they can be updated and show trends over time; and
- Representative of large segments of the population, rather than one particular group.

What groups of children are included in this report?

In order to convey a comprehensive understanding of child well-being, the report looks at the status of all children under age 18 living in the United States. In most cases throughout the report, the word "children" refers to any person under age 18 living in a civilian or non-institutionalized setting in the United States. When data are being presented only for specific age groups, this is indicated in the text (e.g., children ages 1-4). As is also noted in the text, some indicators examine only particular groups of children (e.g., children living in family settings, children living with parents, children in certain age groups or grade levels). For most of the indicators, the relevant information has been reported by an adult in the household or family and not directly by the children.

In many cases we have also presented the data on children by race and Hispanic origin. In most cases, Hispanics have been separated out from the white and black categories and "non-Hispanic" will follow the race designation, as in "white, non-Hispanic." In cases where data are not available on Hispanic origin, estimates presented for particular races (white, black, American Indian/Alaska Native, Asian/Pacific Islander) include Hispanics of those races even when a separate estimate is given for Hispanics.

What are the sources for the data in this report?

Data for the key indicators are drawn primarily from national surveys and from vital records. Federal agencies regularly survey the population on many issues. These national surveys use interviewers to gather information on children through a variety of methods including speaking directly, by telephone or in person, with families selected through rigorous sampling methods. Federal agencies also collect information on births and deaths from State health departments. These nationally representative surveys, along with data collected through vital statistics, provide the best available measures of the condition of children. Although there are important areas of children's lives where administrative data from local social service agencies often are available, such measures were not included in this report. The availability and quality of such data can be affected by policy differences among agencies in various local areas and by resource constraints.

In the textual presentation of data for this report, percents and rates were, as a rule, rounded to the nearest whole number (unless the data are from vital statistics or rounding would mask significant differences). The text discusses cross-time or betweengroup differences when the differences are statistically significant.

What other data are needed?

America's Children: Key National Indicators of Well-Being, 1999 points to critical gaps in the coverage and timeliness of the Nation's information on children and youth. It challenges the Nation as a whole—and the Federal statistical agencies in particular—to improve the monitoring of important areas of children's lives. It also challenges Federal agencies to improve the timeliness with which information on children is made available to policy-makers and the public.

At the end of *Part I: Population and Family Characteristics* and at the end of each section in *Part II: Indicators of Children's Well-Being*, the report presents a description of data and measures of child well-being in need of development. These lists include many important aspects of children's lives for which regular indicators are lacking or are in development, such as children's living arrangements, homelessness, long-term poverty, mental health, disability, neighborhood environment, and early childhood development. In some of these areas, the Forum is exploring ways to collect new measures and improve existing ones. In others, Forum agencies have successfully fielded surveys incorporating some new measures but they are not yet available on a regular basis for monitoring purposes.

Where can I get more information about the indicators?

There are several good places to obtain additional information on each of the indicators found in this report. First, for many of the indicators, Appendix A: Detailed Tables contains additional detail not discussed in the main body of the report. For example, some tables show additional breakouts by gender, race, and Hispanic origin or another category. Second, Appendix B: Data Source Descriptions contains information and descriptions of the sources and surveys used to generate the indicators as well as information on how to contact the agency responsible for collecting the data or administering the relevant survey. Third, numerous publications of the Federal statistical agencies provide additional detail on each of the key indicators included in this report, as well as on scores of other indicators. These reports include Trends in the Well-Being of America's Children and Youth, published annually by the Office of the Assistant Secretary for Planning and Evaluation in the U.S. Department of Health and Human Services (HHS), Youth Indicators, published biennially by the National Center for Education Statistics, and Health, United States, published annually by the National Center for Health Statistics, Centers for Disease Control and Prevention. Often these compendia contain additional details not reported in America's Children. Appendix B: Data Source Descriptions also contains a list of agency contacts who can provide further information on the relevant surveys and indicators.

Can I find this report on the Internet?

The report can be found on the World Wide Web at **http://childstats.gov**. The web site version of the report contains data for years before 1990 that are presented in the figures but not in the tables in this report. The Forum's web site also contains information on the overall structure and organization of the Forum, as well as other reports, and news on current activities. Also found on the web site are links to related reports of Forum agencies and other organizations providing more detailed data. The web site addresses of the Forum agencies are as follows:

Department of Agriculture Food and Nutrition Service: http://www.fns.usda.gov Department of Commerce Bureau of the Census: http://www.census.gov

Department of Defense
Office of Deputy Assistant Secretary of Defense
(Personnel Support, Families and Education):
http://dticaw.dtic.mil/prhome/das_psfe.html
Department of Education
National Center for Education Statistics:
http://www.nces.ed.gov
Department of Health and Human Services
Administration for Children and Families:
http://www.acf.dhhs.gov
Agency for Health Care Policy and Research:
http://www.ahcpr.gov
Maternal and Child Health Bureau:
http://www.mchb.hrsa.gov
National Center for Health Statistics:
http://www.cdc.gov/nchswww
National Institute of Child Health and Human
Development:
http://www.nih.gov/nichd
Office of the Assistant Secretary for Planning and
Evaluation:
http://aspe.os.dhhs.gov
Department of Housing and Urban Development
Office of Policy Development and Research:
http://www.huduser.org

Department of Justice Bureau of Justice Statistics: http://www.ojp.usdoj.gov/bjs National Institute of Justice: http://www.ojp.usdoj.gov/nij Office of Juvenile Justice and **Delinquency Prevention:** http://www.ojjdp.ncjrs.org **Department of Labor Bureau of Labor Statistics:** http://www.bls.gov Women's Bureau: http://www.dol.gov/dol/wb **National Science Foundation** Science Resources Studies Division: http://www.nsf.gov/sbe/srs Office of Management and Budget Statistical Policy Office: http://www.whitehouse.gov/WH/EOP/OMB/ html/ombhome.html

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Population and Family Characteristics

P art I: Population and Family Characteristics presents data that illustrate the changes in the population and family context in which America's children are being raised. Six key demographic measures present data on trends in the size and composition of the child population and trends in the composition of their families. The background measures provide an important context for understanding the key indicators of well-being presented in Part II.

Number of Children in the United States

he number of children determines the demand for schools, health care, and other services and facilities that serve children and their families.



- In 1998, there were 69.9 million children in the United States, 0.3 million more than in 1997. This number is projected to increase to 77.6 million in 2020.
- The number of children under 18 has grown during the last half-century, increasing about half again in size since 1950.
- During the "baby boom" (1946 to 1964), the number of children grew rapidly.
- During the 1970s and 1980s, the number of children declined and then grew slowly.

- Beginning in 1990, the rate of growth in the number of children increased, although not as rapidly as during the baby boom.
- In 1998, there were approximately equal numbers of children—between 23 and 24 million—in each age group 0-5, 6-11, and 12-17 years of age.

Bullets contain references to data that can be found in Table POP1 on page 68.

Children as a Proportion of the Population

hough children represent a smaller percentage of the population today than in 1960, they are nevertheless a stable and substantial portion of the population and will remain so into the next century.



- In 1998, children made up 26 percent of the population, down from a peak of 36 percent at the end of the "baby boom."
- Since the mid-1960s, children have been decreasing as a proportion of the total U.S. population.
- Children are projected to remain a fairly stable percentage of the total population. They are projected to comprise 24 percent of the population in 2020.
- In contrast, senior citizens (adults ages 65 and older) have increased as a percentage of the total population since 1950, from 8 to 13 percent. By

2020, they are projected to make up 16 percent of the population.

Together, children and senior citizens make up the "dependent population:" those persons who, because of their age, are less likely to be employed than others. In 1950, children made up 79 percent of the dependent population; by 1998, they made up 67 percent. That percentage is expected to continue to decrease, to 59 percent in 2020.

Bullets contain references to data that can be found in Table POP2 on page 68.

Racial and Ethnic Composition

R acial and ethnic diversity has grown dramatically in the United States in the last three decades. This increased diversity first manifests itself among children, and later in the older population. This diversity is projected to increase even more in the decades to come.



- In 1998, 65 percent of U.S. children were white, non-Hispanic; 15 percent were black, non-Hispanic; 15 percent were Hispanic; 4 percent were Asian/Pacific Islander; and 1 percent were American Indian/Alaska Native.
- The percentage of children who are white, non-Hispanic has decreased from 74 percent in 1980 to 65 percent in 1998.
- Hispanic children outnumbered black, non-Hispanic children for the first time in 1998.
- The percentages of black, non-Hispanic and American Indian/Alaska Native children have been fairly stable during the period from 1980 to 1998.
- The number of Hispanic children has increased faster than that of any other racial and ethnic group, growing from 9 percent of the child

population in 1980 to 15 percent in 1998. By 2020, it is projected that more than 1 in 5 children in the United States will be of Hispanic origin.

- The percentage of Asian/Pacific Islander children doubled from 2 to 4 percent of all U.S. children between 1980 and 1998. Their percentage is projected to continue to increase to 6 percent in 2020.
- Increases in the percentages of Hispanic and of Asian/Pacific Islander children are due to both fertility and immigration. Much of the growth in the percentage of Hispanic children is due to the relatively high fertility of Hispanic women.

Bullets contain references to data that can be found in Table POP3 on page 69.

Difficulty Speaking English

C hildren who speak languages other than English at home and who also have difficulty speaking English¹ may face greater challenges progressing in school and, once they become adults, in the labor market. They may need special instruction to improve their English. Typically, once it is determined that a student speaks another language, school officials evaluate the child's English ability to determine whether the student needs services. Reported English speaking ability serves as an approximation of these evaluation measures.



SOURCE: U.S. Bureau of the Census, October 1995 Current Population Survey. Tabulated by U.S. Department of Education, National Center for Education Statistics.

- The number of school-age children (ages 5 to 17) who spoke a language other than English at home and who had difficulty speaking English was 2.4 million in 1995, up from 1.3 million in 1979. This is 5 percent of all school-age children in the U.S.
- The percentage of children who speak English with difficulty varies by region of the country, from 2 percent of children in the Midwest to 11 percent of children in the West.
- Likewise, the percentage of children who speak another language at home (with or without difficulty speaking English) varies by region of the country, from 6 percent of children in the Midwest to 26 percent of children in the West. This

difference is due to differing concentrations of immigrants and their descendents in the regions.

Children of Hispanic or other (mostly Asian) origin are more likely than non-Hispanic white or black children to have difficulty speaking English, since they are more likely to speak another language at home. Thirty-one percent of children of Hispanic origin and 14 percent of children of Asian or other origin had difficulty speaking English in 1995, compared with 1 percent of white, non-Hispanic or black, non-Hispanic children.

Bullets contain references to data that can be found in Table POP4 on page 70. Endnotes begin on page 59.

Family Structure

Figure POP5

The number of parents living with a child is generally linked to the amount and quality of human and economic resources available to that child. Children who live in a household with one parent are substantially more likely to have family incomes below the poverty line than are children who grow up in a household with two parents.





- In 1998, 68 percent of American children lived with two parents, down from 77 percent in 1980.
- In 1998, almost a quarter (23 percent) of children lived with only their mothers, 4 percent lived with only their fathers, and 4 percent lived with neither of their parents.²
- Since 1996, the percentage of children living with only one parent has not changed significantly.
- Among the factors associated with change in the percentage of children living with just one parent is the percentage of births that were to unmarried mothers.³
- White, non-Hispanic children are much more likely than black children and somewhat more likely than Hispanic children to live with two parents. In 1998, 76 percent of white, non-Hispanic children lived with two parents, compared to 36 percent of black children and 64 percent of children of Hispanic origin.

Bullets contain references to data that can be found in Table POP5 on page 71. Endnotes begin on page 59.

Births to Unmarried Women

Increases in births to unmarried women are among the many changes in American society that have affected family structure and the economic security of children. Children of unmarried mothers are at higher risk of having adverse birth outcomes, such as low birthweight and infant mortality, and are more likely to live in poverty than children of married mothers.^{4, 5}





SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System.

- There were 44 births for every 1,000 unmarried women ages 15 to 44 in 1997.⁶
- Between 1980 and 1994, the birth rate for unmarried women ages 15 to 44 increased from 29 to 47 per thousand. The rate has since stabilized and declined; between 1994 and 1997, the rate fell slightly to 44 per thousand.^{7, 8}
- During the 1980-94 period, birth rates increased sharply for unmarried women in all age groups. The birth rate for unmarried women ages 15 to 17 increased from 21 to 32 per thousand and the rate for unmarried women ages 18 to 19 rose from 39 to 70 per 1,000. The birth rate for unmarried women ages 20 to 24 increased from 41 to 72 per thousand. Between 1994 and 1997, rates by age declined for all women under age 20 and stabilized for women 20 and older.⁹
- The long-term rise between 1960 and 1994 in the nonmarital birth rate is linked to an increase in the proportion of women of childbearing age who are unmarried (from 29 percent in 1960 to 46 percent in 1994), concurrent with an increase in nonmarital cohabitation. About 20-25 percent of unmarried women ages 25-44 years were in cohabiting relationships in 1992-94.¹⁰ At the same time, childbearing within marriage declined: births to married women declined from 4 million in 1960 to 2.7 million in 1994 and the birth rate for married women fell from 157 per thousand in 1960 to 84 per thousand in 1994.¹¹ All of these measures have stabilized in the mid-1990s, as the nonmarital birth rate has declined slightly.

hildren are at greater risk for adverse consequences when born into a single-parent setting because the social, emotional, and financial resources available to the family may be more limited.¹² The proportion of births to unmarried women is useful for understanding the extent to which children born in a given year may be affected by any disadvantage—social, financial, or health— associated with being born outside of marriage. This measure is also useful in monitoring trends and variations in births to unmarried women at the state and local level.¹³ The percent of births to unmarried women is affected by several factors including birth rates for married and unmarried women and the number of unmarried women. Significant changes have occurred in all these measures between 1980 and 1997. ^{14, 15, 16, 17}



SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System.

- In 1997, 32 percent of all births were to unmarried women.¹⁸
- The percentage of all births to unmarried women rose sharply from 18 percent in 1980 to 33 percent in 1994. From 1994 to 1997, the proportion was relatively stable at about 32 percent.^{19, 20}
- During the 1980-97 period, the proportions of births to unmarried women rose sharply for women in all age groups. Among teenagers, the proportions were high throughout the period and continued to rise, from 62 to 87 percent for ages 15-17 and from 40 to 73 percent for ages 18-19. The proportions more than doubled for births to women in their twenties, rising from 19 to 47

percent for ages 20-24 and from 9 to 22 percent for ages 25-29. The proportion of births to women ages 30 and older increased from 8 to 14 percent.^{21,22}

The increases in the proportions of births to unmarried women, especially during the 1980s, are linked to sharp increases in the birth rates for unmarried women during this period, concurrent with declines in birth rates for married women. In addition, the number of unmarried women increased by about one-fourth.²³

Bullets contain references to data that can be found in Tables POP6.A and POP6.B on page 72. Endnotes begin on page 59.

Data Needed

Population and Family Characteristics

Current data collection systems do not provide enough background information on children's lives, their families and their caregivers. Certain topical databases provide some of this information, but it needs to be collected across domains of child well-being and to be collected regularly enough to discern trends in where, how, and with whom children spend their time. This year's report expands upon last year's by augmenting the background measure on Births to Unmarried Women with information on the percentage of births that are to unmarried women. Beginning with next year's report, data will be presented on the number of children in child care. More data are also needed on:

- *Children's living arrangements.* Understanding the family structures in which children live and the relationships of these structures to child well-being is basic, yet there are no regular data that describe children's living arrangements. Regularly collected data are needed on how many children live with biological parents, step-parents, adoptive parents, or with no parent or guardian, etc. Information is also needed about children's interactions with non-resident parents, particularly fathers, and about the establishment of paternity.
- *Time use.* A regular source of data is needed to track how and where children spend their time, and how these patterns change over time. For example, data

on how much time children spend interacting with one or both parents, in school, in day-care, in afterschool activities, or at work per week would provide valuable insights. Currently, Federal surveys collect information on the amount of time children spend on certain activities, such as watching TV, but no regular Federal data source exists that examines time spent on the whole spectrum of children's activities. The inclusion of additional questions on time use by children and adults is currently being investigated by several member agencies of the Federal Interagency Forum on Child and Family Statistics.

Indicators of Children's Well-Being

Economic Security Indicators

P art II: Indicators of Children's Well-Being contains data on key indicators that measure the health, security, and safety of the environment in which children play, learn, and grow. Unlike the data presented in Part I of the report, which simply describe the changing context in which children live, the data series in Part II offer insight into the condition of American children by providing information in four key areas of child wellbeing: economic security, health, behavior and social environment, and education.

Child Poverty and Family Income

C hildhood poverty has both immediate and lasting negative effects. Children in low-income families fare less well than children in more affluent families for many of the indicators presented in this report, including indicators in the areas of economic security, health, and education. Children living in families who are poor are more likely than children living in other families to have difficulty in school,²⁴ to become teen parents,²⁵ and, as adults, to earn less and be unemployed more frequently.²⁶ The child poverty rate provides important information about the percentage of U.S. children whose current life circumstances are hard and whose futures are potentially limited as a result of their family's low income.



NOTE: Estimates refer to children who are related to the householder and who are under age 18. In 1997, a family of four with an annual income below \$16,400 was below the Federal poverty line. SOURCE: U.S. Bureau of the Census, March Current Population Survey.

- In 1997, 19 percent of American children lived in families with cash incomes below the poverty line.
 The percentage of children in poverty has stayed
- near or slightly above 20 percent since 1981.²⁷
- Children under age 6 are more often found in families with incomes below the poverty line than children ages 6 to 17. In 1997, 22 percent of children under age 6 lived in poverty, compared to 18 percent of older children.
- Children in married-couple families are much less likely to be living in poverty than children living only with their mothers. In 1997, 10 percent of children in married-couple families were living in poverty, compared to 49 percent in femalehouseholder families.
- This contrast by family structure is especially pronounced among certain racial and ethnic groups. For example, in 1997, 13 percent of black children in married-couple families lived in poverty, compared to 55 percent of black children in female-householder families. Twenty-six percent of

Hispanic children in married-couple families lived in poverty, compared to 63 percent in femalehouseholder families.

- Most children in poverty are white, non-Hispanic. However, the proportion of black or Hispanic children in poverty is much higher than the proportion for white, non-Hispanic children. In 1997, 11 percent of white, non-Hispanic children lived in poverty, compared to 37 percent of black children and 36 percent of Hispanic children.
- In 1997, 8 percent of all children lived in families with incomes less than half the poverty level, or \$8,200 a year for a family of four, while 30 percent of children lived in families with incomes less than 150 percent of the poverty level, or \$24,600 a year for a family of four.
- Children under 18 continue to represent a very large segment of the poor population (40 percent) even though they are only about one-fourth of the total population.

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The full distribution of the income of children's families is important, not just the percentage in poverty. Knowing that more and more children live in affluent families tells us that a growing proportion of America's children enjoy economic well-being. The growing gap between rich and poor children suggests that poor children may experience more relative deprivation even if the percentage of poor children is holding steady.



NOTE: Estimates refer to children who are related to the householder and who are under age 18. The income classes are derived from the ratio of the family's income to the family's poverty threshold. Extreme poverty is less than 50 percent of the poverty threshold (i.e., \$8,200 for a family of four in 1997). Poverty is between 50 and 99 percent of the poverty threshold (i.e., between \$8,200 and \$16,399 for a family of four in 1997). Low income is between 100 and 199 percent of the poverty threshold (i.e., between \$16,400 and \$32,799 for a family of four in 1997). Medium income is between 200 and 399 percent of the poverty threshold (i.e., between \$16,400 and \$32,800 and \$65,599 for a family of four in 1997). High income is 400 percent of the poverty threshold or more.²⁸ SOURCE: U.S. Bureau of the Census, March Current Population Survey.

- In 1997, children living in families with medium income made up the largest share of children by income group (34 percent). There were similar percentages of children living in families with low income and with high income, 21 and 25 percent, respectively.
- Since 1980, the percentage of children living in families with medium income has fallen from 41 percent to 34 percent in 1997, while the percentage of children living in families with high income and

the percentage of children in extreme poverty have risen, from 17 to 25 percent and from 7 to 8 percent, respectively. The data indicate that there has been an increase in income disparities among families with children.

Bullets contain references to data that can be found in Tables ECON1.A and ECON1.B on pages 73 and 74. Endnotes begin on page 59.

Secure Parental Employment

Secure parental employment reduces the incidence of poverty and its attendant risks to children. Since most parents obtain health insurance for themselves and their children through their employers, a secure job can also be a key variable in determining whether children have access to health care. Secure parental employment may also enhance children's psychological well-being and improve family functioning by reducing stress and other negative effects that unemployment and underemployment can have on parents.²⁹ One measure of secure parental employment is the percentage of children living with their parents for whom one or both parents were employed full time during a given year.



- In 1997, 76 percent of all children living with their parents had at least one parent who worked full time all year.
- Since 1980, the trend in secure parental employment has paralleled the overall trend in employment, increasing between 1982 and 1989, falling during the early 1990s, and steadily increasing since 1993.
- A disproportionate share of the increase in the percentage of children living with at least one parent employed full time all year was due to the increase in the percentage of children living with single mothers who are employed, which increased from 33 percent in 1993 to 41 percent in 1997.
- In 1997, 88 percent of children living in two-parent families had at least one parent who was a full-time year-round worker. In contrast, 70 percent of children living with a single father and 41 percent of children living with a single mother had a parent who worked full time all year.
- Black, non-Hispanic children and Hispanic children are less likely than white, non-Hispanic children to have a parent working full time all year.

In 1997, 58 percent of black, non-Hispanic children and 67 percent of Hispanic children had a parent working full time all year, compared to 82 percent of white, non-Hispanic children.

- Children living in poverty are much less likely to have a parent working full time all year than children living at or above the poverty line, 26 percent and 88 percent, respectively. For children living with both parents, 48 percent of poor children had at least one parent working full time all year compared to 92 percent of children living above poverty. For children living with single mothers the differences are much larger. Thirteen percent of those below the poverty line and 66 percent of those above it had a parent working full time all year.
- Between 1980 and 1997, the percent of children living in two-parent families in which both the mother and father worked full-time all year increased from 17 to 31 percent.

Bullets contain references to data that can be found in Table ECON2 on page 75. Endnotes begin on page 59.

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Housing Problems

I nadequate, crowded, or costly housing can pose serious problems to children's physical, psychological, or material well-being.³⁰ The percentage of households with children who report that they are living in physically inadequate,³¹ crowded, and/or costly housing provides an estimate of the percentage of children whose well-being may be affected by their family's housing.



NOTE: Data are available for 1978, 1983, 1989, 1993, and 1995. SOURCE: U.S. Bureau of the Census and the Department of Housing and Urban Development, Annual Housing Survey and American Housing Survey. Tabulated by U.S. Department of Housing and Urban Development.

- In 1995, 36 percent of U.S. households with children, both owners and renters, had one or more of three housing problems: physically inadequate housing, crowded housing, or housing that cost more than 30 percent of household income.³²
- The share of U.S. households with children who have any housing problems has been rising since 1978, increasing from 30 percent to 36 percent in 1995.
- Inadequate housing, defined as housing with severe or moderate physical problems, has become slightly less common. In 1995, 7 percent of households with children had inadequate housing, compared to 9 percent in 1978.
- Crowded housing, defined as housing in which there is more than one person per room, has also declined slightly among households with children, from 9 percent in 1978 to 7 percent in 1995.
- Improvements in housing conditions, however, have been accompanied by rising housing costs. Between 1978 and 1995, the percentage of households with children with a cost burden, that is, paying more than 30 percent of their income for

housing, rose from 15 percent to 28 percent. The percentage with severe cost burdens, paying more than half of income for housing, rose from 6 to 12 percent.

- In 1995, 12 percent of households with children had severe housing problems, defined as either severe housing cost burdens or severe physical housing problems among those not receiving rental assistance.³³ This increase from 8 percent in 1978 reflects a rise in the percentage of families reporting severe rent burdens.
- Severe housing problems are especially prevalent among very-low-income renters.³⁴ In 1995, 32 percent of very-low-income renter households with children reported severe housing problems, with severe rent burden again the major problem. Although this percentage does not differ significantly from 1978, the number of these households has grown sharply, from 1.4 million in 1978 to 2.1 million in 1995, and the proportion with severe rent burdens has increased.

Bullets contain references to data that can be found in Table ECON3 on page 77. Endnotes begin on page 59.

Food Security

hildren's good health and development depend on a diet sufficient in nutrients and calories. Food security has been defined as access at all times to enough nourishment for an active, healthy life. At a minimum, food security includes the ready availability of sufficient, nutritionally adequate and safe food, and the assurance that families can obtain adequate food without relying on emergency feeding programs or resorting to scavenging, stealing, or other desperate efforts to secure food.³⁵ A family's ability to provide for children's nutritional needs is linked to income or other resources and secure access to adequate, nutritious food. Members of food-insecure households are at risk of hunger. The following indicator measures food insecurity on a scale that indicates increasing levels of severity of food insecurity and accompanying hunger. Food-insecure households without hunger report having difficulty obtaining enough food, reduced quality of diets, anxiety about their food supply, and increased resort to emergency food sources and other coping behaviors, but do not report hunger to a significant degree. However, food-insecure households with moderate and severe hunger report increasing difficulty obtaining food and decreased food intakes.



NOTE: See Table ECON4.A for details on the food security scale. SOURCE: U.S. Bureau of the Census, Food Security Supplement to the Current Population Survey; U.S. Department of Agriculture, Food and Nutrition Service, Office of Analysis and Evaluation.

- In 1997, 4.2 percent of children lived in households experiencing food insecurity with moderate or severe hunger. Three and a half percent experienced food insecurity with moderate hunger and 0.7 percent experienced severe hunger.
- Children living in households below poverty are much more likely than other children to live in households experiencing food insecurity with moderate to severe hunger. In 1997, 11.1 percent of children in households with incomes below the Federal poverty level experienced food insecurity with moderate to severe hunger, compared to 2.1 percent of children in households with income above the poverty level.
- Most food-insecure households do not report actual hunger for household members. In 1997, 11.3 percent of all children and 26.8 percent of poor children lived in households experiencing food insecurity without hunger.
- The number of children who actually experience hunger themselves, even though they may live in a food-insecure household where one or more family members experience hunger, is believed to be significantly smaller than the total number of children living in such households. This is because in most such households the adults go without food, if necessary, so that the children will have food.

The diet quality of children and adolescents is of concern because poor eating patterns established in childhood usually transfer to adulthood. Such patterns are major factors in the increasing rate of child obesity over the past decades and are contributing factors to certain diseases. The Healthy Eating Index (HEI) is a summary measure of diet quality. The HEI consists of 10 components, each representing different aspects of a healthful diet. Components 1 to 5 measure the degree to which a person's diet conforms to the U.S. Department of Agriculture's Food Guide Pyramid serving recommendations for the five major food groups: grains, vegetables, fruits, milk, and meat/meat alternatives. Components 6 and 7 measure fat and saturated fat consumption. Components 8 and 9 measure cholesterol intake and sodium intake. And component 10 measures the degree of variety in a person's diet. Scores for each component are given equal weight and added to calculate an overall HEI score. This overall HEI score is then used to determine diet quality based on a scale established by nutrition experts.³⁶



NOTE: The maximum combined score for the 10 components is 100. An HEI score above 80 implies a good diet, an HEI score between 51 and 80 implies a diet that needs improvement, and an HEI score less than 51 implies a poor diet. SOURCE: U.S. Department of Agriculture, Center for Nutrition Policy and Promotion, Continuing Survey of Food Intakes by Individuals.

- In 1996, most children and adolescents had a diet that was poor or needed improvement, as indicated by their HEI score.
- As children get older, their diet quality declines. In 1996, among children ages 2 to 5, 24 percent had a good diet and 8 percent had a poor diet. For those ages 13 to 18, 6 percent had a good diet and 20 percent had a poor diet.
- As children grow older, the lower quality diets of older children are linked to declines in their fruit and milk consumption.
- Poor children are less likely than nonpoor children to have a diet rated as good. For children ages 2

to 5, 19 percent of those in a poor household had a good diet in 1994-96, compared with 28 percent of those in a nonpoor household.

The diet quality of children and adolescents was similar in 1994, 1995, and 1996—most children in each of these years had a diet that was poor or needed improvement.

Bullets contain references to data that can be found in Tables ECON4.A, ECON4.B, ECON4.C, and ECON4.D on pages 78-80. Endnotes begin on page 59.

Access to Health Care

C hildren with access to health care have reasonable assurance of obtaining the medical and dental attention needed to maintain their physical well-being. Access involves both the availability of a regular source of care and the ability of the child's family, or someone else, to pay for it. Children with health insurance (public or private) are much more likely than children without insurance to have a regular and accessible source of health care. The percentage of children who have health insurance coverage at least part of the year is one measure of the extent to which families can obtain preventive care or health care for a sick or injured child.



NOTE: Public health insurance for children consists primarily of Medicaid, but also includes Medicare and CHAMPUS (Civilian Health and Medical Program of the Uniformed Services). CHAMPUS is a health benefit program for all members of the armed forces and their dependents. It is being replaced by Tricare.

SOURCE: U.S. Bureau of the Census, Housing and Household Economic Statistics Division, March Current Population Survey.

- In 1997, 85 percent of children had health insurance coverage. This percentage has been fairly stable since 1987.
- The number of children who had no health insurance at any time during 1997 was 10.7 million (15 percent of all children). Neither the number nor the percent of uninsured children were significantly higher than the 1996 figures of 10.6 million and 15 percent.
- The proportion of children covered by private health insurance has decreased in recent years, from 74 percent in 1987 to 67 percent in 1997. During the same period, the proportion of children

covered by public health insurance 37 has grown from 19 percent to 23 percent. 38

- Hispanic children are less likely to have health insurance than either white, non-Hispanic or black children. In 1997, 71 percent of Hispanic children were covered by health insurance, compared to 89 percent of white, non-Hispanic children and 81 percent of black children.
- Overall rates of coverage vary little by age of child, but young children ages birth to 5 are more likely than older children to have public rather than private health insurance.

The health of children depends at least partially on their access to health services. Health care for children includes physical examinations, preventive interventions and education, observations, screening, and immunizations, as well as sick care.³⁹ Having a usual source of care—a particular person or place a child goes for sick and preventive care—facilitates the timely and appropriate use of pediatric care.^{40, 41} Emergency rooms are excluded here as a usual source of care because their focus on emergency care generally excludes the other elements of health care.⁴²



SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey, 1996.

- In 1996, 6 percent of children had no usual source of health care, according to their parents.
- In 1996, children with public insurance were almost twice as likely to have no usual source of care as children with private insurance.
- Uninsured children are much more likely to have no usual source of care than are children who have health insurance. Children who were uninsured were over seven times as likely as those with private insurance to have no usual source of care in 1996.
- Older children are slightly more likely than younger children to lack a usual source of health care. Most of this difference is due to adolescents

ages 12 to 17 lacking a usual source of care. In 1996, 8 percent of all adolescents 12 to 17 lacked a usual source of health care. Over 27 percent of uninsured adolescents in this age group lacked a usual source of health care.⁴³

The proportion of children with no usual source of health care has been declining. In 1993, 7.6 percent of children had no usual source of care, compared with 6.1 percent in 1996.

Bullets contain references to data that can be found in Tables ECON5.A and ECON5.B on pages 81 and 82. Endnotes begin on page 59.

Indicators Needed

Economic Security

Economic security is multifaceted, and several measures are needed to adequately represent its various aspects. This year's report improves upon last year's report by providing an expanded indicator of Food Security that includes a measure of the nutritional quality of children's diets. However, additional indicators are needed on:

- Economic security measures. Changes in children's economic well-being over time need to be anchored in an average standard of living context. Multiple measures of family income, or consumption, some of which might incorporate estimates of various family assets, could produce more reliable estimates of changes in children's economic well-being over time.
- Long-term poverty for families with children. Although good Federal data are available on child poverty, and alternative measures are being developed (see ECON1, Child Poverty and Family Income and discussion of alternative poverty rates on page 74), the surveys that collect these data do not capture

information on long-term poverty. Long-term poverty among children can be estimated from existing longitudinal surveys, but changes to current surveys would be needed to provide estimates on a regular basis. Since long-term poverty can have serious negative consequences for children's well-being, regularly collected and reported data are needed to provide the capacity to produce regular estimates.

Homelessness. At present, there are no regularly collected data on the number of homeless children in the United States, although there have been occasional studies that have sought to estimate this number.

Indicators of Children's Well-Being

Health Indicators
General Health Status

The health of children and youth is basic to their well-being and optimal development. Parental reports of their children's health provide one indication of the overall health status of the Nation's children. This indicator measures the percentage of children whose parents report them to be in very good or excellent health.



SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey.

- In 1996, about 81 percent of children were reported by their parents to be in very good or excellent health.
- Child health varies by family income. As family income increases, the percentage of children in very good or excellent health increases. In 1996, about 65 percent of children in families below the poverty line were in very good or excellent health, compared with 84 percent of children in families living at or above the poverty line.
- Children under age 5 are about as likely to be in very good or excellent health as children ages 5 to 17.
- The percentage of children in very good or excellent health remained stable between 1984 and 1996. The health gap between children below and those at or above the poverty line also did not change during the time period; each year, children at or above the poverty line were about 20 percentage points more likely to be in very good or excellent health than children below poverty.

Bullets contain references to data that can be found in Table HEALTH1 on page 83. See indicator ECON1 on pages 12 and 13 for a description of child poverty.

Activity Limitation

hildren whose activities are limited by one or more chronic health conditions may need more specialized health care than children without such limitations. Their medical costs are generally higher; they are more likely to miss days from school; and they may require special education services.⁴⁴ Researchers use parental reports on limitations associated with chronic conditions to determine the prevalence of activity limitations. Chronic conditions usually have a duration of more than 3 months, such as asthma, hearing impairment, or diabetes. Activities include going to school, playing, and any other activities of children.



- In 1996, 8 percent of children ages 5 to 17 were limited in their activities because of one or more chronic health conditions, compared to 3 percent of children younger than 5. These rates were about the same as in 1995. Children and youth ages 5 to 17 have much higher rates of activity limitation than younger children, possibly because some chronic conditions are not diagnosed until children enter school.
- Children and youth in families living below the poverty line have significantly higher rates of activity limitation than children in more affluent families. Among children and youth ages 5 to 17, 12 percent of children living below poverty had activity limitation due to chronic conditions, whereas 7 percent of children in families at or above poverty had a limitation in 1996.
- Between 1984 and 1996, activity limitation increased from 9 to 12 percent among children

ages 5 to 17 in families living below the poverty line, and from 6 to 7 percent among children ages 5 to 17 in families at or above the poverty line.

- The difference in activity limitation by income is also present among preschool-age children. Children ages birth to 4 in families below poverty had a rate of activity limitation substantially higher than children in families at or above poverty.
- More males ages 5 to 17 had limitation of activity than females for all years from 1984-1996. In 1996, 9 percent of males and 6 percent of females were limited in their activities because of one or more chronic health conditions.

Bullets contain references to data that can be found in Table HEALTH2 on page 84. Endnotes begin on page 59.

Low Birthweight

ow-birthweight infants (infants born weighing less than 2,500 grams, or about 5.5 pounds) are at higher risk of death or long-term illness and disability than are infants of normal birthweight.^{45, 46} Low-birthweight infants are a diverse group: some are born prematurely, some are full-term but small for their gestational age, and some are both premature and small.



SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System.

- The percent of infants born of low birthweight was 7.5 in 1997, up slightly from 7.4 percent in 1996.^{47, 48} The low birthweight rate has increased slowly but steadily since 1984. The 1997 rate is the highest since 1973.
- The low birthweight rate for non-Hispanic black infants declined during the 1990s, to 13.1 percent in 1996 and 1997. The low birthweight rate has risen during the 1990s for non-Hispanic white infants, from 5.6 percent in 1990 to 6.5 percent in 1997. Low birthweight among Hispanic infants rose slightly in 1997 to 6.4 percent. The rate of low birthweight for American Indian/Alaska Native infants was 6.8 percent and the overall rate for Asian/Pacific Islander infants was 7.2 percent in 1997.
- The percentage of low-birthweight births varies widely within Hispanic and Asian/Pacific Islander subgroups. Final statistics for 1997 indicate that among Hispanics, women of Mexican origin had the lowest percentage of low birthweight infants (6.0

percent) and Puerto Ricans the highest (9.4 percent). Among Asian/Pacific Islander subgroups, low birthweight was lowest for births to women of Chinese origin (5.1 percent) and highest for women of Filipino origin (8.3 percent).

- About 1.4 percent of infants were born with very low birthweight (less than 1,500 grams) in 1996 and 1997, up from 1.3 percent in each year, 1989-95, and 1.2 percent in each year, 1981-88.^{49, 50}
- One reason for the increase in low birthweight over the past several years is that the number of twin, triplet, and higher-order multiple births has increased.^{51, 52} Twins and other multiples are much more likely than singleton infants to be of low birthweight; 54 percent of twins and 93 percent of triplets, compared with 6 percent of singletons, were low birthweight in 1997.⁵³

Bullets contain references to data that can be found in Table HEALTH3 on page 85. Endnotes begin on page 59.

Infant Mortality

Infant mortality is defined as the death of an infant before his or her first birthday. The infant mortality rate is an important measure of the well-being of infants, children, and pregnant women because it is associated with a variety of factors, such as maternal health, quality and access to medical care, socioeconomic conditions, and public health practices.⁵⁴ In the United States, about two-thirds of infant deaths occur in the first month after birth and are due mostly to health problems of the infant or the pregnancy, such as preterm delivery or birth defects. About one-third of infant deaths occur after the first month and are influenced greatly by social or environmental factors, such as exposure to cigarette smoke or access to health care.⁵⁵



- The 1997 infant mortality rate⁵⁶ for the United States, according to preliminary data, was 7.1 deaths per 1,000 births, substantially below the 1983 rate of 10.9.
- Infant mortality data are available by mother's race and ethnicity through 1996. Black, non-Hispanics have consistently had a higher infant mortality rate than white, non-Hispanics. In 1996, the black, non-Hispanic infant mortality rate was 14.2, compared to 6.0 for white, non-Hispanics.
- Infant mortality has dropped for all race and ethnic groups over time, but there are still substantial racial and ethnic disparities in infant mortality. In 1996, black, non-Hispanic and American Indian/Alaska Native infants had significantly higher infant mortality rates than white, non-

Hispanic, Hispanic, and Asian/Pacific Islander infants. In 1996, infant mortality rates⁵⁷ varied from 5.2 among Asian/Pacific Islander infants and 6.1 for Hispanics, to 10.0 among American Indians/Alaska Natives.

Infant mortality rates also vary within race and ethnic populations. For example, among Hispanics in the United States, the infant mortality rate ranged from a low of 5.0 for infants of Central and South American origin to a high of 8.6 for Puerto Ricans. Among Asians/Pacific Islanders, infant mortality rates ranged from 3.2 for infants of Chinese origin to 5.8 for Filipinos.

Bullets contain references to data that can be found in Table HEALTH4 on page 86. Endnotes begin on page 59.

Childhood Immunization

A dequate immunization protects children against several diseases that killed or disabled many children in past decades. Rates of childhood immunization are one measure of the extent to which children are protected from serious preventable illnesses. The combined series immunization rate measures the extent to which children have received four key vaccinations.



NOTE: Vaccinations included in the combined series are 4 doses of diphtheria-tetanus-pertussis (DTP) vaccine, 3 doses of polio vaccine, 1 dose of a measles-containing vaccine, and 3 doses of Haemophilus influenzae type b (Hib) vaccine. SOURCE: Centers for Disease Control and Prevention, National Immunization Program and National Center for Health Statistics, National Immunization Survey.

- In 1997, 76 percent of children ages 19 to 35 months had received the combined series of vaccines (often referred to as the 4:3:1:3 combined series).
- Children with family incomes below the poverty level were less likely to have received the combined series than children with family incomes at or above the poverty line—71 percent compared to 79 percent in 1997.
- While coverage with the combined series decreased 1 percentage point between 1996 and 1997, the gap in coverage between children in families below the poverty level and those at or above poverty also decreased—from 11 percentage points in 1996 to 8 percentage points in 1997.
- Ninety-three percent of children 19 to 35 months old had received at least three doses of Hib vaccine in 1997.

- Eighty-four percent of children 19 to 35 months old had received three or more doses of the Hepatitis B vaccine in 1997.
- White, non-Hispanic children were more likely to receive the 4:3:1:3 combined series of vaccines than were black, non-Hispanic or Hispanic children. Seventy-nine percent of white, non-Hispanic children ages 19 to 35 months received these immunizations compared with 73 percent of black, non-Hispanic children and 72 percent of Hispanic children.

Bullets contain references to data that can be found in Table HEALTH5 on page 87.

Child Mortality

C hild mortality rates are the most severe measure of ill health in children. In 1996, unintentional injuries, birth defects, and cancer were the leading causes of death among children ages 1 to 4, while at ages 5 to 14, unintentional injuries, cancer, and homicide were the leading causes of death.⁵⁸

Indicator HEALTH6.A Mortality rate among children ages 1 to 4 by race and Hispanic origin, 1980-97



NOTE: Total includes American Indians/Alaska Natives. Mortality rates for American Indians/Alaska Natives are not shown separately because the numbers of deaths were too small for the calculation of reliable rates. 1997 data are preliminary. SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System.

- In 1997, the death rate⁵⁹ for children ages 1 to 4 was 36 per 100,000 children, according to preliminary data.
- Between 1980 and 1997, the death rate declined by almost half for children ages 1 to 4. Declines in deaths from unintentional injury and cancer were the main causes of the overall drop in mortality.
- Among children ages 1 to 4, black children had the highest death rates in 1997 at 59 per 100,000

children (preliminary data). Asian/Pacific Islander children had the lowest death rate, at 25.

While the mortality rate for almost all groups of children continues to fall, it has fallen most dramatically among black children ages 1 to 4, from 67.6 per 100,000 in 1996 to 59.2 in 1997, according to preliminary data. This rate, however, remains more than twice the rate for whites, at 31.5 per 100,000 according to 1997 preliminary data.



Mortality rate among children ages 5 to 14 by race and Hispanic origin, 1980-97

because the numbers of deaths were too small for the calculation of reliable rates. 1997 data are preliminary. SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System.

■ The death rate in 1997 (preliminary data) for children ages 5 to 14 was 21 per 100,000 children, about a third lower than the 1980 death rate of 31. Declines in deaths from unintentional injury and cancer were the main causes of the overall drop in mortality.

Among children ages 5 to 14, black children had the highest death rates in 1996 at 31 deaths per

100,000 (preliminary data), and Asians/Pacific Islanders had the lowest death rate at 15.

Bullets contain references to data that can be found in Table HEALTH6 on page 88. Endnotes begin on page 59.

Adolescent Mortality

ompared with younger children, adolescents have much higher mortality rates. In addition, adolescents are much more likely to die from injuries sustained from motor vehicle traffic accidents or firearms.⁶⁰ This difference illustrates the importance of looking separately at mortality rates and causes of death among teenagers ages 15 to 19.

Indicator HEALTH7.A

Mortality rate among adolescents ages 15 to 19 by cause of death, 1980-96



SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System.

- In 1996, the death rate for adolescents ages 15 to 19 was 79 deaths per 100,000, just below the 1985 rate. After increasing to 89 per 100,000 in 1991, the rate declined again and continues to be substantially lower than the rate in 1980. Injury, which includes homicide, suicide, and unintentional injuries, continues to account for 4 out of 5 deaths among adolescents.
- Injuries from motor vehicles and firearms are the primary causes of death among youth ages 15-19. Motor vehicle traffic-related injuries accounted for 36 percent of deaths in this age group during 1996, while injuries from firearms accounted for 27 percent.
- Motor vehicle injuries were the leading cause of death among adolescents for each year between 1980 and 1996, but the death rate declined by onethird during the time period. Little change, however, has occurred since 1992.
- In 1980, deaths to adolescents 15 to 19 resulting from motor vehicle injuries occurred almost three times as often as those resulting from firearm injuries (intentional and unintentional).

- Motor vehicle traffic-related and firearm death rates have followed different trends since 1980. From 1980 to 1985 both rates declined; in the following years, however, the motor vehicle traffic death rate continued to decline modestly while the firearm death rate increased markedly. During the years 1992 to 1994 the two rates differed only slightly. However, in 1995 and 1996, as a result of a faster decline in the adolescent firearm injury death rate than in the motor vehicle traffic death rate, the relative difference between the two causes increased again.
- Most of the increase in firearm injury deaths between 1985 and 1992 resulted from an increase in homicides. The firearm homicide rate among 15to 19-year-olds more than tripled from 5 to 18 per 100,000 between 1983 and 1993. At the same time, the firearm suicide rate rose from 5 to 7 per 100,000. From 1994 to 1996, both the firearm suicide and firearm homicide rates declined by about one-fourth.



Indicator HEALTH7.B Injury mortality rate among adolescents ages 15 to 19 by gender, race, Hispanic

Motor vehicle and firearm injury deaths were both more common among male than among female adolescents. In 1996, the motor vehicle traffic death rate for males was nearly twice the rate for females, and the firearm death rate among males was seven times that for females.

Among adolescents in 1996, motor vehicle injuries were the most common cause of death among white, non-Hispanic males and females, black females, and Hispanic females. There were more deaths from firearms than from motor vehicle injuries among black and Hispanic males. Firearms were the most frequent weapon used in suicide and homicide among adolescents.

- Motor vehicle and firearm mortality declined more for males than for females between 1994 and 1996.
- Deaths from firearm injuries among teenagers declined substantially between 1994 and 1996, particularly among black and Hispanic males. From 1994-96, the firearm homicide rates for Hispanic and black adolescent males declined by more than one-fourth to 41 and 92 per 100,000, respectively.⁶¹

Bullets contain references to data that can be found in Tables HEALTH 7.A and HEALTH7.B on pages 89 and 90. Endnotes begin on page 59.

Adolescent Births

B earing a child during adolescence is associated with long-term difficulties for the mother, her child, and society. These consequences are often attributable to the poverty and other adverse socioeconomic circumstances that frequently accompany early childbearing.⁶² Compared with babies born to older mothers, babies born to adolescent mothers, particularly young adolescent mothers, are at higher risk of low birthweight and infant mortality.⁶³ They are more likely to grow up in homes that offer lower levels of emotional support and cognitive stimulation, and they are less likely to earn high school diplomas. For the mothers, giving birth during adolescence is associated with limited educational attainment, which in turn can reduce future employment prospects and earnings potential.⁶⁴ The birth rate of adolescents under age 18 is a measure of particular interest because the mothers are still of school age.



NOTE: Rates for 1980-89 are calculated for all whites and all blacks. Rates from 1980-1989 are not shown for Hispanics, non-Hispanic whites, or non-Hispanic blacks because estimates for populations were not available.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System.

- In 1997, the adolescent birth rate was 32 per 1,000 young women ages 15 to 17. There were 182,408 births to these young women in 1997.^{65, 66}
- The birth rate among teenagers 15 to 17 years old declined from 39 to 32 births per 1,000 between 1991 and 1997. This decline follows a period of substantial increase between 1986 and 1991. During the early 1980s, the rate declined slightly and reached a record low in 1986.⁶⁷
- There are substantial racial and ethnic disparities in birth rates among young women ages 15 to 17. In 1997, the birth rate for this age group was 14 per 1,000 for Asians/Pacific Islanders, 19 for non-Hispanic whites, 45 for American Indians/Alaska Natives, 63 for non-Hispanic blacks, and 66 for Hispanics.^{68, 69}
- The birth rate for black females ages 15 to 17 dropped by more than one-quarter between 1991 and 1997, reversing the increase from 1986 to 1991. The birth rate for non-Hispanic white teens

declined by a smaller margin than the rate for black teens during 1991-97. In contrast, the birth rate for Hispanics in this age group did not begin to decline until after 1994.

- In 1997, 87 percent of births to females ages 15 to 17 were births to unmarried mothers, compared with 62 percent in 1980.⁷⁰
- While four-fifths of adolescent births are first births, the steepest decline in birth rates for ages 15-17 in the 1990s has been for second births to adolescents who have already had one child.⁷¹
- Recent declines in teenage birth rates parallel but outpace the reductions in birth rates for unmarried teenagers (POP6A). Birth rates for married teenagers have fallen sharply in the 1990s, but relatively few teenagers are married.⁷²

Bullets contain references to data that can be found in Table HEALTH8 on page 91. Endnotes begin on page 59.

Indicators Needed

Health

National indicators in the areas noted below are not yet available because of the difficulty in defining and measuring the phenomena, particularly through survey research methods. Progress has been made, however, and in some areas, Federal surveys are undergoing improvements that will eventually lead to regular data that can be used for monitoring child well-being. The following health-related areas have been identified as priorities for indicator development by the Federal Interagency Forum on Child and Family Statistics:

- Disability. The Federal Interagency Forum on Child and Family Statistics established a subcommittee to develop an indicator on children with disabilities. This indicator is the "Special Feature" of this year's report (see p. 55), and is one possible measure of disability among children. An improved measure of disability among children that can be derived from regularly available data is still needed, and may emerge from continuing work of the subcommittee. Disability in children may involve chronic health conditions or limitations in mobility and physical movement, sensory and communicative ability, activities of daily living, or cognitive and mental health functions. Many definitions of disability are currently in use by policy-makers and researchers, but there is little agreement among them upon which components should be included, or how they are best measured. Parental or individual perceptions of limitations, the severity and impact of the limitation, and access to health care and services affect any estimate of disability among children.
- Mental health. The development of a global indicator of mental health is needed to estimate the number of children with mental, emotional, and behavioral problems. This indicator would take into account the child's age and sex and elicit valid responses from all racial, ethnic, and income groups. Several efforts are underway to develop such indicators, but these data will not be available until 2000.
- *Child abuse and neglect.* Also needed are regular, reliable estimates of the incidence of child abuse and neglect that are based on sample surveys rather than administrative records. Since administrative data are based on cases reported to authorities, it is likely that these data underestimate the magnitude of the problem. Estimates based on sample survey data, however, could potentially provide more accurate information if questions can be crafted that elicit the desired sensitive information.

Indicators of Children's Well-Being

Behavior and Social Environment Indicators

Regular Cigarette Smoking

S moking has serious long-term consequences, including the risk of smoking-related diseases, increased health care costs associated with treating these illnesses, and the risk of premature death.⁷³ Many adults who are addicted to tobacco today began smoking as adolescents, and it is estimated that more than 5 million of today's underage smokers will die of tobacco-related illnesses.⁷⁴ These consequences underscore the importance of studying patterns of smoking among adolescents.



SOURCE: National Institute on Drug Abuse, Monitoring the Future Survey.

- In 1998, 9 percent of 8th-graders, 16 percent of 10th-graders, and 22 percent of 12th-graders reported smoking cigarettes daily in the previous 30 days. Rates of daily smoking generally have increased since around 1992 for all three grades, but the 1998 data represent a significant decline from the previous year for 10th- and 12th-graders and no change for 8th-graders.
- Although daily smoking among 12th-graders has decreased from its recent high of 25 percent in 1997, the 1998 rate of 22 percent is still the second highest since 1979. Long-term trends for seniors show that daily smoking declined from 21 percent in 1980 to 17 percent in 1992 and has been higher in subsequent years.
- Females and males report similar rates of daily smoking. Eight percent of 8th-grade males smoke daily while 15 percent of 10th- and 23 percent of 12th-grade males do so. For females, rates are 9, 17, and 22 percent for 8th-, 10th-, and 12th-graders, respectively.
- Rates of smoking differ substantially between racial and ethnic groups. White students have the highest rate of smoking, followed by Hispanics, and then blacks. In 1998, 28 percent of white 12th-graders reported daily smoking, compared to 14 percent of Hispanics and 7 percent of blacks.

Bullets contain references to data that can be found in Table BEH1 on page 92. Endnotes begin on page 59.

Alcohol Use

Chool is the most commonly used psychoactive substance during adolescence. Its use is associated with motor vehicle accidents, injuries, and deaths; with problems in school and in the workplace; and with fighting, crime, and other serious consequences.⁷⁵ As a controlled substance, consumption of alcohol by adolescents is prohibited in most circumstances. Heavy drinking in adolescence may be especially problematic, potentially increasing the likelihood of negative outcomes.



- In 1998, heavy drinking remained stable from 1997, with 32 percent of 12th-graders, 24 percent of 10thgraders, and 14 percent of 8th-graders reporting heavy drinking, i.e., having at least five drinks in a row in the previous 2 weeks.
- Long-term trends for seniors indicate a peak in 1981 when 41 percent reported heavy drinking. Between 1981 and 1993, the percentage of high school seniors reporting heavy drinking declined significantly to a low of 28 percent in 1993. Since 1993 the prevalence of this behavior rose to 32 percent in 1998.
- Among 10th- and 12th-graders, males are substantially more likely to drink heavily than are females. In 1998, 39 percent of 12th-grade males reported heavy drinking, compared to 24 percent of 12th-grade females. Among 10th-graders, 27 percent of males reported heavy drinking, compared to 22 percent of females. As adolescents get older, the differences between males and

females in this drinking behavior become more pronounced.

- In contrast, for the youngest students surveyed, males and females are equally likely to report heavy alcohol use. Among 8th-graders in 1998, 14 percent of males and 13 percent of females reported heavy alcohol use.
- Heavy drinking appears to be much more likely among Hispanic and white secondary school students than among their black counterparts. For example, among 12th-graders, 12 percent of blacks reported heavy drinking compared to 36 percent of whites and 28 percent of Hispanics. Similarly, among 10th-graders, 13 percent of blacks reported heavy drinking, compared to 27 percent of whites and 26 percent of Hispanics.

Bullets contain references to data that can be found in Table BEH2 on page 93. Endnotes begin on page 59.

Illicit Drug Use

rug use by adolescents can have immediate as well as long-term health and social consequences. Cocaine use is linked with health problems that range from eating disorders to disability to death from heart attacks and strokes.⁷⁶ Marijuana use poses both health and cognitive risks, particularly for damage to pulmonary functions as a result of chronic use.⁷⁷ Hallucinogens can affect brain chemistry and result in problems with learning new information and memory.⁷⁸ Possession and/or use of drugs is illegal and can lead to a variety of penalties and a permanent criminal record. As is the case with alcohol use and smoking, drug use is a risk-taking behavior by adolescents that has serious negative consequences.



NOTE: Illicit drugs include marijuana, cocaine (including crack), heroin, hallucinogens (including PCP), inhalants, and non-medical use of psychotherapeutics.

SOURCE: National Institute on Drug Abuse, Monitoring the Future Survey.

- The percentage of 8th-, 10th-, and 12th-graders reporting illicit drug use in the past 30 days remained stable between 1997 and 1998. In 1998, 26 percent of 12th-graders reported using illicit drugs in the previous 30 days, as did 22 percent of 10th-graders and 12 percent of 8th-graders.
- The percentage of students in each grade level reporting illicit drug use in the past 30 days increased substantially between 1992 and 1996 from 14 to 25 percent for 12th-graders; from 11 to 23 percent for 10th-graders; and from 7 to 15 percent for 8th-graders. Since 1996, rates have remained stable or have decreased.
- Long-term trends for seniors indicate that illicit drug use declined from 37 percent in 1980 to 14 percent in 1992. After 1992, rates began to rise sharply, reaching 26 percent in 1997 and remaining stable in 1998. (Data for 8th- and 10th-graders are not available before 1991.)
- Among 12th-graders, males are more likely to use illicit drugs than females. In 1998, 29 percent of male 12th-graders reported using illicit drugs, compared to 22 percent of females. For 8thgraders, however, males and females are equally likely to report the use of illicit drugs, with 12 percent of both groups reporting use in the last 30 days.
- Twenty-eight percent of white 12th-graders reported illicit drug use in 1998, compared to 19 percent of black and 24 percent of Hispanic 12thgraders. Among 10th-graders, 23 percent of whites, 16 percent of blacks, and 24 percent of Hispanics reported illicit drug use in the past 30 days, while for 8th-graders, the rates were 12 percent, 10 percent, and 16 percent, respectively.

Bullets contain references to data that can be found in Table BEH3 on page 94. Endnotes begin on page 59.

Youth Victims and Perpetrators of Serious Violent Crimes

iolence affects the quality of life of young people who experience, witness, or feel threatened by it. In addition to the direct physical harm suffered by young victims of serious violence, serious violence can adversely affect victims' mental health and development, and increase the likelihood that they themselves will commit acts of serious violence.⁷⁹ Youth ages 12 to 17 are nearly three times more likely than adults to be victims of serious violent crimes,⁸⁰ which include aggravated assault, rape, robbery (stealing by force or threat of violence), and homicide.



NOTE: Serious violent crimes include aggravated assault, rape, robbery (stealing by force or threat of violence), and homicide. Because of changes made in the victimization survey, data prior to 1992 are adjusted to make them comparable with data collected under the redesigned methodology.

SOURCE: U.S. Department of Justice, Bureau of Justice Statistics, National Crime Victimization Survey. Federal Bureau of Investigation, Uniform Crime Reporting Program, Supplementary Homicide Reports.

- In 1997, the rate at which youth were victims of serious violent crimes was 27 crimes per 1,000 juveniles ages 12 to 17 years old, totaling about 620,000 such crimes.
- The serious violent crime victimization rate fluctuated between 34 and 43 per 1,000 from 1980 to 1990, and peaked at 44 per 1,000 in 1993. Since 1993, the rate of serious violent crime against youth has decreased to 27 per 1,000 in 1997.
- Males are much more likely than females to be victims of serious violent crimes. In 1997, the

serious violent crime victimization rate was 33 per 1,000 male youth, compared to 21 per 1,000 female youth.

Vounger teens (ages 12 to 14) are somewhat less likely than older teens (ages 15 to 17) to be victims of serious violent crimes. In 1997, the serious violent crime victimization rates were 24 per 1,000 for younger teens and 31 per 1,000 for older teens. The level of youth violence in society can be viewed as an indicator of the collective failure on the part of socializing agents such as families, peers, schools, and religious institutions to supervise or channel youth behavior to acceptable norms and of youth to control their behavior. One measure of the serious violent crime committed by juveniles is the incidence rate of serious violent juvenile crime.

Indicator BEH4.B Serious violent crime offending rate by youth ages 12 to 17, 1980-97



NOTE: This rate is the ratio of the number of crimes (aggravated assault, rape, and robbery; i.e., stealing by force or threat of violence) reported to the National Crime Victimization Survey plus the number of homicides reported to police that involve at least one juvenile offender perceived by the victim (or by law enforcement in the case of homicide) to be 12 through 17 years of age, to the number of juveniles in the population. Because of changes made in the victimization survey, data prior to 1992 are adjusted to make them comparable with data collected under the redesigned methodology.

SOURCE: U.S. Department of Justice, Bureau of Justice Statistics, National Crime Victimization Survey. Federal Bureau of Investigation, Uniform Crime Reporting Program, Supplementary Homicide Reports.

- In 1997, the serious violent juvenile crime offending rate was 31 crimes per 1,000 juveniles ages 12 to 17 years old, totaling 706,000 such crimes involving juveniles.
- Between 1980 and 1989, the serious violent juvenile crime offending rate fluctuated between 29 and 40 per 1,000, and then began to increase from 34 per 1,000 in 1989 to a high of 52 per 1,000 in 1993.
 Since then, the rate has steadily dropped to 31 per 1,000 in 1997.
- Between 1980 and 1997, the percentage of all serious violent crime involving juveniles has ranged from 19 percent in 1982 to 26 percent in 1993, the peak year for youth violence. In 1997, 23 percent of all such victimizations involved a juvenile offender.
- In about half (53 percent) of all serious violent juvenile crimes, victims reported that more than one offender was involved in the incident.⁸¹

Because insufficient detail exists to determine the age of each individual offender when a crime is committed by more than one offender, the number of additional juvenile offenders cannot be determined. Therefore, this rate of serious violent crime offending does not represent the number of juvenile offenders in the population, but rather the number of crimes committed involving juveniles 12 to 17 years old in relation to the juvenile population.

Bullets contain references to data that can be found in Tables BEH4.A and BEH4.B on pages 95 and 96. Endnotes begin on page 59.

Indicators Needed

Behavior and Social Environment

A broader set of indicators than those presented in this section is needed to adequately monitor youth behaviors and their social environment. The following examples are high priorities for indicator development.

- Indicators of positive behaviors. The engagement of youth in positive activities and the formation of close attachments to family, school, and community have been linked to positive outcomes in research studies. Additional research needs to be conducted that strengthens our understanding of positive activities and the aspects of those activities that protect youth from risk. Then, regular sources of data that can be used to monitor trends in these important areas over time need to be developed. Examples of positive activities might include participation in extra-curricular activities such as school clubs and team sports, scouting, involvement with religious organizations, or volunteering at community organizations.
- Neighborhood environment. Research shows that growing up in distressed neighborhoods has an

effect over and above that of individual or family background characteristics on child well-being. A survey is being developed that would, for the first time, enable the monitoring of America's communities and neighborhoods over time, and identify distressed neighborhoods in which children are living.

• *Youth violence.* The indicator on serious violent crime offending by youth in this report does not provide critical information on the number and characteristics of youthful offenders involved in serious crime. Additional work is needed to produce a more comprehensive and useful measure of the prevalence of violence among young people.

Indicators of Children's Well-Being

Education Indicators

Family Reading to Young Children

R eading to young children promotes language acquisition and correlates with literacy development and, later on, with achievement in reading comprehension and overall success in school.⁸² The percentage of young children read aloud to daily by a family member is one indicator of how well young children are prepared for school.



NOTE: Estimates are based on children ages 3 to 5 who have yet to enter kindergarten. SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey, 1996.

- In 1996, 57 percent of children ages 3 to 5 were read aloud to by a family member every day in the last week, up slightly from 53 percent in 1993.
 As a mother's education increases, so does the likelihood that her child is read to every day. In
- 1996, about three-quarters (77 percent) of children whose mothers were college graduates were read aloud to every day. In comparison, daily reading aloud occurred for 62 percent of children whose mothers had some postsecondary education, 49 percent whose mothers had completed high school but had no education beyond that, and 37 percent whose mothers had not completed high school.
- White, non-Hispanic children are more likely to be read aloud to every day than either black, non-Hispanic or Hispanic children. Sixty-four percent of white, non-Hispanic children, 44 percent of black, non-Hispanic children, and 39 percent of Hispanic children were read to every day.
- Children in families with incomes below the poverty line are less likely to be read aloud to every day than are children in families with incomes at or above the poverty line. Forty-six percent of children in families in poverty were read to every day in 1996, compared to 61 percent of children in families at or above the poverty line.
- Children living with two parents are more likely to be read aloud to every day than are children who live with one or no parent. Sixty-one percent of children in two-parent households were read to every day in 1996, compared to 46 percent of children living with one or no parent.

Bullets contain references to data that can be found in Table ED1 on page 97. Endnotes begin on page 59.

Early Childhood Education

ike family reading, participation in an early childhood education program can provide preschoolers with skills and enrichment that can increase their chances of success in school. Studies have demonstrated that participation in high-quality early childhood education programs has short-term positive effects on IQ and achievement, and long-term positive effects on low-income minority children's school completion.⁸³ Until a direct measure of preschoolers' cognitive, behavioral, and social skills is available for this monitoring report, this indirect indicator monitors the percentage of children who are exposed to potentially beneficial early childhood education.



NOTE: Data for 1990 and 1994-97 may not be comparable with other years because of changes in survey procedures. Estimates based on children who have yet to enter kindergarten.

SOURCE: U.S. Bureau of the Census, October Current Population Surveys. Tabulated by U.S. Department of Education, National Center for Education Statistics.

- In 1997, 48 percent of children ages 3 to 4 yet to enter kindergarten attended preschool, a substantial increase from the 30 percent who attended preschool in 1980, and an increase from 45 percent in 1996.
- Preschool attendance increased 10 percentage points among black, non-Hispanic children between 1996 and 1997—from 45 percent in 1996 to 55 percent in 1997. White, non-Hispanic children were also more likely to attend preschool

in 1997 (52 percent) than in 1996 (48 percent). The percentage of Hispanic children attending preschool remained about the same in 1997 (31 percent) as it was in 1996 (33 percent).

Preschool attendance increased among children living in poverty, from 34 percent in 1996 to 40 percent in 1997. Children not living in poverty had a smaller increase in preschool attendance—from 48 percent in 1996 to 51 percent in 1997.



SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Survey, 1996.

- When a broader group of early childhood programs are included (day care centers, nursery schools, preschool programs, Head Start programs, and prekindergarten programs), a larger percentage (53 percent) of children ages 3 to 4 yet to enter kindergarten attended one of several kinds of center-based early childhood programs in 1996.
- Children with more highly educated mothers are more likely to attend an early childhood center than others. Seventy-one percent of children whose mothers had completed college attended such programs in 1996, compared to 37 percent whose mothers had less than a high school education.
- Black, non-Hispanic children are somewhat more likely than white, non-Hispanic children and much more likely than Hispanic children to attend an early childhood center. In 1996, 63 percent of black, non-Hispanic children ages 3 to 4 attended such programs, compared to 54 percent of white, non-Hispanic children and 37 percent of Hispanic children.

Bullets contain references to data that can be found in Tables ED2.A and ED2.B on pages 98 and 99. Endnotes begin on page 59.

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Mathematics and Reading Achievement

The extent and content of students' knowledge, as well as their ability to think, learn, and communicate, affect their ability to succeed in the labor market well beyond their earning of a degree or attending school for a given number of years. On average, students with higher test scores will earn more and will be unemployed less often than students with lower test scores.⁸⁴ Mathematics and reading achievement test scores are important measures of students' skills in these subject areas, as well as good indicators of achievement overall in school. To assess progress in mathematics and reading, the National Assessment of Educational Progress measures national trends in the academic performance of students at ages 9, 13, and 17.



- Level 300: Moderately complex procedures and reasoning
 - Level 350: Multi-step problem solving and algebra

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress.

- Average math scores increased for all age groups between 1982 and 1996.
- Average reading scores have not improved among students ages 13 and 17 since 1980, and have declined slightly among 9-year-olds.

Indicator ED3.B





Level 300: Understands complicated information

Level 350: Learns from specialized reading materials

Level 250: Interrelates ideas and makes generalizations

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress.

- White, non-Hispanic students consistently have had higher reading and math scores than either black, non-Hispanic or Hispanic students at ages 9, 13, and 17. However, the gaps between non-Hispanic whites and non-Hispanic blacks and between non-Hispanic whites and Hispanics decreased in each subject in some age groups during the 1980s.
- On average, students at ages 13 and 17 whose parents have completed more years of school have higher reading and math scores than do their peers whose parents have had fewer years of education.⁸⁵
- Girls have consistently higher reading scores than boys at all ages. Boys outperformed girls in math at all ages in 1996. For most years, the differences between boys and girls at ages 9 and 13 were not significant and boys slightly outperformed girls at age 17.

Bullets contain references to data that can be found in Tables ED3.A and ED3.B on pages 100 and 101. Endnotes begin on page 59.

High School Completion

A high school diploma or its equivalent represents mastery of the basic reading, writing, and math skills a person needs to function in modern society. The percentage of young adults ages 18 to 24 with a high school diploma or an equivalent credential is a measure of the extent to which young adults have completed a basic prerequisite for many entry-level jobs as well as higher education.



NOTE: Percentages are based only on those not currently enrolled in high school or below. Prior to 1992, this indicator was measured as completing 4 or more years of high school. SOURCE: U.S. Bureau of the Census, October Current Population Survey. Tabulated by U.S. Department of Education, National Center for Education Statistics

- In 1997, 86 percent of young adults ages 18 to 24 who were not currently enrolled in high school had completed high school, either with a diploma or an alternative credential such as a General Education Development (GED) test. The high school completion rate has increased slightly since 1980, when it was 84 percent.
- The rate at which non-Hispanic blacks completed high school increased markedly between 1980 and 1990, from 75 percent to 83 percent, and has remained relatively stable since then. Among non-Hispanic whites, high school completion rates increased slightly, from 88 percent in 1980 to 91 percent in 1997.
- Hispanics consistently have lower high school completion rates than either non-Hispanic blacks or non-Hispanic whites, fluctuating between 57

percent (in 1980) and 67 percent (in 1985 and again in 1997).

Most young adults (77 percent in 1997) complete high school by earning a regular high school diploma. Others complete high school by earning an alternative credential, such as the GED. The proportion of young adults ages 18 to 24 who had earned an alternative credential rose 5 percentage points in 3 years, from 5 percent in 1993 to 10 percent in 1996, while the proportion earning a regular diploma decreased about 5 percentage points over the same period.⁸⁶ Both stayed about the same in 1997 as in 1996.

Bullets contain references to data that can be found in Table ED4 on page 102. Endnotes begin on page 59.

Youth Neither Enrolled in School Nor Working

he transition from adolescence to adulthood is a critical period in each individual's life. The percent of youth ages 16 to 19 who are neither in school nor working are detached from both of the core activities that usually occupy people during this critical period. Youth who are detached from both activities, particularly if this situation lasts for several years, are at increased risk of having lower earnings and a less stable employment history than their peers who stayed in school and/or secured jobs.⁸⁷ The percentage of youth who are not enrolled in school and not working measures the proportion of young people who are in circumstances that may seriously limit their future prospects.



- In 1998, about 8 percent of the Nation's 16- to 19year-olds were neither enrolled in school nor working, a significant decrease from 9 percent in 1997.
- The proportion of youth neither enrolled nor working has been steadily declining since 1991, when it was 11 percent. Most of the decline in the proportion of youth neither enrolled nor working occurred among young women. In 1991, 13 percent of young women were neither in school nor working. By 1998, this proportion had decreased to 9 percent. Nevertheless, young women continue to be more likely to be detached from these activities than young men.
- Black youth are considerably more likely to be detached from these activities than white youth. In 1998, 13 percent of black youth were neither in

school nor working, compared to 7 percent of white youth. In addition, 14 percent of Hispanic youth were neither in school nor working.

- The proportion of black youth who are neither enrolled in school nor working has decreased from 18 percent in 1985 to 13 percent in 1998.
- Older youth, ages 18 to 19, are three times more likely to be detached from these activities than youth ages 16 to 17. In 1998, 13 percent of youth ages 18 to 19 were neither enrolled in school nor working compared to 4 percent of youth ages 16 to 17.

Bullets contain references to data that can be found in Table ED5 on page 103. Endnotes begin on page 59.

Higher Education

igher education, especially completion of a bachelor's or more advanced degree, generally enhances a person's employment prospects and increases his or her earning potential.⁸⁸ The percentage of high school graduates who have completed a bachelor's degree is one measure of the percentage of young people who have successfully applied for and persisted through a program of higher education.



NOTE: Prior to 1992, this indicator was measured as completing "4 or more years of college" rather than the actual attainment of a bachelor's degree.

SOURCE: U.S. Bureau of the Census, March Current Population Survey. Tabulated by U.S. Department of Education, National Center for Education Statistics.

- In 1998, 31 percent of high school graduates ages 25 to 29 had earned a bachelor's or a higher degree.
- This percentage increased slightly between 1980 and 1995, from 26 to 28 percent, then increased 3 percentage points between 1995 and 1996 and has remained stable since then.
- White, non-Hispanic high school graduates ages 25 to 29 are more likely than either black, non-Hispanic or Hispanic high school graduates in the same age group to have earned a bachelor's degree. In 1998, 35 percent of white, non-Hispanic, 18 percent of black, non-Hispanic, and 17 percent of Hispanic high school graduates in this age group had earned a bachelor's degree or higher.
- In 1998, 10 percent of high school graduates ages 25 to 29 had earned an associate degree but not a bachelor's degree.

- In 1998, 10 percent of white, non-Hispanic high school graduates ages 25 to 29 had associate degrees as their highest degree, as did 8 percent of black, non-Hispanic and 9 percent of Hispanic high school graduates in this age group.
- Racial group differences in rates of enrollment in college are smaller than differences in rates of degree attainment. In 1996, 45 percent of white, non-Hispanic high school graduates ages 18 to 24 were enrolled in college, compared to 36 percent of non-Hispanic blacks and 34 percent of Hispanics.⁸⁹

Bullets contain references to data that can be found in Table ED6 on page 104. Endnotes begin on page 59.

Indicators Needed

Education

Education indicators are needed in two areas that have been found to be critical to a child's development and life chances:

- *Early childhood development.* Although this report offers indicators of young children's exposure to reading and early childhood education, a regular source of data that can be used to monitor specific social, intellectual, and emotional skills of preschoolers over time is needed. By late 1999, a one-time data collection will provide information on the skills found among incoming kindergartners.
- *Course-taking*. Taking higher level courses in middle and high school is linked to higher achievement in those subjects, and to academic opportunity in a student's future academic career. Yet data on student course-taking behavior in middle school are not regularly available. A transcript study of middle school is needed, as is more research on which courses are most predictive of educational opportunity.

Indicators of Children's Well-Being

Special Feature

F or some important measures of children's wellbeing, data are not collected on a regular basis. This section presents one such indicator, which has data for only one time period.

Children Who Have Difficulty Performing Everyday Activities

There are a substantial number of children with long-term conditions or problems affecting their ability to perform everyday activities such as eating, dressing, walking, communicating, and understanding school work. Children who have difficulty performing everyday activities have disproportionately high use of the health care system, and many receive special services at school. The number of children needing assistance is not decreasing; for example, the percent of children served by public school programs for children with disabilities has increased in recent years.^{90, 91} The number of children identified as having such difficulties may be influenced both by childhood illnesses, injuries, and low birthweight, as well as by the increased ability of service providers to identify children who have special needs.^{92, 93, 94} Medical treatment, rehabilitation, and other programs and services that remove barriers and facilitate access also may influence whether limitations in physical and mental abilities translate into difficulties performing everyday tasks. The following chart presents four measures of children 's ability to perform everyday activities: learning, communication, mobility, and self-care, for children ages 5 through 17. A measure of the total number of children with problems in one or more of these areas is also included.



NOTE: Definitions for each of the four types of difficulties are provided in the note on page 105. SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey on Disability.

- Overall, 12.3 percent of non-institutionalized children ages 5 to 17 have difficulty performing one or more everyday activities.
- The most common of these four types of limitations was having difficulty with learning. In 1994, 10.6 percent of children were identified as having a limitation in learning, while 5.5 percent had a limitation in their ability to communicate.
- Relatively small proportions of children have mobility or self-care limitations. These disabilities

can be among the most expensive to manage and the most limiting. About 1.3 percent of children had mobility limitations and 0.9 percent had selfcare limitations.

Boys are more likely than girls to have difficulty performing each of the four types of everyday activities. Overall, 16 percent of boys have difficulty in at least one area compared with 9 percent of girls. A child's difficulty in performing one or more everyday activities is associated with his or her family's socioeconomic circumstances. The socioeconomic status among families of children with difficulties performing everyday activities may impact the equipment available or services these children receive. The following chart shows the percent of children in different socioeconomic groups who have problems in everyday activities.



NOTE: Parental education is defined as the highest education of an adult in the family. SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Health Interview Survey on Disability.

- Children in families with lower socioeconomic status were more likely than children in families with higher socioeconomic status to have difficulty performing everyday activities.
- In households where neither parent was a high school graduate, 15.5 percent of children had difficulty performing everyday activities, compared with 10.3 percent of children who had at least one parent with some college education.
- Children in single-parent households were substantially more likely to have difficulty performing everyday activities than children in families where both parents were present: 18.1 versus 10.4 percent, respectively.
- In families with incomes below the poverty level, 18.1 percent of children had difficulty performing everyday activities, compared with 10.9 percent in families at or above the poverty level.
- Children in families who have more than one of these characteristics—neither parent graduated from high school, family income below the poverty level, or single parent family—are more likely to have difficulties with everyday tasks compared to other children.⁹⁵

Bullets contain references to data that can be found in Table SPECIAL1 on page 105. Endnotes begin on page 59.
Notes to Indicators

¹ Adult respondents were asked if the children in the household spoke a language other than English at home and how well they could speak English. Categories used for reporting were "Very well," "Well," "Not well," and "Not at all." All those who were reported to speak English less than "Very well" were considered to have difficulty speaking English based on an evaluation of the English- speaking ability of sample children in the 1980s.

² The majority of children who lived with neither of their parents are living with grandparents or other relatives. Some live with foster parents or other non-relatives.

³ U.S. Department of Health and Human Services. (1995). *Report to Congress on out-of-wedlock childbearing*. Hyattsville, MD: National Center for Health Statistics.

⁴ McLanahan, S. (1995). The consequences of nonmarital childbearing for women, children, and society. In National Center for Health Statistics, *Report to Congress on out-of-wedlock childbearing*. Hyattsville, MD: National Center for Health Statistics.

⁵ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports* 47 (18). Hyattsville, MD: National Center for Health Statistics. Ventura, S.J. (1995). Births to unmarried mothers: United States, 1980-92. *Vital and Health Statistics* 53, (Series 21). Hyattsville, MD: National Center for Health Statistics.

⁶ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports*, 47 (18). Hyattsville, MD: National Center for Health Statistics.

⁷ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports*, *47*, (18). Hyattsville, MD: National Center for Health Statistics. Ventura, S.J. (1995). Births to unmarried mothers: United States, 1980-92. *Vital and Health Statistics*, *53* (Series 21). Hyattsville, MD: National Center for Health Statistics.

⁸ Ventura, S.J., Martin, J.A., Mathews, T.J., and Clarke, S.C. (1996). Advance report of final natality statistics, 1994. *Vital Statistics Report, 44* (11, Supplement). Hyattsville, MD: National Center for Health Statistics.

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¹⁰ Bumpass, L.L. and Sweet, J.A. (1995). Cohabitation, marriage, and urban stability: Preliminary findings from NSFH2. CDE Working Paper 65. Madison, WI: University of Wisconsin, Center for Demography and Ecology.

¹¹ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports*, *47* (18). Hyattsville, MD: National Center for Health Statistics. Ventura, S.J. (1995). Births to unmarried mothers: United States, 1980-92. *Vital and Health Statistics*, *53* (Series 21). Hyattsville, MD: National Center for Health Statistics.

¹² MacLanahan, S. (1995). The consequences of nonmarital childbearing for women, children, and society. In National Center for Health Statistics, *Report to Congress on out-of-wedlock childbearing*. Hyattsville, MD: National Center for Health Statistics.

¹³ The *birth rate for unmarried women* is the number of births per 1,000 unmarried women in a given age group, for example 20-24 years. It is not affected by differences in the number of women between groups. The *percentage of all births that are to unmarried women* is determined by the birth rate for married women (who account for two-thirds of all births), the birth rate for unmarried women (who account for one-third of all births), and the proportion of women in the childbearing ages who are unmarried. The percentage has increased in recent years, despite small declines in the birth rate for unmarried women, because the birth rate for married women has dropped and the proportion of women unmarried has increased.

¹⁴ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports*, 47 (18). Hyattsville, MD: National Center for Health Statistics.

¹⁵ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1998). Report of final natality statistics, 1996. *Monthly Vital Statistics Report, 46* (11, Supplement). Hyattsville, MD: National Center for Health Statistics.

¹⁶ Ventura, S.J. (1995). Births to unmarried mothers: United States, 1980-92. *Vital and Health Statistics* (Series 21, No. 53). Hyattsville, MD: National Center for Health Statistics.

¹⁷ U.S. Bureau of the Census. Marital status and living arrangements (annual reports). Current Population Reports (Series P-20). (Beginning in 1995, reports are available on the Census Bureau web site.)

¹⁸ Ventura, S.J., Martin, J.A., Curtin, S.C and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports*, *47* (18). Hyattsville, MD: National Center for Health Statistics.

¹⁹ Ventura, S.J., Martin, J.A., Mathews, T.J., and Clarke, S.C. (1996). Advance report of final natality statistics, 1994. *Monthly Vital Statistics Report, 44* (11, Supplement). Hyattsville, MD: National Center for Health Statistics.

²⁰ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports*, *47* (18). Hyattsville, MD: National Center for Health Statistics.

²¹ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports*, *47* (18). Hyattsville, MD: National Center for Health Statistics.

²² Ventura, S.J. (1995). Births to unmarried mothers: United States, 1980-92. *Vital and Health Statistics* (Series 21, No. 53). Hyattsville, MD: National Center for Health Statistics.

²³ U.S. Bureau of the Census. Marital status and living arrangements (annual reports). *Current Population Reports* (Series P-20). (Beginning in 1995, reports are available on the Census Bureau web site.)

²⁴ Duncan, G. and Brooks-Gunn, J. (Eds.). (1997). Consequences of growing up poor. New York: Russell Sage Press.

²⁵ An, C., Haveman, R., and Wolfe, B. (1993). Teen out-of-wedlock births and welfare receipt: The role of childhood events and economic circumstances. *Review of Economics and Statistics*, 75 (2), 195-208.

²⁶ Duncan, G. and Brooks-Gunn, J. (Eds.). (1997). Consequences of growing up poor. New York: Russell Sage Press.

²⁷ The child poverty rate for 1981 was 19.5.

²⁸ These income categories are similar to those used in the *Economic Report of the President*. (1998). A similar approach is found in Hernandez, D. (1993). *America's Children*, except that Hernandez uses the relationship to median income to define his categories. For either method, the income categories for the medium and high income are at similar levels of median family income.

²⁹ Mayer, S.E. (1997). Income, employment and the support of children; and Smith, J.R., Brooks-Gunn, J., and Jackson, A.P. (1997). Parental employment and children. In Hauser, R.M., Brown, B.V., and Prosser, W. (Eds.). *Indicators of Children's Well-Being*. New York: Russell Sage Press.

³⁰ Kaufman, T. (1996). *Housing America's future: Children at risk*. Washington, DC: National Low-Income Housing Coalition.

³¹ The most common problems meeting the definition are lacking complete plumbing for exclusive use, having unvented room heaters as the primary heating equipment, and multiple upkeep problems such as water leakage, open cracks or holes, broken plaster, or signs of rats.

³² Paying 30 percent or more of income for housing may leave insufficient resources for other basic needs. National Academy of Sciences. (1995). *Measuring poverty: A new approach*. Washington, DC: National Academy Press.

³³ Income-eligible families who report either severe housing cost burdens or severe physical problems with their housing are considered by the U.S. Department of Housing and Urban Development to have "priority" housing problems.

³⁴ "Very-low-income renters" are renter households with incomes at or below half the median income in their geographic area.

³⁵ Life Sciences Research Office and American Institute of Nutrition. (1990). *Core indicators of nutritional state for difficult to sample populations*. Bethesda, MD: Life Sciences Research Office and American Institute of Nutrition.

³⁶ For additional results and more details on the Healthy Eating Index and how it is computed, see: Bowman, S.A., Lino, M., Gerrior, S.A., and Basiotis, P.P. (1998). *The Healthy Eating Index: 1994-96*. U.S. Department of Agriculture, Center for Nutrition Policy and Promotion. (CNPP-5). Available at http://www.usda.gov/cnpp.

³⁷ Public health insurance includes Medicaid, Medicare, and CHAMPUS/Tricare.

³⁸ The percentages of children covered by public and private insurance in 1997 do not add up to 85 percent (the percentage of all children covered by health insurance), because some children have both public and private insurance.

³⁹ Green, M. (Ed.). (1994). *Bright futures: Guidelines for health supervision of infants, children, and adolescents*. Arlington, VA: National Center for Education in Maternal and Child Health.

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⁴¹ Bartman, B.A., Moy, E., and D'Angelo, L.J. (1997). Access to ambulatory care for adolescents: The role of a usual source of care. *Journal of Health Care for the Poor and Underserved, 8,* 214-226.

⁴² Folton, G.L. (1995). Critical issues in urban emergency medical services for children. *Pediatrics*, 96 (2), 174-179.

⁴³ Unpublished NCHS estimates.

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⁴⁶ MacDorman, M.F. and Atkinson, J.O. (1998). Infant mortality statistics from the 1996 period linked birth/infant death data set. *Monthly Vital Statistics Report, 46* (12, Supplement). Hyattsville, MD: National Center for Health Statistics.

⁴⁷ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1998). Report of final natality statistics, 1996. *Monthly Vital Statistics Report, 46* (11, Supplement). Hyattsville, MD: National Center for Health Statistics.

⁴⁸ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports*, *47* (18). Hyattsville, MD: National Center for Health Statistics.

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⁵¹ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports*, 47 (18). Hyattsville, MD: National Center for Health Statistics.

⁵² Martin, J.A. and Taffel, S.M. (1995). Current and future impact of rising multiple birth ratios on low birthweight. *Statistical Bulletin*, *76* (2). New York, NY: Metropolitan Life Insurance Company.

⁵³ Ventura, S.J., Martin, J.A., Curtin, S.C., and Mathews, T.J. (1999). Births: Final data for 1997. *National Vital Statistics Reports*, *47* (18). Hyattsville, MD: National Center for Health Statistics.

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⁵⁵ Centers for Disease Control and Prevention. (1995). Poverty and infant mortality, United States, 1988. *Morbidity and Mortality Weekly Report, 44* (49), 922-927.

⁵⁶ Ventura, S.J., Anderson, R.N., Martin, J.A., and Smith, B.L. (1998). Births and deaths: Preliminary data for 1997. *National Vital Statistics Reports*, 47 (4). Atlanta, GA: Centers for Disease Control and Prevention.

⁵⁷ Infant mortality rates for subgroups within an ethnic population are calculated from a separate data set, the National Linked Files of Live Births and Infant Deaths (linked file). The most recent year for which those data are available is 1996. No linked file was produced for data years 1992 through 1994, as a transition was made from cohort data to period data. For period linked files, the numerator consists of all infant deaths occurring in the period that have been linked to their corresponding birth certificates, whether the birth occurred in that year or the previous year. References include: National Center for Health Statistics. (1997). Public use data file documentation: Linked birth/infant death data set–1995 period data. Hyattsville, MD: National Center for Health Statistics. Prager, K. (1994). Infant mortality by birthweight and other characteristics: United States, 1985 birth cohort. *Vital and Health Statistics, 20* (24). Hyattsville, MD: National Center for Health Statistics. MacDorman, M.F. and Atkinson, J.O. (1998). Infant mortality statistics from the linked birth/infant death data set–1995 period data. *Monthly Vital Statistics Report, 46* (6, Supplement 2). Hyattsville, MD: National Center for Health Statistics.

⁵⁸ Peters, K.D., Kochanek, K.D., and Murphy, S.L. (1998). Deaths: Final data for 1996. *National Vital Statistics Reports*, 47 (9).

⁵⁹ Ventura, S.J., Anderson, R.N., Martin, J.A., and Smith, B.L. (1998). Births and deaths: Preliminary data for 1997. *National Vital Statistics Reports*, 47 (4). Hyattsville, MD: National Center for Health Statistics.

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⁶¹ Unpublished NCHS estimates.

⁶² Klerman, L.V. (1993). Adolescent pregnancy and parenting: Controversies of the past and lessons for the future. *Journal of Adolescent Health*, *14*, 553-561.

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