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of CDC Surveillance

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Foreword

The purpose of the *CDC Surveillance Summaries* is to make available the most current information on conditions of public health interest for which CDC has major responsibility. The *CDC Surveillance Summaries* provide detailed analysis of the most current available data obtained for CDC surveillance programs. These reports complement other data published by CDC in the *Morbidity and Mortality Weekly Report (MMWR)*, the *MMWR Annual Summary*, and various disease-surveillance reports. This volume contains epidemiologic information derived from surveillance forms, special investigations, and other sources of information collected at the state and national levels.

History of CDC Surveillance Activities

CDC has been actively involved in disease-surveillance activities since the formation of the Communicable Disease Center in 1946. The original scope of the National Surveillance Program included the study of malaria, murine typhus, smallpox, psittacosis, diphtheria, leprosy, and sylvatic plague. In 1954, a surveillance section was established within the Epidemiology Branch of CDC, primarily concerned with planning and conducting continuing surveillance and making periodic reports. National emergencies such as the Asian influenza pandemic and the discovery of Legionnaires' disease have prompted the involvement of CDC in new surveillance activities. Over the years the surveillance activities of CDC have expanded to include not only new areas in infectious disease but also programs in human reproduction, environmental health, chronic disease, risk reduction, and occupational safety and health. Ongoing evaluation of these programs has led to new methods of data collection and analysis and has prompted examination of how data are disseminated to the public health community.

In 1980 and 1981, a survey of CDC staff and state epidemiologists suggested that improved coordination of surveillance reports with the *MMWR* and the *MMWR Annual Summary* would facilitate timely publication; provide greater uniformity in the acquisition, evaluation, and reporting of surveillance data; and encourage use of these data. Several approaches to the development of a systematic process of disseminating disease-specific surveillance reports were considered. On the basis of considerations of timeliness, cost advantages, and editorial uniformity, a report published on a quarterly basis was recommended. Subsequent financial and personnel constraints have made it necessary to publish these reports less frequently.

The *CDC Surveillance Summaries* contain information more reflective of the detailed surveillance reports of the past. CDC hopes that the *Surveillance Summaries* will disseminate surveillance data on a regular schedule, improve the clarity of community public health information, and also produce a cost savings. Although the *CDC Surveillance Summaries* are published more often than once a year, they will typically contain annual data rather than interim data. The *MMWR Annual Summary* will complement rather than serve as the cumulative summary of the *Surveillance Summaries*.

Data Sources

Data on the reported occurrence of notifiable diseases are derived from reports supplied by the state and territorial departments of health and CDC program activities. These data are routinely published in the *MMWR* and compiled in final form in the *MMWR Annual Summary*.

CDC also maintains national surveillance programs for selected diseases — with the cooperation of state and local health departments and other federal agencies — and publishes detailed epidemiologic analyses periodically. Data appearing in the *CDC Surveillance Summaries* or in a surveillance report may not agree exactly with reports published in the *MMWR* because of differences in timing of reports or because of refinements in case definition. It should be noted that data collected for the *MMWR* and the more detailed data published by individual CDC programs are collected independently.

These data should be interpreted with caution. Some diseases that cause severe clinical illness and are associated with serious consequences are probably reported quite accurately. However, diseases that are clinically mild and infrequently associated with serious consequences are less likely to be reported. Additionally, subclinical cases are seldom detected except in the course of epidemic investigations or special studies. The degree of completeness of reporting is also influenced by the diagnostic facilities available, the control measures in effect, and the interests and priorities of state and local officials responsible for disease control and surveillance. Finally, factors such as the introduction of new diagnostic tests and the discovery of new disease entities may cause changes in disease reporting independent of the true incidence of disease. Despite these limitations, the data in these reports have proven to be useful in the analysis of trends.

Surveillance Programs, CDC

| Surveillance program | Responsible unit | Most recent report/summary* |
|---|---|---|
| Abortion | Division of Reproductive Health Center for Health Promotion and Education | 1987 (SS 36/1) (data from 1982-1983) |
| Alcohol | Division of Surveillance and Epidemiologic Studies Epidemiology Program Office | 1986 (SS 35/2) (data from 1980-1983) |
| Behavioral risk factors | Division of Nutrition Center for Health Promotion and Education | 1984 (SS 33/1) (data from 1981-1983) |
| Berylliosis cohorts: registry of disease and exposure | Surveillance Branch Division of Surveillance, Hazard Evaluations, and Field Studies National Institute for Occupational Safety and Health | March 1983 (data from 1951-1980) |
| Biologics | Data Management Branch Division of Immunization Center for Prevention Services | December 1982 (1982 data) |
| Botulism | Enteric Diseases Branch Division of Bacterial Diseases Center for Infectious Diseases | May 1979 (data from 1899-1977) |
| Brucellosis | Bacterial Zoonoses Activity Division of Bacterial Diseases Center for Infectious Diseases | June 1979 (1978 data) |
| Cancers, endometrial and ovarian | Epidemiologic Studies Branch Division of Reproductive Health Center for Health Promotion and Education | 1986 (SS 35/2) (data from 1973-1981) |
| Congenital malformations | Division of Birth Defects and Developmental Disabilities Center for Environmental Health | September 1985 (data from 1981-1983) |
| Deaths, 15 leading causes | Health Analysis and Planning for Preventive Services Center for Prevention Services | September 1982 (1978 data) |
| Dengue | Dengue Branch Division of Vector-Borne Viral Diseases Center for Infectious Diseases | 1985 (SS 34/2) (data from 1983-1984) |
| Diabetes | Division of Diabetes Control Center for Prevention Services | June 1979 (1978 data) |

*Publications denoted by "SS" appeared in issues of *CDC Surveillance Summaries*. Other reports listed can be obtained by contacting the responsible administrative unit listed.

Surveillance Programs, CDC

| Surveillance program | Responsible unit | Most recent report/summary* |
|--|---|---|
| Diphtheria | Surveillance, Investigations, and Research Branch Division of Immunization Center for Prevention Services | July 1978 (data from 1971-1975) |
| Drinking and driving and binge drinking | Division of Nutrition Center for Health Promotion and Education | January 1987 (data for 1982 and 1985) |
| Drinking, heavier | Division of Nutrition Center for Health Promotion and Education | February 1987 (1985 data) |
| Encephalitis | Arbovirus Reference Branch Division of Vector-Borne Viral Diseases Center for Infectious Diseases | May 1981 (1978 data) |
| Enterovirus | Respiratory and Enterovirus Branch Division of Viral Diseases Center for Infectious Diseases | November 1981 (data from 1970-1979) |
| Foodborne disease | Enteric Diseases Branch Division of Bacterial Diseases Center for Infectious Diseases | 1986 (SS 35/1) (1982 data) |
| Gonorrhea (See also Venereal disease) | Division of Sexually Transmitted Diseases Center for Prevention Services | 1984 (SS 33/4) (data from 1983-1984) |
| Hepatitis | Hepatitis Branch Division of Viral Diseases Center for Infectious Diseases | March 1986 (data from 1984) |
| Homicide | Division of Epidemiology and Control Center for Environmental Health | May 1983 (SS 32/2) (data from 1970-1978) |
| Homicide, high-risk racial and ethnic groups | Division of Epidemiology and Control Center for Environmental Health | November 1986 (data from 1970-1983) |
| Hysterectomy | Epidemiologic Studies Branch Division of Reproductive Health Center for Health Promotion and Education | 1986 (SS 35/1) (data from 1981-1982) |
| Immunization survey | Surveillance, Investigations, and Research Branch Division of Immunization Center for Prevention Services | April 1983 (data from 1979-1982) |
| Infections, nosocomial | National Nosocomial Infections Surveillance System Hospital Infections Program Center for Infectious Diseases | 1986 (SS 35/1) (1984 data) |

*Publications denoted by "SS" appeared in issues of *CDC Surveillance Summaries*. Other reports listed can be obtained by contacting the responsible administrative unit listed.

Surveillance Programs, CDC

| Surveillance program | Responsible unit | Most recent report/summary* |
|--|---|---|
| Influenza | Influenza Branch Division of Viral Diseases Center for Infectious Diseases | July 1984 (data from 1983-1984) |
| Injury, National Electronic Injury Surveillance System | Safety Surveillance Branch Division of Safety Research National Institute for Occupational Safety and Health | May 1983 (SS 32/2) (1982 data) |
| Lead poisoning in workers | Surveillance Branch Division of Surveillance, Hazard Evaluations, and Field Studies National Institute for Occupational Safety and Health | April 1983 (data from 1976-1980) |
| Leprosy | Respiratory and Special Pathogens Branch Division of Bacterial Diseases Center for Infectious Diseases | April 1976 (data from 1971-1973) |
| Leptospirosis | Bacterial Zoonoses Activity Division of Bacterial Diseases Center for Infectious Diseases | August 1979 (1978 data) |
| Malaria | Malaria Branch Division of Parasitic Diseases Center for Infectious Diseases | September 1986 (1985 data) |
| Measles | Surveillance, Investigations, and Research Branch Division of Immunization Center for Prevention Services | September 1982 (data from 1977-1981) |
| Mortality, infant | Division of Reproductive Health Center for Health Promotion and Education | May 1986 |
| Mortality, maternal | Division of Reproductive Health Center for Health Promotion and Education | 1984 (SS 33/1) (data from 1974-1978) |
| Mumps | Surveillance, Investigations, and Research Branch Division of Immunization Center for Prevention Services | July 1984 (data from 1977-1982) |
| National Occupational Hazard Survey (NOHS) | Surveillance Branch Division of Surveillance, Hazard Evaluations, and Field Studies National Institute for Occupational Safety and Health | October 1983 NIOSH Technical Report DHHS (NIOSH) Pub. No. 83-117 |
| National Occupational Health Survey of Mining | Division of Respiratory Disease Studies National Institute for Occupational Safety and Health | 1986 (SS 35/2) (data through 1985) |

*Publications denoted by "SS" appeared in issues of *CDC Surveillance Summaries*. Other reports listed can be obtained by contacting the responsible administrative unit listed.

Surveillance Programs, CDC

| Surveillance program | Responsible unit | Most recent report/summary* |
|---|---|--|
| Nutrition | Division of Nutrition Center for Health Promotion and Education | August 1985 (1983 data) |
| Nutrition, pediatric | Division of Nutrition Center for Health Promotion and Education | 1983 (SS 32/4) (1982 data) |
| Occupational characteristics of disabled workers | Surveillance Branch Division of Surveillance, Hazard Evaluations, and Field Studies National Institute for Occupational Safety and Health | July 1980 (data from 1969-1978) |
| Occupational hazard surveillance | Surveillance Branch Division of Surveillance, Hazard Evaluations, and Field Studies National Institute for Occupational Safety and Health | 1985 (SS 34/2) (data from 1970-1982) |
| Occupational injuries among loggers | Safety Surveillance Branch Division of Safety Research National Institute for Occupational Safety and Health | August 1983 (SS 32/3) (data from 1969-1974) |
| Occupational injuries in the meatpacking industry | Safety Surveillance Branch Division of Safety Research National Institute for Occupational Safety and Health | 1985 (SS 34/1) (data from 1976-1981) |
| Occupational mortality in Washington State | Surveillance Branch Division of Surveillance, Hazard Evaluations, and Field Studies National Institute for Occupational Safety and Health | DHHS (NIOSH) Pub. No. 83-116 (data from 1950-1979) |
| Pelvic inflammatory disease | Division of Sexually Transmitted Diseases Center for Prevention Services | 1983 (SS 32/4) (data from 1965-1982) |
| Plague | Plague Branch Division of Vector-Borne Viral Diseases Center for Infectious Diseases | 1985 (SS 34/2) (1984 data) |
| Pneumoconiosis, coal workers | Epidemiological Investigations Branch Division of Respiratory Disease Studies National Institute for Occupational Safety and Health | 1985 (SS 34/1) (data from 1970-1981) |
| Poliomyelitis | Surveillance, Investigations, and Research Branch Division of Immunization Center for Prevention Services | December 1982 (data from 1980-1981) |

*Publications denoted by "SS" appeared in issues of *CDC Surveillance Summaries*. Other reports listed can be obtained by contacting the responsible administrative unit listed.

Surveillance Programs, CDC

| Surveillance program | Responsible unit | Most recent report/summary* |
|--|---|---|
| Pregnancy and fertility, teenage | Division of Reproductive Health Center for Health Promotion and Education | 1987 (SS 36/1) (data for 1970, 1974, and 1980) |
| Pregnancy, ectopic | Division of Reproductive Health Center for Health Promotion and Education | 1986 (SS 35/2) (data from 1970-1983) |
| Psittacosis | Bacterial Zoonoses Activity Division of Bacterial Diseases Center for Infectious Diseases | February 1983 (SS 32/1) (1979 data) |
| Rabies | Viral and Rickettsial Zoonoses Branch Division of Viral Diseases Center for Infectious Diseases | December 1986 (1985 data) |
| Reye syndrome | Epidemiology Office Division of Viral Diseases Center for Infectious Diseases | April 1986 (data through 1985) |
| Rickettsial disease (RMSF, murine typhus, Q fever, endemic typhus) | Viral and Rickettsial Zoonoses Branch Division of Viral Diseases Center for Infectious Diseases | May 1981 (1979 data) |
| Rocky mountain spotted fever | Viral and Rickettsial Zoonoses Branch Division of Viral Diseases Center for Infectious Diseases | 1984 (SS 33/3) (data from 1981-1983) |
| Rubella | Surveillance, Investigations, and Research Branch Division of Immunization Center for Prevention Services | 1984 (SS 33/4) (1983 data) |
| <i>Salmonella</i> | Enteric Diseases Branch Division of Bacterial Diseases Center for Infectious Diseases | December 1982 (1980 data) |
| Sentinel health event (SHE), occupational | Surveillance Branch Division of Surveillance, Hazard Evaluations, and Field Studies National Institute for Occupational Safety and Health | September 1983 |
| Smoking | Office on Smoking and Health Center for Health Promotion and Education | 1986 (National Status Report) |
| Sudden unexplained death syndrome, Southeast Asian refugees | Division of Environmental Hazards and Health Effects Center for Environmental Health | 1987 (SS 36/1) (data from 1975-1986) |

*Publications denoted by "SS" appeared in issues of *CDC Surveillance Summaries*. Other reports listed can be obtained by contacting the responsible administrative unit listed.

Surveillance Programs, CDC

| Surveillance program | Responsible unit | Most recent report/summary* |
|---|--|--|
| Suicide, all ages | Division of Injury Epidemiology and Control Center for Environmental Health | April 1985 (data from 1970-1980) |
| Suicide, youth | Division of Injury Epidemiology and Control Center for Environmental Health | November 1986 (data from 1970-1980) |
| Summer mortality | Division of Environmental Hazards and Health Effects Center for Environmental Health | February 1983 (SS 32/1) (data from 1979-1981) |
| Surgical sterilization | Epidemiologic Studies Branch Division of Reproductive Health Center for Health Promotion and Education | August 1983 (SS 32/3) (data from 1979-1980) |
| Toxic-shock syndrome | Respiratory and Special Pathogens Branch Division of Bacterial Diseases Center for Infectious Diseases | 1984 (SS 33/3) (data from 1960-1984) |
| Trichinosis | Helminthic Diseases Branch Division of Parasitic Diseases Center for Infectious Diseases | 1986 (SS 35/2) (1984 data) |
| Tuberculosis | Division of Tuberculosis Control Center for Prevention Services | July 1985 (1984 data) TB Statistics: States & Cities November 1983 (1980 data) TB in the United States |
| Venereal disease (See also Gonorrhoea) | Division of Sexually Transmitted Diseases Center for Prevention Services | (1980 data) Sexually Transmitted Diseases Statistical Letter, No. 130 (data from 1978-1979) STD Fact Sheet, Edition 35 |
| Water-related disease outbreaks | Enteric Diseases Branch Division of Bacterial Diseases Center for Infectious Diseases | September 1984 (1983 data) |

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Teenage Pregnancy and Fertility in the United States, 1970, 1974, and 1980

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Introduction

Despite the decline in fertility rates among U.S. females 15-19 years of age during the past decade, these rates remain among the highest in the developed world (1). The adverse medical and social consequences of teenage childbearing make this an issue of public concern. In 1978, CDC published an analysis of data on teenage fertility (live births) in the United States for the years 1960, 1970, and 1974 (2). This current report is a preliminary analysis of data reflecting changes that occurred in teenage fertility between 1970 and 1980, as well as changes that occurred in teenage pregnancy (live births plus induced abortions) between 1974 and 1980. A complete surveillance report on these subjects will be issued soon.

In this report, the epidemiology of teenage fertility, as characterized by race and marital status, is described for all females and for sexually experienced females (those who have ever had sexual intercourse) ages 15-19 within each state and U.S. Department of Health and Human Services (HHS) region. Since not all births to females in this age group are unintended, estimates of intended and unintended fertility rates are included. Pregnancy rates are reported by race for all females and for sexually experienced females ages 15-19 within each state and HHS region. Trends in pregnancy and fertility rates among females 12-14 years of age are reported by race for 1974 and 1980. A comparison is drawn between current trends in teenage fertility and the 1990 Family Planning Objectives for the Nation (3).

Between 1974 and 1980, the pregnancy rate for all females ages 15-19 increased by 8.2%. However, the rate for sexually experienced females declined from 204.5 pregnancies per 1,000 sexually experienced females to 192.8 — a decrease of 5.7%. In the same period, the fertility rate for sexually experienced 15- to 19-year-olds declined by 20.9%, from 146 births per 1,000 to 115.5. The number of pregnancies among females ages 15-19 increased 10.5% from 1974 through 1980, whereas the number of births decreased 7.3%.

Methods

Population estimates for females ages 12-14 and 15-19 used in computing rates for this report were based on Bureau of the Census data collected in 1970 and 1980 (4,5). For 1974, population estimates by state were available only by single year of age 15-19 (6); population estimates by sex and race were obtained by applying the sex and race distribution from the corresponding 1970 cohort to the 1974 total under the assumption that no appreciable change in this distribution had occurred during the intervening 4 years. Because of census-data limitations, racial groups were categorized only as "white" and "black and other" for 1970 (total = "white" plus "black and other") but were available as "white" and "black" for 1974 and 1980 (total = "white" plus "black" plus all other). Since the "black and other" groups for several states included a large proportion of "other," fertility rates for 1970 were compared only for the "total" and "white" categories.

Numbers of unmarried females ages 15-19 in 1970 and 1980 were obtained from Bureau of the Census data on marital status. For 1974, estimates were obtained by multiplying the 1974 estimated total number of females ages 15-19 by the percentage of unmarried females in this age group in 1970 (2). For 1980, the number of unmarried females ages 15-19 obtained from the 1980 census was adjusted at CDC to be consistent with 1970 race classifications. A detailed explanation of this adjustment procedure will be provided in the complete surveillance report.

Fertility rates for females ages 15-19, defined as the number of live births per 1,000 females, were calculated for 1970, 1974, and 1980; pregnancy rates (live births plus induced abortions per 1,000 females) are available only for 1974 and 1980. The term "pregnancy," as used in this report, does not include spontaneous abortions or stillbirths. Natality data were obtained from the National Center for Health Statistics (NCHS) annual vital statistics volumes on natality for 1970 and 1974 (7,8) and from the Public Use Natality Data Tape for 1980 (9) (except for New Mexico, where 1980 births by race were based on the age-race distribution provided by that state). Abortion data were obtained from state reports to CDC (10,11). Births were reported by mother's state of residence, and abortions by state of occurrence except for one state (Utah).

For states not reporting abortions by age or marital status, estimates were derived by assuming that the percentage of total abortions occurring to a particular age group or marital-status category was the same as the average percentage for states in the same HHS region with a known distribution. Numbers of births to unmarried females in 1970, 1974, and 1980 were available from NCHS for states reporting marital status on the birth certificate. For states not reporting this information, mother's marital status was generally inferred by comparing the child's and both parents' surnames.

Fertility rates and pregnancy rates for sexually experienced females ages 15-19 (defined as live births per 1,000 sexually experienced females and live births plus induced abortions per 1,000 sexually experienced females, respectively) were calculated for 1974 and 1980. The term "sexually experienced" was defined as ever having had sexual intercourse; married women were assumed to be sexually experienced. The proportion of never-married females ages 15-19 who were sexually experienced was estimated for blacks and for whites by linear interpolation of data from the 1971 and 1976 Zelnik and Kantner adolescent sexuality surveys (12) for 1974 and from the 1976 Zelnik and Kantner survey and the 1982 National Survey of Family Growth (13) for 1980. For all races, an average of these proportions, weighted by the number of unmarried females ages 15-19 in each racial group, was calculated for the U.S. total and for each region and state. For 1974, the estimated proportions of sexually experienced, never-married females ages 15-19 were 28.1% for white females and 58.3% for black females. For 1980, these estimates were 37.4% and 59.3% for white and black females, respectively. Since information on sexual experience among unmarried females was available only for the white and black races, pregnancy and fertility rates for sexually experienced females were calculated only for those states (and the District of Columbia) where fewer than 3% of total births were to females of other races. For 1974, pregnancy and fertility rates for sexually experienced females were available for 40 states and the District of Columbia; for 1980, these rates were available for 37 states and the District of Columbia. State comparisons of high and low pregnancy and fertility rates were limited to states with more than 1,000 females or more than 20 births in the respective age and racial group. Moreover, comparison of state-specific rates for sexually experienced unmarried females included only states with more than 30 births in the age and racial group.

Since 99.6% of all 1980 births to females under 15 years of age occurred to females ages 12-14, pregnancy and fertility rates for the youngest females are reported for ages 12-14, based on births to females under 15 years of age and on the population of females ages 12-14. Rates were calculated by state for 1970 and 1980 only, since the number of females ages 12-14 was not available for each state in 1974. No estimates of sexual experience have been reported for females ages 12-14.

A formula was developed for estimating the component of fertility in females ages 15-19 that was intended. This procedure adjusts for differences in intended fertility among females in various racial and marital-status categories. The methodology used to calculate 1980 estimates of intended fertility differs slightly from the procedure used in 1974 (2) and will be explained in detail in the complete surveillance report. For this report, 1974 estimates were based on the 1971 Zelnik and Kantner adolescent sexuality survey (12) and the unpublished (at time of use) 1972 NCHS National Natality Survey (14); 1980 estimates were obtained from the 1982 National Survey of Family Growth (13). Estimated intended fertility rates (EIFR) for females ages 15-19 were calculated by race and for all races for each state and region and for the total United States; estimated unintended fertility rates (EUFR) were obtained by subtracting the EIFR from the age-specific fertility rate. Numbers of unintended births to females ages 15-19 were also estimated by race for each geographic area.

Results

Pregnancy Trends — Females Ages 15-19: The pregnancy rate for all females ages 15-19 increased from 81.8 pregnancies per 1,000 females in 1974 to 88.5 in 1980, an increase of 8.2% (Table 1). There were 921,696 pregnancies among 15- to 19-year-olds in 1980, an increase of 10.5% from 1974. Among sexually experienced females, the pregnancy rate decreased by 5.7%, from 204.5 to 192.8 (Table 1). Twenty-seven states showed a decline in the pregnancy rate among sexually experienced females, ranging from a 25.7% decrease in New York to a 0.3% decrease in Colorado (Table 2). Although the rates increased in 11 states, from 0.1% in Massachusetts to 13.1% in Florida, the increase was less than 5% in all but three states. In 1980, the pregnancy rate for sexually experienced white females ranged from 107.2 in New Jersey to 252.6 in Nevada (Table 2). Pregnancy rates for sexually experienced black females ranged from 185.9 in South Carolina to 332.8 in California (see Methods section for exclusion criteria used for comparison of high and low state rates).

TABLE 1. Pregnancy rate, fertility rate, estimated intended fertility rate (EIFR), and estimated unintended fertility rate (EUFR) for females 15-19 years of age, United States, 1970, 1974, and 1980

| Females 15-19 years of age | Pregnancy rate* | | | Fertility rate* | | | | EIFR* 1980 | EUFR* 1980 |
|-------------------------------|-----------------|-------|----------|-----------------|-------|-------|-----------------------|---------------|---------------|
| | 1974 | 1980 | % Change | 1970 | 1974 | 1980 | % Change 1974-1980 | | |
| All races | 81.8 | 88.5 | +8.2 | 68.0 | 58.4 | 53.0 | -9.2 | 16.2 | 36.8 |
| White | — | — | — | 57.0 | 48.6 | 45.4 | -6.6 | 14.6 | 30.8 |
| Black | — | — | — | — | 118.2 | 97.9 | -17.2 | 25.7 | 72.2 |
| Sexually experienced | | | | | | | | | |
| All | 204.5 | 192.8 | -5.7 | — | 146.0 | 115.5 | -20.9 | — | — |
| Unmarried | — | — | — | — | 71.6 | 68.0 | -5.0 | — | — |

*Per 1,000 females ages 15-19

TABLE 2. Pregnancy rate,* by race and geographic area, and percentage change in total pregnancy rate for sexually experienced females ages 15-19, United States, 1980

| Geographic area | Pregnancy rate | | | % Change, total |
|-----------------|----------------|---------|---------|-----------------|
| | White † | Black † | Total § | 1974-1980 |
| United States | — | — | 192.8 | -5.7 |
| Region I | — | — | 168.9 | -0.8 |
| Connecticut | — | — | 144.2 | -1.4 |
| Maine | 167.3 | 122.2 | 167.5 | 1.4 |
| Massachusetts | — | — | 183.4 | 0.1 |
| New Hampshire¶ | — | — | 138.0 | -4.4 |
| Rhode Island | — | — | 182.4 | 4.2 |
| Vermont | 188.6 | 63.8 | 187.6 | -13.8 |
| Region II | — | — | 169.2 | -22.4 |
| New Jersey | 107.2 | 223.6 | 136.0 | -9.2 |
| New York | 156.7 | 265.7 | 182.8 | -25.7 |
| Region III | — | — | 190.8 | -4.0 |
| Delaware¶ | — | — | 192.8 | -6.3 |
| D.C. | — | — | 473.3 | 1.5 |
| Maryland | 179.3 | 213.6 | 189.8 | 0.2 |
| Pennsylvania | — | — | 178.3 | -6.2 |
| Virginia | 178.8 | 204.6 | 184.9 | 6.3 |
| West Virginia¶ | — | — | 165.3 | -17.1 |
| Region IV | — | — | 196.8 | -4.0 |
| Alabama¶ | — | — | 188.6 | 1.3 |
| Florida¶ | — | — | 224.0 | 13.1 |
| Georgia | 197.6 | 230.3 | 209.9 | -10.5 |
| Kentucky¶ | — | — | 174.5 | -17.2 |
| Mississippi | 151.5 | 210.2 | 180.3 | -9.0 |
| North Carolina | 174.1 | 213.7 | 188.0 | -10.1 |
| South Carolina | 168.7 | 185.9 | 175.9 | -3.9 |
| Tennessee | 187.9 | 218.5 | 195.1 | -5.8 |
| Region V | — | — | 171.3 | -6.2 |
| Illinois | 160.1 | 263.7 | 184.9 | -1.9 |
| Indiana | 159.8 | 237.8 | 168.7 | -10.4 |
| Michigan | — | — | 171.7 | -8.2 |
| Minnesota | 161.4 | 331.3 | — | — |
| Ohio | 153.8 | 229.2 | 165.8 | -11.1 |
| Wisconsin¶ | — | — | 156.0 | -4.8 |
| Region VI | — | — | 211.7 | -1.4 |
| Arkansas | 173.5 | 220.3 | 184.7 | -11.9 |
| Louisiana | 163.5 | 215.9 | 184.6 | 4.5 |
| New Mexico | 208.3 | 217.3 | — | — |
| Oklahoma | 197.0 | 244.9 | — | — |
| Texas¶ | — | — | 226.9 | -0.4 |
| Region VII | — | — | 174.2 | -7.1 |
| Iowa¶ | — | — | 138.7 | -14.9 |
| Kansas | 203.3 | 281.4 | 209.4 | -14.8 |
| Missouri | 162.8 | 261.4 | 178.8 | 1.0 |
| Nebraska | — | — | 171.2 | -2.6 |
| Region VIII | — | — | — | — |
| Colorado | 201.9 | 240.0 | 203.8 | -0.3 |
| Montana | 172.2 | 181.8 | — | — |
| North Dakota | 167.1 | 157.9 | — | — |
| South Dakota | 135.8 | 254.9 | — | — |
| Utah | 173.4 | 200.6 | 174.7 | 3.5 |
| Wyoming | — | — | — | — |

(Continued on next page)

*Pregnancy rate equals live births plus induced abortions per 1,000 sexually experienced females ages 15-19.

†Abortion data available by both age and race for selected states only; therefore, pregnancy rates by race are not available for some states, regions, and the total United States.

§The Total category includes black, white, and other races. Since information on sexual experience rates was available only for the black and white races, total pregnancy rates for those states and regions that had more than 3% of births to females of races other than white or black were not estimated.

¶Did not report abortions by age in 1980. Estimate is derived by assuming percentage of total abortions occurring to 15- to 19-year-olds is the same as the percentage for known states in the region.

(Continued)

TABLE 2. Pregnancy rate,* by race and geographic area, and percentage change in total pregnancy rate for sexually experienced females ages 15-19, United States, 1980

| Geographic area | Pregnancy rate | | | % Change, total 1974-1980 |
|------------------------|----------------|---------|---------|------------------------------|
| | White † | Black † | Total § | |
| Region IX | — | — | — | — |
| Arizona | 192.9 | 206.2 | — | — |
| California | 243.1 | 332.8 | 245.7 | -3.8 |
| Hawaii | 170.9 | 204.5 | — | — |
| Nevada | 252.6 | 290.3 | — | — |
| Region X | — | — | — | — |
| Alaska | — | — | — | — |
| Idaho | 170.1 | 136.4 | 169.7 | -7.0 |
| Oregon | 222.1 | 270.7 | — | — |
| Washington | — | — | — | — |

*Pregnancy rate equals live births plus induced abortions per 1,000 sexually experienced females ages 15-19.

†Abortion data available by both age and race for selected states only; therefore, pregnancy rates by race are not available for some states, regions, and the total United States.

§The Total category includes black, white, and other races. Since information on sexual experience rates was available only for the black and white races, total pregnancy rates for those states and regions that had more than 3% of births to females of races other than white or black were not estimated.

||Did not report abortions by age in 1980. Estimate is derived by assuming percentage of total abortions occurring to 15- to 19-year-olds is the same as the percentage for known states in the region.

Fertility Trends — Females Ages 15-19: The U.S. fertility rate for all females ages 15-19 declined from 68 births per 1,000 females in 1970 to 58.4 in 1974; by 1980, the rate had declined to 53 (Table 1). Fertility rates for white females declined from 57 in 1970 to 48.6 in 1974 and 45.4 in 1980; the rate for black females decreased from 118.2 in 1974 to 97.9 in 1980. For unmarried women ages 15-19, the fertility rate rose from 22.7 to 27.7 between 1970 and 1980, an increase of 22%.

The fertility rate for sexually experienced females ages 15-19 decreased by 20.9% between 1974 and 1980, from 146 to 115.5 per 1,000 (Table 1). The number of births decreased by 7.3%, from 595,449 to 552,161, and the percentage of all births occurring to 15- to 19-year-olds decreased from 18.8% to 15.3%. Fertility rates for sexually experienced females ages 15-19 declined in all 37 states for which data were available and in the District of Columbia, ranging from a decrease of 34.5% in New Hampshire to 4.6% in Utah (Table 3). For sexually experienced white females, the fertility rate decreased by 21.4% between 1974 and 1980, from 133.7 to 105.1. Although fertility rates for sexually experienced black females were higher than for white females in both 1974 and 1980, the rate for blacks decreased by 15.1% during this period. Again excluding states with <1,000 sexually experienced black females, the highest fertility rate for blacks in 1980 occurred in Wisconsin (207.5) and the lowest rate in Delaware (100.7). For whites, the highest rate occurred in Wyoming (164.2) and the lowest rate in the District of Columbia (43).

Between 1974 and 1980, the fertility rate for sexually experienced unmarried females ages 15-19 decreased slightly, from 71.6 to 68 per 1,000 (Table 1). Whereas the highest state rate in 1974 (District of Columbia — 135) decreased to 104.7 in 1980, the lowest state rate (Utah — 24.3) increased to 50.6 (data not shown). In 1980, Mississippi had the highest fertility rate among sexually experienced unmarried females (115.8), and New Hampshire had the lowest rate (41.1). Whereas the fertility rate for sexually experienced unmarried black females decreased by 8.4% between 1974 and 1980, the rate for white females increased by 9.6%. The highest and lowest rates for black females in 1980 (Wisconsin — 201.5 and Massachusetts — 110.2) were higher than the corresponding rates for white females (New Mexico — 77.7 and District of Columbia — 22.6).

TABLE 3. Fertility rate* and percentage change in fertility rate for sexually experienced females ages 15-19, by race and geographic area, United States, 1980

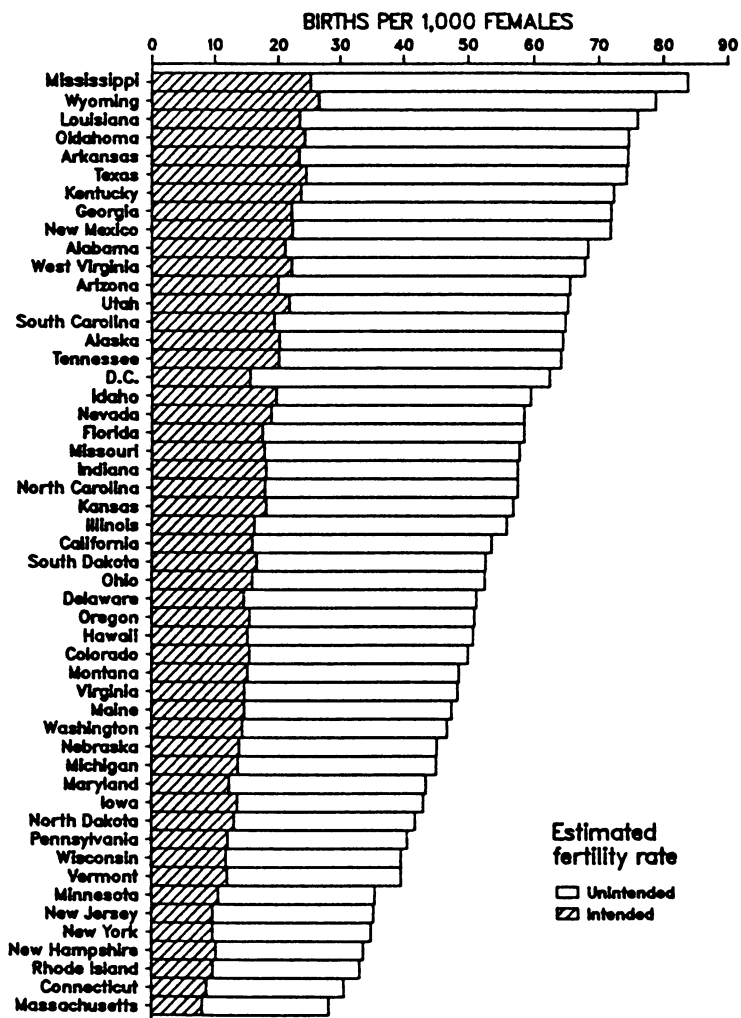
| Geographic area | White | | Black | | Total [†] | |
|-----------------|-------|--------------------|-------|--------------------|--------------------|--------------------|
| | 1980 | % Change 1974-1980 | 1980 | % Change 1974-1980 | 1980 | % Change 1974-1980 |
| United States | 105.1 | -21.4 | 159.7 | -15.1 | 115.5 | -20.9 |
| Region I | 73.0 | -26.9 | 128.3 | -29.2 | 77.0 | -27.2 |
| Connecticut | 62.5 | -22.1 | 141.1 | -26.7 | 73.0 | -23.0 |
| Maine | 112.1 | -23.1 | 100.0 | 68.4 | 112.7 | -22.7 |
| Massachusetts | 65.5 | -27.9 | 115.2 | -31.1 | 69.0 | -28.2 |
| New Hampshire | 82.4 | -34.5 | 53.4 | -49.3 | 82.1 | -34.5 |
| Rhode Island | 74.5 | -32.0 | 153.3 | -32.3 | 80.3 | -31.5 |
| Vermont | 96.5 | -30.2 | 21.3 | -69.1 | 95.8 | -30.5 |
| Region II | 64.8 | -27.1 | 129.9 | -22.2 | 80.2 | -24.8 |
| New Jersey | 60.2 | -26.0 | 156.1 | -20.1 | 81.5 | -23.3 |
| New York | 66.7 | -27.6 | 119.8 | -23.3 | 79.6 | -25.4 |
| Region III | 90.3 | -25.4 | 133.2 | -15.4 | 100.1 | -23.4 |
| Delaware | 89.4 | -26.5 | 100.7 | -13.5 | 113.0 | -21.9 |
| D.C. | 43.0 | -51.5 | 121.6 | -15.4 | 110.9 | -21.0 |
| Maryland | 76.9 | -19.6 | 123.8 | -20.7 | 92.8 | -19.3 |
| Pennsylvania | 85.1 | -27.3 | 143.3 | -16.9 | 93.7 | -26.1 |
| Virginia | 87.6 | -26.0 | 133.2 | -7.9 | 100.5 | -20.8 |
| West Virginia | 144.7 | -27.4 | 123.6 | -29.9 | 143.3 | -28.1 |
| Region IV | 111.6 | -29.6 | 171.2 | -12.8 | 130.5 | -24.3 |
| Alabama | 111.0 | -30.5 | 166.9 | -13.0 | 131.6 | -23.8 |
| Florida | 98.2 | -31.9 | 201.8 | -3.7 | 123.7 | -24.7 |
| Georgia | 115.3 | -25.3 | 176.4 | -11.6 | 138.9 | -19.6 |
| Kentucky | 144.3 | -20.3 | 172.7 | -16.1 | 147.1 | -20.1 |
| Mississippi | 118.1 | -33.1 | 193.8 | -9.6 | 155.4 | -21.4 |
| North Carolina | 97.9 | -33.9 | 141.9 | -22.7 | 113.8 | -30.4 |
| South Carolina | 106.1 | -33.9 | 149.3 | -13.0 | 124.8 | -24.9 |
| Tennessee | 116.7 | -30.5 | 163.0 | -19.2 | 127.8 | -28.0 |
| Region V | 99.1 | -24.3 | 175.8 | -14.6 | 111.3 | -23.0 |
| Illinois | 99.2 | -18.8 | 197.6 | -8.9 | 122.0 | -16.8 |
| Indiana | 119.2 | -26.9 | 179.6 | -13.2 | 126.0 | -25.4 |
| Michigan | 90.5 | -29.2 | 149.2 | -26.9 | 101.5 | -29.2 |
| Minnesota | 81.7 | -20.4 | 184.7 | -19.5 | — | — |
| Ohio | 108.5 | -23.9 | 160.6 | -13.2 | 116.5 | -22.5 |
| Wisconsin | 85.4 | -24.4 | 207.5 | -14.5 | 94.8 | -23.2 |
| Region VI | 141.7 | -18.1 | 178.4 | -8.7 | 149.7 | -16.8 |
| Arkansas | 131.6 | -30.6 | 191.3 | -9.3 | 146.3 | -25.4 |
| Louisiana | 123.5 | -19.8 | 176.1 | -5.9 | 145.1 | -14.3 |
| New Mexico | 152.3 | -13.8 | 159.1 | -10.5 | — | — |
| Oklahoma | 141.5 | -15.5 | 197.7 | -11.6 | — | — |
| Texas | 146.7 | -16.7 | 175.4 | -9.8 | 150.7 | -16.0 |
| Region VII | 108.0 | -19.5 | 187.2 | -6.3 | 116.3 | -18.5 |
| Iowa | 98.3 | -23.3 | 192.9 | -12.2 | 100.8 | -23.1 |
| Kansas | 117.7 | -13.8 | 191.1 | -3.2 | 124.5 | -13.1 |
| Missouri | 112.6 | -19.6 | 186.0 | -6.6 | 124.4 | -18.1 |
| Nebraska | 99.1 | -20.1 | 183.6 | -6.6 | 105.2 | -19.8 |
| Region VIII | 119.0 | -16.4 | 132.8 | -26.7 | — | — |
| Colorado | 112.4 | -19.9 | 135.1 | -23.5 | 113.7 | -20.3 |
| Montana | 101.6 | -27.2 | 90.9 | -58.5 | — | — |
| North Dakota | 88.1 | -27.7 | 105.3 | -57.9 | — | — |
| South Dakota | 103.5 | -26.3 | 176.5 | 55.9 | — | — |
| Utah | 143.8 | -2.6 | 119.1 | -48.8 | 142.6 | -4.6 |
| Wyoming | 164.2 | -8.9 | 117.1 | -31.7 | — | — |
| Region IX | 124.4 | -7.5 | 136.1 | -24.3 | — | — |
| Arizona | 138.6 | -21.0 | 164.6 | -29.1 | — | — |
| California | 123.4 | -5.5 | 133.3 | -23.4 | 119.5 | -11.9 |
| Hawaii | 94.2 | -3.8 | 143.8 | -50.2 | — | — |
| Nevada | 116.4 | -12.8 | 198.3 | -35.0 | — | — |
| Region X | 113.7 | -11.9 | 138.2 | -28.8 | — | — |
| Alaska | 119.4 | 16.7 | 127.5 | -23.7 | — | — |
| Idaho | 132.1 | -18.7 | 75.8 | -35.5 | 131.7 | -19.7 |
| Oregon | 116.1 | -13.2 | 165.0 | -25.6 | — | — |
| Washington | 106.7 | -11.1 | 131.0 | -30.8 | — | — |

*Fertility rate equals live births per 1,000 sexually experienced females ages 15-19.

[†]The Total category includes black, white, and other races. Since information on sexual experience rates was available only for the black and white races, total fertility rates for those states and regions that had more than 3% of births to females of races other than white or black were not estimated.

Intended and Unintended Fertility — Females Ages 15-19: The EIFR for females ages 15-19 decreased from 31.6 intended births per 1,000 females in 1974 (2) to 16.2 in 1980 (Table 1). The EUFR in 1980 was 36.8 per 1,000. Between 1974 and 1980, the estimated number of unintended births increased by 40.3%, from 273,063 to 383,188. The EIFR for black females in 1980 (25.7) was 1.8 times higher than the rate for white females (14.6); the EUFR for blacks (72.2) was also higher than the EUFR for whites (30.8) (Table 1). Among individual states, the EIFR ranged from eight in Massachusetts to 26.6 in Wyoming (Figure 1). Among states with at least 1,000 black females ages 15-19, the EIFR for blacks ranged from 17.5 in Massachusetts to 34.1 in Nevada. The EIFR for whites ranged from 4.9 in the District of Columbia to 26.5 in Wyoming (data not shown).

FIGURE 1. Fertility rates* in descending order for females ages 15-19, by state, United States, 1980



*Estimated unintended fertility rate = age-specific fertility rate - estimated intended fertility rate

Pregnancy and Fertility Trends — Females Ages 12-14: The pregnancy rate for females 12-14 years rose from 3.9 to 4.3 per 1,000 between 1974 and 1980. However, the number of pregnancies to females <15 years during this period decreased from 24,128 to 23,010, reflecting the decreasing number of persons in this age group. Although the fertility rate (1.9 births per 1,000 females ages 12-14) did not change between 1970 and 1980, the number of births to females <15 years decreased from 12,529 in 1974 to 10,169 in 1980, and the percentage of all births occurring to females <15 years decreased from 0.4% to 0.3%. Numbers of births decreased in 41 states and in the District of Columbia, increased in eight states, and remained the same in one state. Excluding states with ≤ 20 births to females <15 years, the highest fertility rate in 1970 occurred in the District of Columbia (10.6) and was 26.5 times higher than the lowest state rate (Massachusetts — 0.4). In 1980, the rate in the District of Columbia (at 6.3 still the highest) was 12.6 times higher than the lowest rates, found in Massachusetts and Minnesota (0.5). The fertility rate for white females ages 12-14 increased from 0.8 to 1 per 1,000 between 1970 and 1980. In 1980, the highest rate for white females occurred in Texas (2.1) and the lowest rate in Minnesota (0.3). The fertility rate for black females in 1980 was 7.1, a decrease of 15.5% from 1974 (6,8). The 1980 rates for black females ranged from 11.5 in Mississippi to 3.1 in Massachusetts.

Discussion

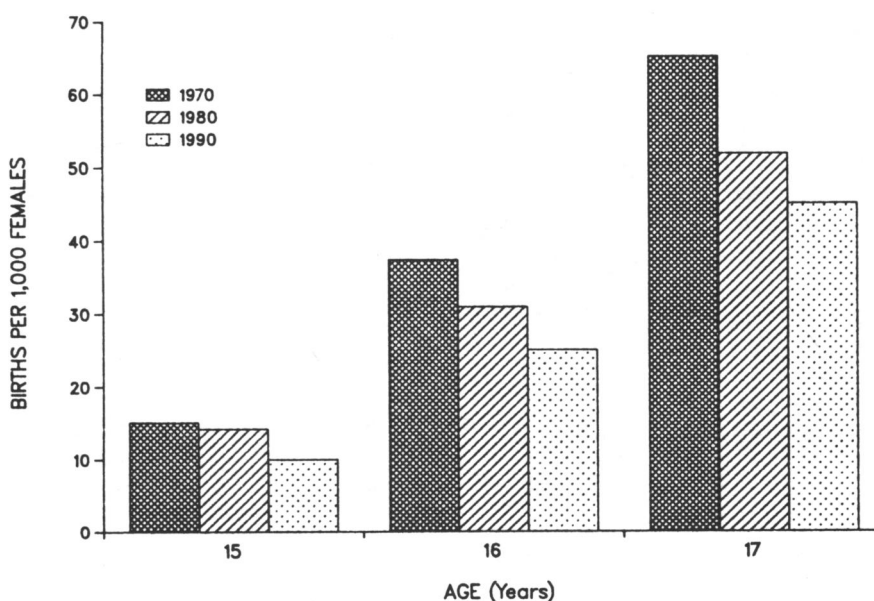
During the past decade, fertility rates declined for all females ages 15-19, as well as for sexually experienced females. Whereas the pregnancy rate for sexually experienced females also decreased between 1974 and 1980, the pregnancy rate for all females ages 15-19 increased. The increase in the pregnancy rate among all females probably reflects the increase in the percentage of never-married 15- to 19-year-olds with premarital sexual experience, from 26.8% in 1971 to 42.8% in 1982 (12,13). Thus, analyses of pregnancy and fertility trends may be misleading if the extent of sexual experience is not considered. Because estimates of sexual experience were not available for females ages 12-14 years, trends in pregnancy rates and fertility rates for this age group were based only on the total population of females ages 12-14 years.

State-specific pregnancy and fertility rates for females ages 15-19 varied considerably. In 1980, for example, the pregnancy rate in Nevada for this age group (118.1) was more than two times the rate in New Hampshire (56.4). Within states, pregnancy and fertility rates for black females were generally higher than for white females; the EUFR for black females in 1980 was also more than twice that for white females. Knowledge of teenage pregnancy and fertility rates, including unintended fertility rates, for females with different demographic characteristics may enable program planners to 1) identify specific target populations, 2) develop appropriate strategies for family planning, and 3) evaluate these strategies.

Since CDC's use of the term "pregnancy" does not include spontaneous abortions or stillbirths, pregnancy rates reported here may be lower than rates released by NCHS (15) or by individual states whose definition of pregnancy may include estimates of spontaneous abortions and stillbirths. Analyses of temporal trends in pregnancy and fertility should not be affected by the use of this definition, since it is unlikely that the national percentage of pregnancies resulting in spontaneous abortions or stillbirths would have changed significantly from 1974 through 1980 or that the percentage of these events varies markedly from state to state. Because births were reported by mother's state of residence and abortions by state of occurrence, state-specific pregnancy rates may also be slightly underestimated or overestimated. Underestimation may occur for states where a large number of abortions are obtained outside the state of residence, and corresponding overestimation may occur for states that report abortions for a large number of nonresidents.

The Family Planning Objectives for the Nation specify that by 1990, there should be no unintended births to females <15 years of age (3). According to the Objectives, age-specific fertility rates for 15-, 16-, and 17-year-olds should decrease to 10, 25, and 45 births per 1,000 females, respectively. Between 1970 and 1980, the fertility rate for 15-year-old females decreased from 15.1 to 14.2; fertility rates for 16- and 17-year-old females decreased from 37.4 to 30.9 and from 65.1 to 51.8, respectively (Figure 2). Although it is not certain that the Objectives for the Nation will be reached by 1990, the decline in age-specific fertility rates since 1970 suggests progress toward that goal. Between 1980 and 1990, the absolute numbers of females ages 12-14 and 15-19 are expected to decline by 11.1% and 20.2%, respectively (16). Even if age-specific fertility rates remain constant, the proportion of all births occurring to females <20 years of age is expected to decline from the 15.6% reported in 1980 to 11.8% of total births in 1990 (16).

FIGURE 2. Fertility rates, by age and year, United States, 1970, 1980, and 1990*



*Per 1990 Objectives for the Nation

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Abortion Surveillance, 1982-1983

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Introduction

In 1969, CDC began abortion surveillance to document the number and characteristics of women obtaining abortions and to assist in the effort to eliminate preventable morbidity and mortality associated with abortion. This report presents abortion data reported to CDC for 1982 and 1983.

Materials and Methods

For 1982 and 1983, CDC received statistics from 52 reporting areas: 49 states, upstate New York, New York City, and the District of Columbia. Data were reported by central health agencies in 46 of the reporting areas and by hospitals and other medical facilities in the other six. The total number of abortions was available from each reporting area; however, information on the characteristics of women obtaining abortions varied: 35 reporting areas provided information on previous live births, whereas 41 provided information on age (Tables 1 and 2). Percentage distributions of women obtaining abortion by various characteristics in Table 1 were calculated after the unknowns were excluded.

All abortion-related deaths that are reported to CDC are investigated by medical epidemiologists to determine the type of abortion, the cause of death, and possible preventable factors. Deaths are first classified as abortion related or not abortion related. Abortion-related deaths are further classified into induced (legally or illegally) abortion-related or spontaneous abortion-related deaths. All classifications are based on available information obtained from death certificates, medical records, and autopsy reports. Since the beginning of abortion mortality surveillance in 1972, most abortion-related deaths have been reported by state health departments. About one-third of the deaths have been identified through other sources, including the National Center for Health Statistics, maternal mortality committees, the Commission on Professional and Hospital Activities, case histories published in professional journals, and private sources.

Results

In 1982, a total of 1,303,980 legal abortions were reported; in 1983, a total of 1,268,987 were reported. This is the first time since 1969 that the number has decreased from the previous year. The national abortion rate decreased from 24 abortions/1,000 women ages 15 to 44 in 1982 to 23/1,000 in 1983. The abortion ratio also decreased — from 354 abortions/1,000 live births in 1982 to 349/1,000 in 1983 (Table 1, Figure 1).

For 1982 and 1983, California had the highest number of abortions, followed by New York City and Texas. Wyoming had 698 abortions in 1982 and 711 in 1983, the lowest numbers reported for those years. The abortion rate ranged from 6 abortions/1,000 women ages 15 to 44 in West Virginia and Wyoming to >100 in the District of Columbia in 1982 and 1983. The abortion ratio was highest in the District of Columbia and New York City (the only cities that are reporting areas) and lowest in Wyoming and Utah for both years.

TABLE 1. Characteristics of women obtaining abortions, United States, 1972-1983

| Characteristics | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|------------------|
| Reported number of legal abortions | 586,760 | 615,831 | 763,476 | 854,853 | 988,267 | 1,079,430 | 1,157,776 | 1,251,921 | 1,297,606 | 1,300,760 | 1,303,980 | 1,268,987 |
| Ratio* | 180.1 | 196.3 | 241.6 | 271.9 | 312.0 | 324.5 | 347.3 | 358.3 | 359.2 | 358.4 | 354.3 | 348.7 |
| Rate† | 13 | 14 | 17 | 18 | 21 | 22 | 23 | 24 | 25 | 24 | 24 | 23 |
| Percentage Distribution§ | | | | | | | | | | | | |
| Residence | | | | | | | | | | | | |
| Abortion in-state | 56.2 | 74.8 | 86.6 | 89.2 | 90.0 | 90.0 | 89.3 | 90.0 | 92.6 | 92.5 | 92.9 | 93.3 |
| Abortion out-of-state | 43.8 | 25.2 | 13.4 | 10.8 | 10.0 | 10.0 | 10.7 | 10.0 | 7.4 | 7.5 | 7.1 | 6.7 |
| Age (years) | | | | | | | | | | | | |
| ≤19 | 32.6 | 32.7 | 32.7 | 33.1 | 32.1 | 30.8 | 30.0 | 30.0 | 29.2 | 28.0 | 27.1 | 27.1 |
| 20-24 | 32.5 | 32.0 | 31.8 | 31.9 | 33.3 | 34.5 | 35.0 | 35.4 | 35.5 | 35.3 | 35.1 | 34.7 |
| ≥25 | 34.9 | 35.3 | 35.6 | 35.0 | 34.6 | 34.7 | 34.9 | 34.6 | 35.3 | 36.7 | 37.8 | 38.2 |
| Race | | | | | | | | | | | | |
| White | 77.0 | 72.5 | 69.7 | 67.8 | 66.6 | 66.4 | 67.0 | 68.9 | 69.9 | 69.9 | 68.5 | 67.6 |
| Black and other | 23.0 | 27.5 | 30.3 | 32.2 | 33.4 | 33.6 | 33.0 | 31.1 | 30.1 | 30.1 | 31.5 | 32.4 |
| Marital status | | | | | | | | | | | | |
| Married | 29.7 | 27.4 | 27.4 | 26.1 | 24.6 | 24.3 | 26.4 | 24.7 | 23.1 | 22.1 | 22.0 | 21.4 |
| Unmarried | 70.3 | 72.6 | 72.6 | 73.9 | 75.4 | 75.7 | 73.6 | 75.3 | 76.9 | 77.9 | 78.0 | 78.6 |
| Number of live births | | | | | | | | | | | | |
| 0 | 49.4 | 48.6 | 47.8 | 47.1 | 47.7 | 53.4 | 56.6 | 58.1 | 58.4 | 58.3 | 57.8 | 57.1 |
| 1 | 18.2 | 18.8 | 19.6 | 20.2 | 20.7 | 19.1 | 19.2 | 19.1 | 19.5 | 19.7 | 20.3 | 20.7 |
| 2 | 13.3 | 14.2 | 14.8 | 15.5 | 15.4 | 14.4 | 14.1 | 13.8 | 13.7 | 13.7 | 13.9 | 14.2 |
| 3 | 8.7 | 8.7 | 8.7 | 8.7 | 8.3 | 7.0 | 5.9 | 5.5 | 5.3 | 5.3 | 5.1 | 5.2 |
| ≥4 | 10.4 | 9.7 | 9.0 | 8.6 | 7.9 | 6.2 | 4.2 | 3.5 | 3.2 | 3.0 | 2.9 | 2.8 |
| Type of procedure | | | | | | | | | | | | |
| Curettage | 88.6 | 88.4 | 89.7 | 90.9 | 92.8 | 93.8 | 94.6 | 95.0 | 95.5 | 96.1 | 96.4 | 96.8 |
| <i>Suction curettage</i> | 65.2 | 74.9 | 77.4 | 82.5 | 82.6 | 90.8 | 90.2 | 91.3 | 89.8 | 90.4 | 90.6 | 91.1 |
| <i>Sharp curettage</i> | 23.4 | 13.5 | 12.3 | 8.4 | 10.2 | 3.0 | 4.4 | 3.7 | 5.7 | 5.7 | 5.8 | 5.7 |
| Intrauterine instillation | 10.4 | 10.4 | 7.8 | 6.2 | 6.0 | 5.4 | 3.9 | 3.3 | 3.1 | 2.8 | 2.5 | 2.1 |
| Hysterotomy/hysterectomy | 0.6 | 0.7 | 0.6 | 0.4 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 ^f | 0.0 ^f |
| Other | 0.5 | 0.6 | 1.9 | 2.4 | 0.9 | 0.7 | 1.4 | 1.6 | 1.3 | 1.0 | 1.0 | 1.1 |

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TABLE 1. Characteristics of women obtaining abortions, United States, 1972-1983 — Continued

| Characteristics | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Weeks of gestation | | | | | | | | | | | | |
| ≤8 | 34.0 | 36.1 | 42.6 | 44.6 | 47.0 | 51.2 | 52.2 | 52.1 | 51.7 | 51.2 | 50.6 | 49.7 |
| 9-10 | 30.7 | 29.4 | 28.7 | 28.4 | 28.0 | 27.2 | 26.9 | 27.0 | 26.2 | 26.8 | 26.7 | 26.8 |
| 11-12 | 17.5 | 17.9 | 15.4 | 14.9 | 14.4 | 13.1 | 12.3 | 12.5 | 12.2 | 12.1 | 12.4 | 12.8 |
| 13-15 | 8.4 | 6.9 | 5.5 | 5.0 | 4.5 | 3.4 | 4.0 | 4.2 | 5.2 | 5.2 | 5.3 | 5.8 |
| 16-20 | 8.2 | 8.0 | 6.5 | 6.1 | 5.1 | 4.3 | 3.7 | 3.4 | 3.9 | 3.7 | 3.9 | 3.9 |
| ≥21 | 1.3 | 1.7 | 1.2 | 1.0 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.0 | 1.1 | 1.0 |

* Abortions per 1,000 live births

† Abortions per 1,000 females 15-44 years of age

§ Excludes unknowns. Since the number of states reporting each characteristic varies from year to year, temporal comparisons should be made with caution.

|| For years 1972-1977, data indicate number of living children.

‡ <0.05%

TABLE 2. Source of abortion reporting, number of reported abortions, and abortion ratio and rate, by year, United States, selected years

| | 1972 | 1976 | 1980 | 1981 | 1982 | 1983 |
|---|---------|---------|-----------|-----------|-----------|-----------|
| Number of reporting areas* that report data through central health agency | 21 | 41 | 47 | 46 | 46 | 46 |
| Number of reporting areas that report data through hospitals and other medical facilities | 8 | 11 | 5 | 6 | 6 | 6 |
| Total number of abortions reported to CDC | 586,760 | 988,267 | 1,297,606 | 1,300,760 | 1,303,980 | 1,268,987 |
| Abortion ratio (abortions per 1,000 live births) | 180.1 | 312.0 | 359.2 | 358.4 | 354.3 | 348.7 |
| Abortion rate (abortions per 1,000 females ages 15-44) | 13 | 21 | 25 | 24 | 24 | 23 |

*The 52 reporting areas consist of 49 states, upstate New York, New York City, and the District of Columbia.

Approximately 93% of the women who obtained abortions had the procedure done in their state of residence. The percentage of abortions obtained by out-of-state residents ranged from approximately 55% in North Dakota to <1% in California and Hawaii for both 1982 and 1983 (Tables 3 and 4). However, the percentage of abortions obtained by out-of-state residents is unavailable for seven reporting areas in 1982 and for six in 1983.

In 1982 and 1983, 40 states and the District of Columbia reported legal abortions by age. In both years, women between 15 and 29 years of age had approximately 80% of all abortions, whereas females <15 years of age had approximately 1% of all abortions (Tables 5 and 6). The abortion ratios continued to be highest at the extremes of the reproductive-age spectrum. The abortion ratio for females <15 years of age was 1,337/1,000 live births in 1982 and 1,486/1,000 in 1983. In addition, the abortion ratios for females 15-19 years of age and ≥ 40 years of age were >700/1,000 live births for both years (Figure 2).

The percentage of all abortions obtained by teenagers continued to decrease. Teenagers had 29.2% of all abortions in 1980, 28.0% in 1981, and 27.1% in 1982 and 1983. As in previous years, among teenagers the abortion ratio was highest for females <15 years of age and lowest for females 19 years of age (Tables 7 and 8).

In 1982 and 1983, about half of the reported legal abortions were performed at ≤ 8 weeks of gestation (Tables 9 and 10). Moreover, approximately 90% were done at ≤ 12 weeks of gestation. In both years, less than 4% of reported legal abortions were performed at 16-20 weeks of gestation, and about 1% were performed at ≥ 21 weeks of gestation.

In both years, approximately 96% of legal abortions were done by curettage (Tables 11 and 12). In less than 3%, the method used was intrauterine saline or prostaglandin instillation.

In 1982 and 1983, approximately two-thirds of the women obtaining abortions were white (Table 13). The abortion ratio was higher for black and other races than for white: 523 versus 309 abortions/1,000 live births in 1982 and 497 versus 302/1,000 in 1983. The ratio was lower in 1983 than in 1982 for both racial groups.

FIGURE 1. Legal abortions, by year, United States, 1970-1983

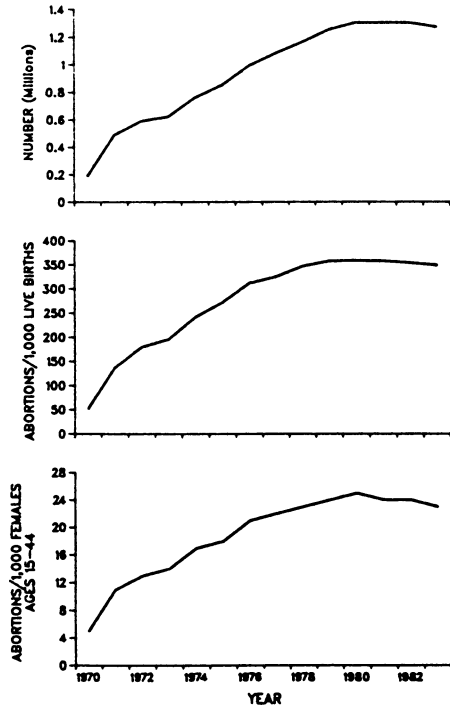


FIGURE 2. Abortion ratios, by age group, United States, 1982 and 1983

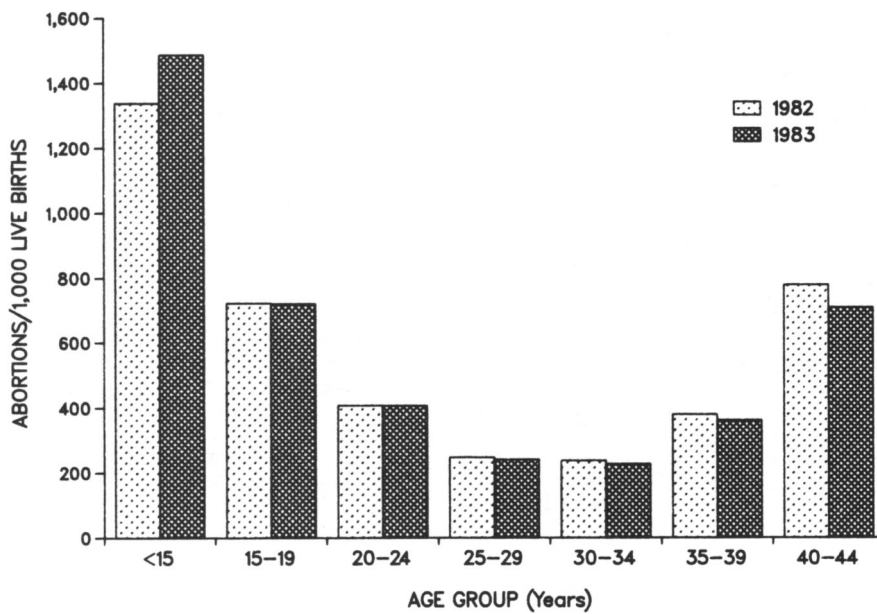


TABLE 3. Reported number of legal abortions, abortion ratios and rates, and percentage of abortions obtained by out-of-state residents, by state of occurrence, 1982

| State | Abortions [*] | Ratios [†] | Rates [§] | Percentage of abortions obtained by out-of-state residents |
|-------|------------------------|---------------------|--------------------|--|
| AK | 1,930 [¶] | 171 | 17 | — |
| AL | 16,081 ^{**} | 267 | 17 | 5.1 |
| AR | 6,779 ^{††} | 192 | 13 | 2.9 |
| AZ | 12,539 | 238 | 19 | 3.3 |
| CA | 207,099 ^{§§} | 482 | 35 | 0.5 |
| CO | 16,685 | 305 | 23 | 7.1 |
| CT | 18,449 | 454 | 27 | 2.1 |
| DC | 24,207 | | ¶¶ | 48.7 |
| DE | 3,907 | 426 | 26 | — |
| FL | 64,553 ^{§§} | 447 | 29 | — |
| GA | 33,213 | 368 | 24 | 10.3 |
| HI | 6,224 | 333 | 28 | 0.8 |
| IA | 5,360 ^{**} | 120 | 8 | 7.6 |
| ID | 2,431 | 124 | 12 | 7.2 |
| IL | 66,613 | 363 | 24 | 3.2 |
| IN | 15,806 | 188 | 13 | 3.1 |
| KS | 9,976 ^{***} | 244 | 19 | 38.3 |
| KY | 10,830 [¶] | 191 | 12 | — |
| LA | 19,794 | 234 | 19 | 9.3 |
| MA | 40,394 | 533 | 29 | — |
| MD | 26,084 | 409 | 24 | 6.0 |
| ME | 2,844 | 170 | 10 | 14.9 |
| MI | 43,512 | 315 | 20 | 3.8 |
| MN | 17,758 | 259 | 17 | 12.4 |
| MO | 19,226 | 251 | 18 | 13.9 |
| MS | 5,145 | 112 | 9 | 7.2 |
| MT | 4,175 | 287 | 23 | 22.7 |
| NC | 31,798 | 370 | 23 | 5.9 |
| ND | 3,076 | 243 | 22 | 55.6 |
| NE | 5,698 | 211 | 15 | 21.9 |
| NH | 3,711 ^{**} | 263 | 17 | 17.0 |
| NJ | 30,269 | 308 | 18 | 2.2 |
| NM | 5,213 | 189 | 17 | 3.7 |

(Continued on next page)

* Abortion data from central health agency unless otherwise noted

† Abortions per 1,000 live births (live-birth data from central health agency except for Alabama, Alaska, California, Delaware, Indiana, Iowa, Kansas, Kentucky, New Hampshire, Pennsylvania, West Virginia, and Wisconsin. Live-birth data for these states from the National Center for Health Statistics, Monthly Vital Statistics, Report, Vol. 33, No. 6, Supplemental, September 28, 1984)

§ Abortions per 1,000 females ages 15-44 (number of females ages 15-44 from Bureau of the Census, Current Population Survey, March 1982 Tape Technical Documentation)

|| Based on number of abortions for which residence status of woman is known

¶ Total reported from The Alan Guttmacher Institute

** Reported from hospitals and/or other medical facilities in state

†† Includes 1,342 abortions to Arkansas residents occurring in other states

§§ Total estimated by CDC

||| More than 1,000 abortions per 1,000 live births

¶¶ More than 100 abortions per 1,000 females ages 15-44

*** Includes 633 abortions to Kansas residents occurring in other states

††† Reported from New York City Health Department

— Not reported

(Continued)

TABLE 3. Reported number of legal abortions, abortion ratios and rates, and percentage of abortions obtained by out-of-state residents, by state of occurrence, 1982

| State | Abortions* | Ratios† | Rates‡ | Percentage of abortions obtained by out-of-state residents [§] |
|--------------|------------------|------------|-----------|---|
| NV | 6,794 | 455 | 31 | 16.3 |
| NY | 164,733 | 676 | 40 | 5.2 |
| (City) | 105,466 ††† | | | 5.0 |
| (Upstate) | 59,267 | 426 | | 5.6 |
| OH | 50,390 | 306 | 20 | 5.2 |
| OK | 12,424 | 211 | 19 | 5.9 |
| OR | 12,807 | 312 | 20 | 5.9 |
| PA | 60,772 | 375 | 23 | 6.4 |
| RI | 7,703 | 616 | 36 | 25.8 |
| SC | 12,616 | 256 | 15 | 6.4 |
| SD | 1,693 | 132 | 11 | 29.1 |
| TN | 20,729 | 309 | 18 | 18.7 |
| TX | 80,453 | 270 | 23 | 8.9 |
| UT | 3,987 | 96 | 12 | 6.0 |
| VA | 31,869 | 393 | 25 | 5.8 |
| VT | 3,498 | 436 | 27 | 26.0 |
| WA | 29,298 | 426 | 28 | 8.9 |
| WI | 19,412 | 261 | 17 | — |
| WV | 2,725** | 100 | 6 | 17.4 |
| WY | 698 | 63 | 6 | — |
| Total | 1,303,980 | 355 | 24 | 7.1 |

* Abortion data from central health agency unless otherwise noted

† Abortions per 1,000 live births (live-birth data from central health agency except for Alabama, Alaska, California, Delaware, Indiana, Iowa, Kansas, Kentucky, New Hampshire, Pennsylvania, West Virginia, and Wisconsin. Live-birth data for these states from the National Center for Health Statistics, Monthly Vital Statistics, Report, Vol. 33, No. 6, Supplemental, September 28, 1984)

§ Abortions per 1,000 females ages 15-44 (number of females ages 15-44 from Bureau of the Census, Current Population Survey, March 1982 Tape Technical Documentation)

|| Based on number of abortions for which residence status of woman is known

¶ Total reported from The Alan Guttmacher Institute

** Reported from hospitals and/or other medical facilities in state

†† Includes 1,342 abortions to Arkansas residents occurring in other states

§§ Total estimated by CDC

|| More than 1,000 abortions per 1,000 live births

¶ More than 100 abortions per 1,000 females ages 15-44

*** Includes 633 abortions to Kansas residents occurring in other states

††† Reported from New York City Health Department

— Not reported

TABLE 4. Reported number of legal abortions, abortion ratios and rates, and percentage of abortions obtained by out-of-state residents, by state of occurrence, 1983

| State | Abortions* | Ratios [†] | Rates [§] | Percentage of abortions obtained by out-of-state residents |
|-------|-----------------------|---------------------|--------------------|--|
| AK | 1,930 [¶] | 161 | 16 | — |
| AL | 17,147 ^{**} | 290 | 19 | 5.4 |
| AR | 6,532 ^{††} | 187 | 13 | 2.9 |
| AZ | 13,664 | 258 | 21 | 2.7 |
| CA | 209,481 ^{§§} | 480 | 35 | 0.4 |
| CO | 16,793 | 307 | 21 | 5.8 |
| CT | 18,653 | 454 | 25 | 3.5 |
| DC | 22,867 | | ¶¶ | 48.3 |
| DE | 4,232 | 459 | 28 | — |
| FL | 64,444 ^{§§} | 432 | 29 | — |
| GA | 34,514 | 383 | 26 | 9.2 |
| HI | 6,041 | 316 | 24 | 0.7 |
| IA | 5,534 ^{**} | 128 | 9 | 8.4 |
| ID | 2,456 | 131 | 11 | 7.1 |
| IL | 65,434 ^{***} | 366 | 25 | 3.9 |
| IN | 13,898 | 172 | 11 | 3.2 |
| KS | 8,547 ^{†††} | 212 | 16 | 37.7 |
| KY | 10,830 [¶] | 198 | 12 | — |
| LA | 19,435 | 236 | 19 | 11.6 |
| MA | 37,272 | 490 | 27 | — |
| MD | 25,732 | 402 | 25 | 6.3 |
| ME | 3,836 | 231 | 15 | 14.5 |
| MI | 40,528 | 305 | 18 | 3.9 |
| MN | 16,428 | 251 | 17 | 11.6 |
| MO | 19,199 | 254 | 18 | 13.5 |
| MS | 4,560 | 104 | 8 | 5.5 |
| MT | 4,061 | 289 | 21 | 24.5 |
| NC | 32,952 | 393 | 22 | 5.2 |
| ND | 3,028 | 245 | 21 | 52.7 |

(Continued on next page)

* Abortion data from central health agency unless otherwise noted

† Abortions per 1,000 live births (live-birth data from central health agency except for Alabama, Alaska, California, Connecticut, Delaware, Indiana, Iowa, Kansas, Kentucky, New Hampshire, Pennsylvania, West Virginia, and Wisconsin. Live-birth data for these states from the National Center for Health Statistics, Monthly Vital Statistics, Report, Vol. 34, No. 6, Supplemental, September 20, 1985)

§ Abortions per 1,000 females ages 15-44 (number of females ages 15-44 from Bureau of the Census, Current Population Survey, March 1983 Tape Technical Documentation)

|| Based on number of abortions for which residence status of woman is known

¶ Total reported from The Alan Guttmacher Institute for 1982

** Reported from hospitals and/or other medical facilities in state

†† Includes 1,346 abortions to Arkansas residents occurring in other states

§§ Total estimated by CDC

||| More than 1,000 abortions per 1,000 live births

¶ More than 100 abortions per 1,000 females ages 15-44

*** Annual data are based on 9½ months of reported data from state health department.

††† Includes 674 abortions to Kansas residents occurring in other states

§§§ Reported from New York City Health Department

— Not reported

(Continued)

TABLE 4. Reported number of legal abortions, abortion ratios and rates, and percentage of abortions obtained by out-of-state residents, by state of occurrence, 1983

| State | Abortions* | Ratios† | Rates‡ | Percentage of abortions obtained by out-of-state residents¹ |
|--------------|------------------|------------|-----------|---|
| NE | 5,625 | 214 | 15 | 21.2 |
| NH | 3,436** | 249 | 15 | 17.1 |
| NJ | 24,722 | 250 | 14 | 2.7 |
| NM | 5,182 | 188 | 16 | 3.4 |
| NV | 6,062 | 413 | 27 | 16.8 |
| NY | 154,712 | 632 | 37 | 4.7 |
| (City) | 100,322 §§§ | 953 | | 4.2 |
| (Upstate) | 54,390 | 390 | | 5.7 |
| OH | 44,709 | 282 | 18 | 5.6 |
| OK | 11,759 | 207 | 16 | 5.3 |
| OR | 12,064 | 302 | 19 | 6.7 |
| PA | 59,288 | 375 | 22 | 6.0 |
| RI | 6,984 | 555 | 32 | 22.6 |
| SC | 12,164 | 251 | 14 | 5.6 |
| SD | 1,691 | 135 | 11 | 26.9 |
| TN | 20,726 | 317 | 18 | 18.5 |
| TX | 81,112 | 275 | 22 | 7.0 |
| UT | 3,775 | 96 | 10 | 6.7 |
| VA | 31,339 | 388 | 24 | 5.6 |
| VT | 3,355 | 422 | 26 | 27.5 |
| WA | 27,856 | 401 | 26 | 7.2 |
| WI | 18,866 | 260 | 16 | — |
| WV | 2,821** | 109 | 6 | 16.4 |
| WY | 711 | 69 | 6 | 2.2 |
| Total | 1,268,987 | 349 | 23 | 6.7 |

* Abortion data from central health agency unless otherwise noted

† Abortions per 1,000 live births (live-birth data from central health agency except for Alabama, Alaska, California, Connecticut, Delaware, Indiana, Iowa, Kansas, Kentucky, New Hampshire, Pennsylvania, West Virginia, and Wisconsin. Live-birth data for these states from the National Center for Health Statistics, Monthly Vital Statistics, Report, Vol. 34, No. 6, Supplemental, September 20, 1985)

‡ Abortions per 1,000 females ages 15-44 (number of females ages 15-44 from Bureau of the Census, Current Population Survey, March 1983 Tape Technical Documentation)

¹ Based on number of abortions for which residence status of woman is known

² Total reported from The Alan Guttmacher Institute for 1982

*** Reported from hospitals and/or other medical facilities in state

†† Includes 1,346 abortions to Arkansas residents occurring in other states

§§ Total estimated by CDC

|| More than 1,000 abortions per 1,000 live births

¶ More than 100 abortions per 1,000 females ages 15-44

*** Annual data are based on 9½ months of reported data from state health department.

††† Includes 674 abortions to Kansas residents occurring in other states

§§§ Reported from New York City Health Department

— Not reported

TABLE 5. Reported legal abortions, by age and state of occurrence, selected states*, 1982

| State | <15 | | 15-19 | | 20-24 | | 25-29 | | 30-34 | | 35-39 | | ≥40 | | Unknown | | Total | |
|-----------|-------|-----|--------|------|--------|------|--------|------|--------|------|--------|-----|-------|-----|---------|------|---------|-------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| AR | 89 | 1.3 | 2,204 | 32.5 | 2,167 | 32.0 | 1,215 | 17.9 | 573 | 8.5 | 280 | 4.1 | 109 | 1.6 | 142 | 2.1 | 6,779 | 100.0 |
| AZ | 108 | 0.9 | 3,362 | 26.8 | 4,585 | 36.6 | 2,447 | 19.5 | 1,064 | 8.5 | 419 | 3.3 | 128 | 1.0 | 426 | 3.4 | 12,539 | 100.0 |
| CA† | 1,743 | 0.8 | 52,546 | 25.4 | 69,669 | 33.6 | 43,984 | 21.2 | 21,579 | 10.4 | 9,320 | 4.5 | 3,119 | 1.5 | 5,139 | 2.5 | 207,099 | 100.0 |
| CO | 115 | 0.7 | 4,382 | 26.3 | 6,027 | 36.1 | 3,510 | 21.0 | 1,707 | 10.2 | 646 | 3.9 | 167 | 1.0 | 131 | 0.8 | 16,685 | 100.0 |
| CT | 132 | 0.7 | 5,246 | 28.4 | 6,482 | 35.1 | 3,447 | 18.7 | 1,789 | 9.7 | 899 | 4.9 | 236 | 1.3 | 218 | 1.2 | 18,449 | 100.0 |
| DC | 284 | 1.2 | 5,734 | 23.7 | 7,953 | 32.9 | 5,474 | 22.6 | 3,142 | 13.0 | 1,144 | 4.7 | 260 | 1.1 | 216 | 0.9 | 24,207 | 100.0 |
| GA | 454 | 1.4 | 9,438 | 28.4 | 11,069 | 33.3 | 6,898 | 20.8 | 3,505 | 10.6 | 1,461 | 4.4 | 387 | 1.2 | 1 | 0.0 | 33,213 | 100.0 |
| HI | 38 | 0.6 | 1,395 | 22.4 | 2,125 | 34.1 | 1,468 | 23.6 | 734 | 11.8 | 344 | 5.5 | 118 | 1.9 | 2 | 0.0 | 6,224 | 100.0 |
| ID | 20 | 0.8 | 684 | 28.1 | 866 | 35.6 | 455 | 18.7 | 276 | 11.4 | 92 | 3.8 | 30 | 1.2 | 8 | 0.3 | 2,431 | 100.0 |
| IL | 328 | 0.5 | 13,424 | 20.2 | 22,198 | 33.3 | 14,654 | 22.0 | 8,150 | 12.2 | 3,898 | 5.9 | 1,384 | 2.1 | 2,577 | 3.9 | 66,613 | 100.0 |
| IN | 157 | 1.0 | 4,512 | 28.5 | 5,617 | 35.5 | 3,041 | 19.2 | 1,423 | 9.0 | 627 | 4.0 | 202 | 1.3 | 227 | 1.4 | 15,806 | 100.0 |
| KS | 108 | 1.1 | 3,246 | 32.5 | 3,440 | 34.5 | 1,780 | 17.8 | 845 | 8.5 | 422 | 4.2 | 128 | 1.3 | 7 | 0.1 | 9,976 | 100.0 |
| LA | 170 | 0.9 | 4,087 | 20.6 | 5,830 | 29.5 | 3,656 | 18.5 | 1,959 | 9.9 | 886 | 4.5 | 275 | 1.4 | 2,931 | 14.8 | 19,794 | 100.0 |
| MA | 204 | 0.5 | 9,316 | 23.1 | 15,466 | 38.3 | 8,785 | 21.7 | 4,230 | 10.5 | 1,856 | 4.6 | 522 | 1.3 | 15 | 0.0 | 40,394 | 100.0 |
| MD | 371 | 1.4 | 7,861 | 30.1 | 9,436 | 36.2 | 4,839 | 18.6 | 2,389 | 9.2 | 931 | 3.6 | 257 | 1.0 | 0 | 0.0 | 26,084 | 100.0 |
| ME | 26 | 0.9 | 787 | 27.7 | 1,066 | 37.5 | 504 | 17.7 | 277 | 9.7 | 121 | 4.3 | 33 | 1.2 | 30 | 1.1 | 2,844 | 100.0 |
| MI | 589 | 1.4 | 12,932 | 29.7 | 15,208 | 35.0 | 8,387 | 19.3 | 4,080 | 9.4 | 1,707 | 3.9 | 478 | 1.1 | 131 | 0.3 | 43,512 | 100.0 |
| MN | 97 | 0.5 | 4,982 | 28.1 | 6,826 | 38.4 | 3,292 | 18.5 | 1,636 | 9.2 | 665 | 3.7 | 201 | 1.1 | 59 | 0.3 | 17,758 | 100.0 |
| MO | 191 | 1.0 | 5,565 | 28.9 | 6,523 | 33.9 | 3,763 | 19.6 | 2,014 | 10.5 | 882 | 4.6 | 287 | 1.5 | 1 | 0.0 | 19,226 | 100.0 |
| MS | 81 | 1.6 | 1,557 | 30.3 | 1,821 | 35.4 | 941 | 18.3 | 465 | 9.0 | 217 | 4.2 | 60 | 1.2 | 3 | 0.1 | 5,145 | 100.0 |
| MT | 25 | 0.6 | 1,116 | 26.7 | 1,580 | 37.8 | 806 | 19.3 | 394 | 9.4 | 182 | 4.4 | 72 | 1.7 | 0 | 0.0 | 4,175 | 100.0 |
| NC | 416 | 1.3 | 9,516 | 29.9 | 11,401 | 35.9 | 5,888 | 18.5 | 2,799 | 8.8 | 1,245 | 3.9 | 393 | 1.2 | 140 | 0.4 | 31,798 | 100.0 |
| ND | 13 | 0.4 | 1,035 | 33.6 | 1,155 | 37.5 | 481 | 15.6 | 240 | 7.8 | 104 | 3.4 | 48 | 1.6 | 0 | 0.0 | 3,076 | 100.0 |
| NE | 42 | 0.7 | 1,768 | 31.0 | 2,111 | 37.0 | 1,023 | 18.0 | 448 | 7.9 | 229 | 4.0 | 76 | 1.3 | 1 | 0.0 | 5,698 | 100.0 |
| NJ | 349 | 1.2 | 7,643 | 25.3 | 10,434 | 34.5 | 6,159 | 20.3 | 3,375 | 11.2 | 1,709 | 5.6 | 587 | 1.9 | 13 | 0.0 | 30,269 | 100.0 |
| NM | 38 | 0.7 | 1,396 | 26.8 | 1,804 | 34.6 | 1,077 | 20.7 | 580 | 11.1 | 231 | 4.4 | 71 | 1.4 | 16 | 0.3 | 5,213 | 100.0 |
| NV | 58 | 0.9 | 1,785 | 26.3 | 2,204 | 32.4 | 1,542 | 22.7 | 789 | 11.6 | 323 | 4.8 | 93 | 1.4 | 0 | 0.0 | 6,794 | 100.0 |
| NY | 1,324 | 0.8 | 38,266 | 23.2 | 55,376 | 33.6 | 35,394 | 21.5 | 20,327 | 12.3 | 10,191 | 6.2 | 2,988 | 1.8 | 867 | 0.5 | 164,733 | 100.0 |
| (City) | 902 | 0.9 | 20,538 | 19.5 | 34,109 | 32.3 | 25,270 | 24.0 | 14,872 | 14.1 | 7,220 | 6.8 | 2,094 | 2.0 | 461 | 0.4 | 105,466 | 100.0 |
| (Upstate) | 422 | 0.7 | 17,728 | 29.9 | 21,267 | 35.9 | 10,124 | 17.1 | 5,455 | 9.2 | 2,971 | 5.0 | 894 | 1.5 | 406 | 0.7 | 59,267 | 100.0 |
| OH | 264 | 0.5 | 11,651 | 23.1 | 18,634 | 37.0 | 10,514 | 20.9 | 5,196 | 10.3 | 2,166 | 4.3 | 797 | 1.6 | 1,168 | 2.3 | 50,390 | 100.0 |
| OK | 119 | 1.0 | 3,484 | 28.0 | 4,569 | 36.8 | 2,443 | 19.7 | 1,128 | 9.1 | 492 | 4.0 | 175 | 1.4 | 14 | 0.1 | 12,424 | 100.0 |
| OR | 94 | 0.7 | 3,144 | 24.5 | 3,632 | 28.4 | 2,203 | 17.2 | 1,090 | 8.5 | 441 | 3.4 | 112 | 0.9 | 2,091 | 16.3 | 12,807 | 100.0 |
| PA | 592 | 1.0 | 16,649 | 27.4 | 22,210 | 36.5 | 12,010 | 19.8 | 5,883 | 9.7 | 2,490 | 4.1 | 835 | 1.4 | 103 | 0.2 | 60,772 | 100.0 |

TABLE 5. Reported legal abortions, by age and state of occurrence, selected states*, 1982 — Continued

| State | <15 | | 15-19 | | 20-24 | | 25-29 | | 30-34 | | 35-39 | | ≥40 | | Unknown | | Total | |
|------------------------------------|--------------|------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|---------------|------------|---------------|------------|---------------|------------|------------------|--------------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| RI | 36 | 0.5 | 2,202 | 28.6 | 2,821 | 36.6 | 1,429 | 18.6 | 736 | 9.6 | 355 | 4.6 | 119 | 1.5 | 5 | 0.1 | 7,703 | 100.0 |
| SC | 151 | 1.2 | 3,701 | 29.3 | 4,336 | 34.4 | 2,450 | 19.4 | 1,274 | 10.1 | 545 | 4.3 | 150 | 1.2 | 9 | 0.1 | 12,616 | 100.0 |
| SD | 13 | 0.8 | 545 | 32.2 | 576 | 34.0 | 302 | 17.8 | 150 | 8.9 | 59 | 3.5 | 25 | 1.5 | 23 | 1.4 | 1,693 | 100.0 |
| TN | 248 | 1.2 | 6,234 | 30.1 | 7,152 | 34.5 | 3,899 | 18.8 | 2,017 | 9.7 | 905 | 4.4 | 271 | 1.3 | 3 | 0.0 | 20,729 | 100.0 |
| UT [§] | 19 | 0.5 | 875 | 23.4 | 1,345 | 35.9 | 805 | 21.5 | 421 | 11.2 | 155 | 4.1 | 40 | 1.1 | 84 | 2.2 | 3,744 | 100.0 |
| VA | 354 | 1.1 | 9,142 | 28.7 | 11,209 | 35.2 | 6,246 | 19.6 | 3,042 | 9.5 | 1,412 | 4.4 | 418 | 1.3 | 46 | 0.1 | 31,869 | 100.0 |
| VT | 24 | 0.7 | 1,032 | 29.5 | 1,299 | 37.1 | 632 | 18.1 | 344 | 9.8 | 128 | 3.7 | 38 | 1.1 | 1 | 0.0 | 3,498 | 100.0 |
| WA | 201 | 0.7 | 7,815 | 26.7 | 10,226 | 34.9 | 6,223 | 21.2 | 3,188 | 10.9 | 1,244 | 4.2 | 370 | 1.3 | 31 | 0.1 | 29,298 | 100.0 |
| WY | 8 | 1.1 | 178 | 25.5 | 263 | 37.7 | 167 | 23.9 | 49 | 7.0 | 23 | 3.3 | 10 | 1.4 | 0 | 0.0 | 698 | 100.0 |
| TOTAL | 9,693 | 0.9 | 282,437 | 25.8 | 378,711 | 34.6 | 224,233 | 20.5 | 115,307 | 10.5 | 51,446 | 4.7 | 16,069 | 1.5 | 16,879 | 1.5 | 1,094,775 | 100.0 |
| Abortion ratio | 1,337 | | 722 | | 407 | | 247 | | 237 | | 379 | | 777 | | | | 374 | |

* All states for which data are available (40) and the District of Columbia

† Distribution based on data from state health department survey of hospitals and clinics; total estimated by CDC

§ Residents only

|| Calculated as the number of legal abortions obtained by women in a given age group per 1,000 live births to women in the same age group. "Unknown" age for each state is distributed according to known age distribution for that state. Excludes states reporting age unknown for more than 15% of abortions.

TABLE 6. Reported legal abortions, by age and state of occurrence, selected states*, 1983

| State | <15 | | 15-19 | | 20-24 | | 25-29 | | 30-34 | | 35-39 | | ≥40 | | Unknown | | Total | |
|-----------|-------|-----|--------|------|--------|------|--------|------|--------|------|--------|-----|-------|-----|---------|------|---------|-------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| AR | 108 | 1.7 | 2,082 | 31.9 | 2,122 | 32.5 | 1,176 | 18.0 | 540 | 8.3 | 287 | 4.4 | 97 | 1.5 | 120 | 1.8 | 6,532 | 100.0 |
| AZ | 97 | 0.7 | 3,382 | 24.8 | 5,008 | 36.7 | 2,796 | 20.5 | 1,250 | 9.1 | 464 | 3.4 | 135 | 1.0 | 532 | 3.9 | 13,664 | 100.0 |
| CA† | 2,087 | 1.0 | 52,639 | 25.1 | 70,352 | 33.6 | 44,108 | 21.1 | 23,074 | 11.0 | 10,980 | 5.2 | 3,074 | 1.5 | 3,167 | 1.5 | 209,481 | 100.0 |
| CO | 126 | 0.8 | 4,376 | 26.1 | 6,047 | 36.0 | 3,586 | 21.4 | 1,762 | 10.5 | 650 | 3.9 | 172 | 1.0 | 74 | 0.4 | 16,793 | 100.0 |
| CT | 156 | 0.8 | 5,265 | 28.2 | 6,537 | 35.0 | 3,520 | 18.9 | 1,835 | 9.8 | 899 | 4.8 | 270 | 1.4 | 171 | 0.9 | 18,653 | 100.0 |
| DC | 313 | 1.4 | 4,981 | 21.8 | 7,619 | 33.3 | 5,143 | 22.5 | 3,040 | 13.3 | 1,312 | 5.7 | 348 | 1.5 | 111 | 0.5 | 22,867 | 100.0 |
| GA | 460 | 1.3 | 9,609 | 27.8 | 11,707 | 33.9 | 7,027 | 20.4 | 3,664 | 10.6 | 1,610 | 4.7 | 436 | 1.3 | 1 | 0.0 | 34,514 | 100.0 |
| HI | 44 | 0.7 | 1,277 | 21.1 | 2,071 | 34.3 | 1,333 | 22.1 | 806 | 13.3 | 401 | 6.6 | 101 | 1.7 | 8 | 0.1 | 6,041 | 100.0 |
| ID | 23 | 0.9 | 727 | 29.6 | 831 | 33.8 | 472 | 19.2 | 235 | 9.6 | 124 | 5.0 | 38 | 1.5 | 6 | 0.2 | 2,456 | 100.0 |
| IL§ | 524 | 0.8 | 14,290 | 21.8 | 19,740 | 30.2 | 12,544 | 19.2 | 6,863 | 10.5 | 3,307 | 5.1 | 1,108 | 1.7 | 7,058 | 10.8 | 65,434 | 100.0 |
| IN | 149 | 1.1 | 3,617 | 26.0 | 5,070 | 36.5 | 2,761 | 19.9 | 1,346 | 9.7 | 604 | 4.3 | 168 | 1.2 | 183 | 1.3 | 13,898 | 100.0 |
| KS | 91 | 1.1 | 2,734 | 32.0 | 2,978 | 34.8 | 1,539 | 18.0 | 718 | 8.4 | 374 | 4.4 | 105 | 1.2 | 8 | 0.1 | 8,547 | 100.0 |
| LA | 202 | 1.0 | 4,146 | 21.3 | 5,840 | 30.0 | 3,848 | 19.8 | 2,056 | 10.6 | 853 | 4.4 | 253 | 1.3 | 2,237 | 11.5 | 19,435 | 100.0 |
| MA | 194 | 0.5 | 8,687 | 23.3 | 14,058 | 37.7 | 7,896 | 21.2 | 4,114 | 11.0 | 1,815 | 4.9 | 493 | 1.3 | 15 | 0.0 | 37,272 | 100.0 |
| MD | 387 | 1.5 | 7,452 | 29.0 | 9,310 | 36.2 | 4,991 | 19.4 | 2,355 | 9.2 | 990 | 3.8 | 247 | 1.0 | 0 | 0.0 | 25,732 | 100.0 |
| ME | 26 | 0.7 | 1,135 | 29.6 | 1,364 | 35.6 | 712 | 18.6 | 371 | 9.7 | 159 | 4.1 | 54 | 1.4 | 15 | 0.4 | 3,836 | 100.0 |
| MI | 593 | 1.5 | 12,386 | 30.6 | 13,922 | 34.4 | 7,767 | 19.2 | 3,766 | 9.3 | 1,571 | 3.9 | 420 | 1.0 | 103 | 0.3 | 40,528 | 100.0 |
| MN | 112 | 0.7 | 4,469 | 27.2 | 6,264 | 38.1 | 3,162 | 19.2 | 1,502 | 9.1 | 674 | 4.1 | 205 | 1.2 | 40 | 0.2 | 16,428 | 100.0 |
| MO | 230 | 1.2 | 5,341 | 27.8 | 6,662 | 34.7 | 3,794 | 19.8 | 2,014 | 10.5 | 889 | 4.6 | 266 | 1.4 | 3 | 0.0 | 19,199 | 100.0 |
| MS | 91 | 2.0 | 1,338 | 29.3 | 1,549 | 34.0 | 878 | 19.3 | 451 | 9.9 | 192 | 4.2 | 58 | 1.3 | 3 | 0.1 | 4,560 | 100.0 |
| MT | 28 | 0.7 | 1,051 | 25.9 | 1,535 | 37.8 | 811 | 20.0 | 417 | 10.3 | 171 | 4.2 | 48 | 1.2 | 0 | 0.0 | 4,061 | 100.0 |
| NC | 502 | 1.5 | 9,790 | 29.7 | 11,528 | 35.0 | 6,193 | 18.8 | 3,022 | 9.2 | 1,334 | 4.0 | 384 | 1.2 | 199 | 0.6 | 32,952 | 100.0 |
| ND | 18 | 0.6 | 990 | 32.7 | 1,178 | 38.9 | 436 | 14.4 | 228 | 7.5 | 128 | 4.2 | 50 | 1.7 | 0 | 0.0 | 3,028 | 100.0 |
| NE | 40 | 0.7 | 1,692 | 30.1 | 2,059 | 36.6 | 1,081 | 19.2 | 471 | 8.4 | 215 | 3.8 | 65 | 1.2 | 2 | 0.0 | 5,625 | 100.0 |
| NJ | 296 | 1.2 | 6,064 | 24.5 | 8,519 | 34.5 | 5,078 | 20.5 | 2,748 | 11.1 | 1,508 | 6.1 | 487 | 2.0 | 22 | 0.1 | 24,722 | 100.0 |
| NM | 42 | 0.8 | 1,297 | 25.0 | 1,791 | 34.6 | 1,056 | 20.4 | 631 | 12.2 | 280 | 5.4 | 65 | 1.3 | 20 | 0.4 | 5,182 | 100.0 |
| NV | 42 | 0.7 | 1,454 | 24.0 | 1,960 | 32.3 | 1,386 | 22.9 | 775 | 12.8 | 355 | 5.9 | 90 | 1.5 | 0 | 0.0 | 6,062 | 100.0 |
| NY | 1,421 | 0.9 | 35,390 | 22.9 | 51,770 | 33.5 | 33,879 | 21.9 | 19,090 | 12.3 | 9,369 | 6.1 | 2,911 | 1.9 | 882 | 0.6 | 154,712 | 100.0 |
| (City) | 988 | 1.0 | 19,508 | 19.4 | 32,375 | 32.3 | 24,229 | 24.2 | 14,029 | 14.0 | 6,722 | 6.7 | 2,017 | 2.0 | 454 | 0.5 | 100,322 | 100.0 |
| (Upstate) | 433 | 0.8 | 15,882 | 29.2 | 19,395 | 35.7 | 9,650 | 17.7 | 5,061 | 9.3 | 2,647 | 4.9 | 894 | 1.6 | 428 | 0.8 | 54,390 | 100.0 |
| OH | 282 | 0.6 | 10,521 | 23.5 | 16,040 | 35.9 | 9,094 | 20.3 | 4,611 | 10.3 | 2,111 | 4.7 | 746 | 1.7 | 1,304 | 2.9 | 44,709 | 100.0 |
| OK | 104 | 0.9 | 3,293 | 28.0 | 4,070 | 34.6 | 2,404 | 20.4 | 1,158 | 9.8 | 563 | 4.8 | 152 | 1.3 | 15 | 0.1 | 11,759 | 100.0 |
| OR | 75 | 0.6 | 2,876 | 23.8 | 3,394 | 28.1 | 2,060 | 17.1 | 1,051 | 8.7 | 488 | 4.0 | 109 | 0.9 | 2,011 | 16.7 | 12,064 | 100.0 |
| PA | 677 | 1.1 | 15,659 | 26.4 | 21,651 | 36.5 | 12,121 | 20.4 | 5,804 | 9.8 | 2,549 | 4.3 | 731 | 1.2 | 96 | 0.2 | 59,288 | 100.0 |

TABLE 6. Reported legal abortions, by age and state of occurrence, selected states*, 1983 — Continued

| State | <15 | | 15-19 | | 20-24 | | 25-29 | | 30-34 | | 35-39 | | ≥40 | | Unknown | | Total | |
|-----------------------------------|---------------|------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|---------------|------------|---------------|------------|---------------|------------|------------------|--------------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| RI | 45 | 0.6 | 1,816 | 26.0 | 2,657 | 38.0 | 1,312 | 18.8 | 714 | 10.2 | 339 | 4.9 | 97 | 1.4 | 4 | 0.1 | 6,984 | 100.0 |
| SC | 162 | 1.3 | 3,477 | 28.6 | 4,200 | 34.5 | 2,409 | 19.8 | 1,203 | 9.9 | 541 | 4.4 | 165 | 1.4 | 7 | 0.1 | 12,164 | 100.0 |
| SD | 8 | 0.5 | 518 | 30.6 | 593 | 35.1 | 319 | 18.9 | 142 | 8.4 | 68 | 4.0 | 30 | 1.8 | 13 | 0.8 | 1,691 | 100.0 |
| TN | 283 | 1.4 | 6,090 | 29.4 | 6,982 | 33.7 | 4,119 | 19.9 | 2,041 | 9.8 | 947 | 4.6 | 260 | 1.3 | 4 | 0.0 | 20,726 | 100.0 |
| UT | 20 | 0.6 | 845 | 24.0 | 1,253 | 35.6 | 754 | 21.4 | 409 | 11.6 | 173 | 4.9 | 50 | 1.4 | 13 | 0.4 | 3,517 | 100.0 |
| VA | 376 | 1.2 | 8,800 | 28.1 | 11,000 | 35.1 | 6,198 | 19.8 | 3,060 | 9.8 | 1,471 | 4.7 | 399 | 1.3 | 35 | 0.1 | 31,339 | 100.0 |
| VT | 15 | 0.4 | 951 | 28.3 | 1,296 | 38.6 | 583 | 17.4 | 314 | 9.4 | 151 | 4.5 | 44 | 1.3 | 1 | 0.0 | 3,355 | 100.0 |
| WA | 226 | 0.8 | 7,229 | 26.0 | 9,644 | 34.6 | 5,963 | 21.4 | 3,022 | 10.8 | 1,375 | 4.9 | 371 | 1.3 | 26 | 0.1 | 27,856 | 100.0 |
| WY | 4 | 0.6 | 187 | 26.3 | 258 | 36.3 | 160 | 22.5 | 67 | 9.4 | 28 | 3.9 | 5 | 0.7 | 2 | 0.3 | 711 | 100.0 |
| TOTAL | 10,679 | 1.0 | 269,923 | 25.5 | 362,429 | 34.2 | 216,469 | 20.5 | 112,740 | 10.7 | 52,319 | 4.9 | 15,307 | 1.4 | 18,511 | 1.7 | 1,058,377 | 100.0 |
| Abortion ratio[†] | 1,486 | | 727 | | 406 | | 240 | | 226 | | 361 | | 707 | | | | 366 | |

* All states for which data are available (40) and the District of Columbia

† Distribution based on data from state health department survey of hospitals and clinics; total estimated by CDC

§ Annual data are based on 9½ months of reported data from state health department.

|| Residents only

† Calculated as the number of legal abortions obtained by women in a given age group per 1,000 live births to women in the same age group. "Unknown" age for each state is distributed according to known age distribution for that state. Excludes states reporting age unknown for more than 15% of abortions.

TABLE 7. Reported legal abortions obtained by teenagers, by age, selected states*, 1982

| State | <15 | | 15 | | 16 | | 17 | | 18 | | 19 | | Total | |
|-----------|-------|-----|-------|-----|-------|------|--------|------|--------|------|--------|------|--------|-------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| AR | 89 | 3.9 | 130 | 5.7 | 334 | 14.6 | 467 | 20.4 | 677 | 29.5 | 596 | 26.0 | 2,293 | 100.0 |
| AZ | 108 | 3.1 | 199 | 5.7 | 413 | 11.9 | 571 | 16.5 | 1,096 | 31.6 | 1,083 | 31.2 | 3,470 | 100.0 |
| CA† | 1,743 | 3.2 | 3,800 | 7.0 | 8,046 | 14.8 | 11,204 | 20.6 | 13,628 | 25.1 | 15,868 | 29.2 | 54,289 | 100.0 |
| CO | 115 | 2.6 | 239 | 5.3 | 599 | 13.3 | 956 | 21.3 | 1,206 | 26.8 | 1,382 | 30.7 | 4,497 | 100.0 |
| CT | 132 | 2.5 | 299 | 5.6 | 726 | 13.5 | 1,174 | 21.8 | 1,530 | 28.4 | 1,517 | 28.2 | 5,378 | 100.0 |
| GA | 454 | 4.6 | 683 | 6.9 | 1,394 | 14.1 | 1,933 | 19.5 | 2,673 | 27.0 | 2,755 | 27.9 | 9,892 | 100.0 |
| HI | 8 | 2.7 | 79 | 5.5 | 153 | 10.7 | 311 | 21.7 | 383 | 26.7 | 469 | 32.7 | 1,433 | 100.0 |
| ID | 20 | 2.8 | 43 | 6.1 | 73 | 10.4 | 124 | 17.6 | 218 | 31.0 | 226 | 32.1 | 704 | 100.0 |
| IL | 328 | 2.4 | 730 | 5.3 | 1,508 | 11.0 | 2,602 | 18.9 | 3,793 | 27.6 | 4,791 | 34.8 | 13,752 | 100.0 |
| IN | 157 | 3.4 | 356 | 7.6 | 586 | 12.6 | 796 | 17.0 | 1,415 | 30.3 | 1,359 | 29.1 | 4,669 | 100.0 |
| KS | 108 | 3.2 | 244 | 7.3 | 503 | 15.0 | 691 | 20.6 | 881 | 26.3 | 927 | 27.6 | 3,354 | 100.0 |
| LA | 170 | 4.0 | 262 | 6.2 | 420 | 9.9 | 533 | 12.5 | 1,530 | 35.9 | 1,342 | 31.5 | 4,257 | 100.0 |
| MA | 204 | 2.1 | 493 | 5.2 | 877 | 9.2 | 1,232 | 12.9 | 3,146 | 33.0 | 3,568 | 37.5 | 9,520 | 100.0 |
| MD | 371 | 4.5 | 661 | 8.0 | 1,172 | 14.2 | 1,595 | 19.4 | 2,268 | 27.6 | 2,165 | 26.3 | 8,232 | 100.0 |
| ME | 26 | 3.2 | 48 | 5.9 | 89 | 10.9 | 154 | 18.9 | 236 | 29.0 | 260 | 32.0 | 813 | 100.0 |
| MN | 97 | 1.9 | 252 | 5.0 | 609 | 12.0 | 849 | 16.7 | 1,559 | 30.7 | 1,713 | 33.7 | 5,079 | 100.0 |
| MO | 191 | 3.3 | 412 | 7.2 | 771 | 13.4 | 1,211 | 21.0 | 1,630 | 28.3 | 1,541 | 26.8 | 5,756 | 100.0 |
| MS | 81 | 4.9 | 125 | 7.6 | 231 | 14.1 | 342 | 20.9 | 435 | 26.6 | 424 | 25.9 | 1,638 | 100.0 |
| MT | 25 | 2.2 | 67 | 5.9 | 115 | 10.1 | 180 | 15.8 | 343 | 30.1 | 411 | 36.0 | 1,141 | 100.0 |
| NC | 416 | 4.2 | 761 | 7.7 | 1,423 | 14.3 | 1,965 | 19.8 | 2,716 | 27.3 | 2,651 | 26.7 | 9,932 | 100.0 |
| ND | 13 | 1.2 | 47 | 4.5 | 123 | 11.7 | 165 | 15.7 | 366 | 34.9 | 334 | 31.9 | 1,048 | 100.0 |
| NE | 42 | 2.3 | 99 | 5.5 | 266 | 14.7 | 363 | 20.1 | 513 | 28.3 | 527 | 29.1 | 1,810 | 100.0 |
| NV | 58 | 3.1 | 108 | 5.9 | 271 | 14.7 | 396 | 21.5 | 523 | 28.4 | 487 | 26.4 | 1,843 | 100.0 |
| NY | 1,324 | 3.3 | 2,599 | 6.6 | 5,062 | 12.8 | 7,684 | 19.4 | 11,325 | 28.6 | 11,596 | 29.3 | 39,590 | 100.0 |
| (City) | 902 | 4.2 | 1,626 | 7.6 | 2,908 | 13.6 | 4,035 | 18.8 | 5,775 | 26.9 | 6,194 | 28.9 | 21,440 | 100.0 |
| (Upstate) | 422 | 2.3 | 973 | 5.4 | 2,154 | 11.9 | 3,649 | 20.1 | 5,550 | 30.6 | 5,402 | 29.8 | 18,150 | 100.0 |
| OH | 264 | 2.2 | 593 | 5.0 | 1,299 | 10.9 | 2,254 | 18.9 | 3,276 | 27.5 | 4,229 | 35.5 | 11,915 | 100.0 |
| OK | 119 | 3.3 | 195 | 5.4 | 424 | 11.8 | 572 | 15.9 | 1,265 | 35.1 | 1,028 | 28.5 | 3,603 | 100.0 |
| OR | 94 | 2.9 | 232 | 7.2 | 453 | 14.0 | 675 | 20.8 | 877 | 27.1 | 907 | 28.0 | 3,238 | 100.0 |
| PA | 592 | 3.4 | 1,176 | 6.8 | 2,297 | 13.3 | 3,359 | 19.5 | 4,837 | 28.1 | 4,980 | 28.9 | 17,241 | 100.0 |
| RI | 36 | 1.6 | 110 | 4.9 | 298 | 13.3 | 512 | 22.9 | 641 | 28.6 | 641 | 28.6 | 2,238 | 100.0 |
| SC | 151 | 3.9 | 246 | 6.4 | 550 | 14.3 | 783 | 20.3 | 1,096 | 28.5 | 1,026 | 26.6 | 3,852 | 100.0 |
| SD | 13 | 2.3 | 32 | 5.7 | 85 | 15.2 | 110 | 19.7 | 159 | 28.5 | 159 | 28.5 | 558 | 100.0 |
| TN | 248 | 3.8 | 441 | 6.8 | 831 | 12.8 | 1,156 | 17.8 | 1,940 | 29.9 | 1,866 | 28.8 | 6,482 | 100.0 |

TABLE 7. Reported legal abortions obtained by teenagers, by age, selected states*, 1982 — Continued

| State | <15 | | 15 | | 16 | | 17 | | 18 | | 19 | | Total | |
|------------------------------------|--------------|------------|---------------|------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|----------------|--------------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| UT [§] | 19 | 2.1 | 69 | 7.7 | 85 | 9.5 | 169 | 18.9 | 257 | 28.7 | 295 | 33.0 | 894 | 100.0 |
| VA | 354 | 3.7 | 618 | 6.5 | 1,278 | 13.5 | 1,891 | 19.9 | 2,674 | 28.2 | 2,681 | 28.2 | 9,496 | 100.0 |
| VT | 24 | 2.3 | 48 | 4.5 | 123 | 11.6 | 206 | 19.5 | 314 | 29.7 | 341 | 32.3 | 1,056 | 100.0 |
| WA | 201 | 2.5 | 553 | 6.9 | 1,087 | 13.6 | 1,578 | 19.7 | 2,319 | 28.9 | 2,278 | 28.4 | 8,016 | 100.0 |
| WY | 8 | 4.3 | 13 | 7.0 | 21 | 11.3 | 32 | 17.2 | 38 | 20.4 | 74 | 39.8 | 186 | 100.0 |
| TOTAL | 8,433 | 3.2 | 17,062 | 6.5 | 34,595 | 13.1 | 50,795 | 19.3 | 73,783 | 28.0 | 78,497 | 29.8 | 263,165 | 100.0 |
| Abortion ratio | 1,285 | | 991 | | 875 | | 745 | | 734 | | 601 | | 726 | |

* All states for which data are available (37)

† Distribution based on data from state health department survey of hospitals and clinics; total estimated by CDC

§ Residents only

|| Calculated as the number of legal abortions obtained by women of a given age per 1,000 live births to women of the same age. "Unknown" age for each state is distributed according to known age distribution for that state.

TABLE 8. Reported legal abortions obtained by teenagers, by age, selected states*, 1983

| State | <15 | | 15 | | 16 | | 17 | | 18 | | 19 | | Total | |
|-----------|-------|-----|-------|-----|-------|------|--------|------|--------|------|--------|------|--------|-------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| AR | 108 | 4.9 | 167 | 7.6 | 286 | 13.1 | 407 | 18.6 | 630 | 28.8 | 592 | 27.0 | 2,190 | 100.0 |
| AZ | 97 | 2.8 | 186 | 5.3 | 383 | 11.0 | 452 | 13.0 | 1,138 | 32.7 | 1,223 | 35.2 | 3,479 | 100.0 |
| CA† | 2,087 | 3.8 | 3,975 | 7.3 | 8,362 | 15.3 | 10,235 | 18.7 | 14,759 | 27.0 | 15,308 | 28.0 | 54,726 | 100.0 |
| CO | 126 | 2.8 | 260 | 5.8 | 604 | 13.4 | 906 | 20.1 | 1,226 | 27.2 | 1,380 | 30.7 | 4,502 | 100.0 |
| CT | 156 | 2.9 | 317 | 5.8 | 812 | 15.0 | 1,187 | 21.9 | 1,432 | 26.4 | 1,517 | 28.0 | 5,421 | 100.0 |
| GA | 460 | 4.6 | 743 | 7.4 | 1,404 | 13.9 | 2,037 | 20.2 | 2,709 | 26.9 | 2,716 | 27.0 | 10,069 | 100.0 |
| HI | 44 | 3.3 | 64 | 4.8 | 134 | 10.1 | 240 | 18.2 | 387 | 29.3 | 452 | 34.2 | 1,321 | 100.0 |
| ID | 23 | 3.1 | 41 | 5.5 | 89 | 11.9 | 103 | 13.7 | 251 | 33.5 | 243 | 32.4 | 750 | 100.0 |
| IL§ | 524 | 3.5 | 1,013 | 6.8 | 2,010 | 13.6 | 2,906 | 19.6 | 4,185 | 28.3 | 4,176 | 28.2 | 14,814 | 100.0 |
| IN | 149 | 4.0 | 269 | 7.1 | 438 | 11.6 | 566 | 15.0 | 1,195 | 31.7 | 1,149 | 30.5 | 3,766 | 100.0 |
| KS | 91 | 3.2 | 207 | 7.3 | 392 | 13.9 | 579 | 20.5 | 772 | 27.3 | 784 | 27.8 | 2,825 | 100.0 |
| LA | 202 | 4.6 | 319 | 7.3 | 465 | 10.7 | 546 | 12.6 | 1,468 | 33.8 | 1,348 | 31.0 | 4,348 | 100.0 |
| MD | 387 | 4.9 | 598 | 7.6 | 1,085 | 13.8 | 1,412 | 18.0 | 2,097 | 26.8 | 2,260 | 28.8 | 7,839 | 100.0 |
| ME | 26 | 2.2 | 67 | 5.8 | 156 | 13.4 | 245 | 21.1 | 310 | 26.7 | 357 | 30.7 | 1,161 | 100.0 |
| MO | 230 | 4.1 | 429 | 7.7 | 723 | 13.0 | 928 | 16.7 | 1,682 | 30.2 | 1,579 | 28.3 | 5,571 | 100.0 |
| MS | 91 | 6.4 | 118 | 8.3 | 189 | 13.2 | 275 | 19.2 | 399 | 27.9 | 357 | 25.0 | 1,429 | 100.0 |
| MT | 28 | 2.6 | 50 | 4.6 | 113 | 10.5 | 183 | 17.0 | 340 | 31.5 | 365 | 33.8 | 1,079 | 100.0 |
| NC | 502 | 4.9 | 821 | 8.0 | 1,410 | 13.7 | 2,024 | 19.7 | 2,769 | 26.9 | 2,766 | 26.9 | 10,292 | 100.0 |
| ND | 18 | 1.8 | 44 | 4.4 | 96 | 9.5 | 153 | 15.2 | 331 | 32.8 | 366 | 36.3 | 1,008 | 100.0 |
| NE | 40 | 2.3 | 113 | 6.5 | 225 | 13.0 | 338 | 19.5 | 489 | 28.2 | 527 | 30.4 | 1,732 | 100.0 |
| NM | 42 | 3.1 | 71 | 5.3 | 165 | 12.3 | 242 | 18.1 | 430 | 32.1 | 389 | 29.1 | 1,339 | 100.0 |
| NV | 42 | 2.8 | 91 | 6.1 | 193 | 12.9 | 320 | 21.4 | 441 | 29.5 | 409 | 27.3 | 1,496 | 100.0 |
| NY | 1,421 | 3.9 | 2,448 | 6.7 | 4,690 | 12.7 | 6,948 | 18.9 | 10,246 | 27.8 | 11,058 | 30.0 | 36,811 | 100.0 |
| (City) | 988 | 4.8 | 1,613 | 7.9 | 2,697 | 13.2 | 3,922 | 19.1 | 5,360 | 26.2 | 5,916 | 28.9 | 20,496 | 100.0 |
| (Upstate) | 433 | 2.7 | 835 | 5.1 | 1,993 | 12.2 | 3,026 | 18.5 | 4,886 | 29.9 | 5,142 | 31.5 | 16,315 | 100.0 |
| OH | 282 | 2.6 | 549 | 5.1 | 1,199 | 11.1 | 1,975 | 18.3 | 2,995 | 27.7 | 3,803 | 35.2 | 10,803 | 100.0 |
| OK | 104 | 3.1 | 206 | 6.1 | 410 | 12.1 | 556 | 16.4 | 1,133 | 33.4 | 988 | 29.1 | 3,397 | 100.0 |
| OR | 75 | 2.5 | 198 | 6.7 | 413 | 14.0 | 590 | 20.0 | 844 | 28.6 | 831 | 28.2 | 2,951 | 100.0 |
| PA | 677 | 4.1 | 1,190 | 7.3 | 2,192 | 13.4 | 2,943 | 18.0 | 4,480 | 27.4 | 4,854 | 29.7 | 16,336 | 100.0 |
| RI | 45 | 2.4 | 96 | 5.2 | 165 | 8.9 | 253 | 13.6 | 622 | 33.4 | 680 | 36.5 | 1,861 | 100.0 |
| SC | 162 | 4.5 | 233 | 6.4 | 526 | 14.5 | 721 | 19.8 | 1,007 | 27.7 | 990 | 27.2 | 3,639 | 100.0 |
| SD | 8 | 1.5 | 29 | 5.5 | 79 | 15.0 | 103 | 19.6 | 154 | 29.3 | 153 | 29.1 | 526 | 100.0 |
| TN | 283 | 4.4 | 463 | 7.3 | 779 | 12.2 | 1,074 | 16.9 | 1,911 | 30.0 | 1,863 | 29.2 | 6,373 | 100.0 |
| UT† | 20 | 2.3 | 52 | 6.0 | 115 | 13.3 | 122 | 14.1 | 297 | 34.3 | 259 | 29.9 | 865 | 100.0 |

TABLE 8. Reported legal abortions obtained by teenagers, by age, selected states*, 1983 — Continued

| State | <15 | | 15 | | 16 | | 17 | | 18 | | 19 | | Total | |
|-----------------------------------|--------------|------------|---------------|------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|----------------|--------------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| VA | 376 | 4.1 | 705 | 7.7 | 1,253 | 13.7 | 1,785 | 19.5 | 2,466 | 26.9 | 2,591 | 28.2 | 9,176 | 100.0 |
| VT | 15 | 1.6 | 61 | 6.3 | 106 | 11.0 | 200 | 20.7 | 270 | 28.0 | 314 | 32.5 | 966 | 100.0 |
| WA | 226 | 3.0 | 503 | 6.7 | 995 | 13.3 | 1,439 | 19.3 | 2,049 | 27.5 | 2,243 | 30.1 | 7,455 | 100.0 |
| WY | 4 | 2.1 | 14 | 7.3 | 23 | 12.0 | 38 | 19.9 | 39 | 20.4 | 73 | 38.2 | 191 | 100.0 |
| TOTAL | 9,171 | 3.8 | 16,710 | 6.9 | 32,679 | 13.5 | 45,031 | 18.6 | 67,953 | 28.0 | 70,963 | 29.3 | 242,507 | 100.0 |
| Abortion ratio^f | 1,426 | | 1,020 | | 883 | | 719 | | 735 | | 583 | | 720 | |

* All states for which data are available (36)

† Distribution based on data from state health department survey of hospitals and clinics; total estimated by CDC

§ Annual data are based on 9½ months of reported data from state health department.

|| Residents only

^f Calculated as the number of legal abortions obtained by women of a given age per 1,000 live births to women of the same age. "Unknown" age for each state is distributed according to known age distribution for that state.

TABLE 9. Reported legal abortions, by weeks of gestation and state of occurrence, selected states*, 1982

| State | <8 | | 9-10 | | 11-12 | | 13-15 | | 16-20 | | >21 | | Unknown | | Total | |
|-----------|--------|------|----------------------|------|---------------------|------|---------------------|-----|---------------------|-----|-------------------|-----|---------|------|---------|-------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| AR | 4,190 | 61.8 | 1,358 | 20.0 | 630 | 9.3 | 255 | 3.8 | 205 | 3.0 | 114 | 1.7 | 27 | 0.4 | 6,779 | 100.0 |
| AZ† | 5,253 | 41.9 | 3,435 | 27.4 | 1,876 | 15.0 | 1,127 | 9.0 | 492 | 3.9 | 40 | 0.3 | 316 | 2.5 | 12,539 | 100.0 |
| CA§ | 82,003 | 39.6 | 54,537 | 26.3 | 27,872 | 13.5 | 15,903 | 7.7 | 12,049 | 5.8 | 3,421 | 1.7 | 11,314 | 5.5 | 207,099 | 100.0 |
| CO | 5,936 | 35.6 | 5,710 | 34.2 | 2,605 | 15.6 | 1,104 | 6.6 | 1,013 | 6.1 | 130 | 0.8 | 187 | 1.1 | 16,685 | 100.0 |
| CT† | 8,443 | 45.8 | 5,832 | 31.6 | 2,529 | 13.7 | 463 | 2.5 | 171 | 0.9 | 16 | 0.1 | 995 | 5.4 | 18,449 | 100.0 |
| DC | 12,894 | 53.3 | 5,588 | 23.1 | 2,535 | 10.5 | 1,435 | 5.9 | 574 | 2.4 | 173 | 0.7 | 1,008 | 4.2 | 24,207 | 100.0 |
| GA | 15,416 | 46.4 | 8,687 | 26.2 | 4,377 | 13.2 | 990 | 3.0 | 1,349 | 4.1 | 1,176 | 3.5 | 1,218 | 3.7 | 33,213 | 100.0 |
| HI | 3,295 | 52.9 | 1,618 | 26.0 | 678 | 10.9 | 336 | 5.4 | 252 | 4.0 | 36 | 0.6 | 9 | 0.1 | 6,224 | 100.0 |
| ID | 1,133 | 46.6 | 718 | 29.5 | 426 | 17.5 | 138 | 5.7 | 6 | 0.2 | 1 | 0.0 | 9 | 0.4 | 2,431 | 100.0 |
| IL† | 34,635 | 52.0 | 20,470 | 30.7 | 8,421 | 12.6 | 1,385 | 2.1 | 609 | 0.9 | 10 | 0.0 | 1,083 | 1.6 | 66,613 | 100.0 |
| IN | 10,228 | 64.7 | 3,920 | 24.8 | 1,254 | 7.9 | 35 | 0.2 | 52 | 0.3 | 2 | 0.0 | 315 | 2.0 | 15,806 | 100.0 |
| KS† | 3,265 | 32.7 | 2,650 | 26.6 | 1,785 | 17.9 | 765 | 7.7 | 790 | 7.9 | 664 | 6.7 | 57 | 0.6 | 9,976 | 100.0 |
| LA | 9,816 | 49.6 | 4,514 | 22.8 | 2,089 | 10.6 | 1,212 | 6.1 | 468 | 2.4 | 2 | 0.0 | 1,693 | 8.6 | 19,794 | 100.0 |
| MD | 13,868 | 53.2 | 7,180 | 27.5 | 3,448 | 13.2 | 629 | 2.4 | 909 | 3.5 | 49 | 0.2 | 1 | 0.0 | 26,084 | 100.0 |
| ME† | 1,556 | 54.7 | 916 | 32.2 | 297 | 10.4 | 23 | 0.8 | 32 | 1.1 | 0 | 0.0 | 20 | 0.7 | 2,844 | 100.0 |
| MI | 18,450 | 42.4 | 11,832 | 27.2 | 5,465 | 12.6 | 3,770 | 8.7 | 2,476 | 5.7 | 758 | 1.7 | 761 | 1.7 | 43,512 | 100.0 |
| MN | 8,188 | 46.1 | 4,841 | 27.3 | 2,305 | 13.0 | 1,235 | 7.0 | 962 | 5.4 | 227 | 1.3 | 0 | 0.0 | 17,758 | 100.0 |
| MO | 7,366 | 38.3 | 6,097 | 31.7 | 3,274 | 17.0 | 1,247 | 6.5 | 423 | 2.2 | 55 | 0.3 | 764 | 4.0 | 19,226 | 100.0 |
| MS | 2,303 | 44.8 | 1,622 | 31.5 | 788 | 15.3 | 275 | 5.3 | 25 | 0.5 | 14 | 0.3 | 118 | 2.3 | 5,145 | 100.0 |
| MT | 1,290 | 30.9 | 1,583 | 37.9 | 847 | 20.3 | 211 | 5.1 | 74 | 1.8 | 4 | 0.1 | 166 | 4.0 | 4,175 | 100.0 |
| NC | 13,524 | 42.5 | 8,761 | 27.6 | 4,786 | 15.1 | 2,541 | 8.0 | 1,108 | 3.5 | 153 | 0.5 | 925 | 2.9 | 31,798 | 100.0 |
| ND | 1,714 | 55.7 | 907 | 29.5 | 333 | 10.8 | 93 | 3.0 | 18 | 0.6 | 0 | 0.0 | 11 | 0.4 | 3,076 | 100.0 |
| NJ | 15,700 | 51.9 | 7,032 | 23.2 | 3,250 | 10.7 | 2,004 | 6.6 | 2,117 | 7.0 | 166 | 0.5 | 0 | 0.0 | 30,269 | 100.0 |
| NM | 2,320 | 44.5 | 1,522 | 29.2 | 708 | 13.6 | 402 | 7.7 | 223 | 4.3 | 0 | 0.0 | 38 | 0.7 | 5,213 | 100.0 |
| NV | 4,733 | 69.7 | 1,047 | 15.4 | 570 | 8.4 | 250 | 3.7 | 153 | 2.3 | 19 | 0.3 | 22 | 0.3 | 6,794 | 100.0 |
| NY | 84,636 | 51.4 | 40,502 | 24.6 | 18,662 | 11.3 | 8,281 | 5.0 | 7,857 | 4.8 | 3,015 | 1.8 | 1,780 | 1.1 | 164,733 | 100.0 |
| (City) | 55,566 | 52.7 | 24,514 | 23.2 | 11,407 | 10.8 | 5,523 | 5.2 | 5,834 | 5.5 | 2,415 | 2.3 | 207 | 0.2 | 105,466 | 100.0 |
| (Upstate) | 29,070 | 49.0 | 15,988 | 27.0 | 7,255 | 12.2 | 2,758 | 4.7 | 2,023 | 3.4 | 600 | 1.0 | 1,573 | 2.7 | 59,267 | 100.0 |
| OH | 29,852 | 59.2 | 5,551 | 11.0 | 1,475 | 2.9 | 547 | 1.1 | 345 | 0.7 | 206 | 0.4 | 12,414 | 24.6 | 50,390 | 100.0 |
| OK | 6,158 | 49.6 | 3,423 | 27.6 | 1,708 | 13.7 | 402 | 3.2 | 32 | 0.3 | 26 | 0.2 | 675 | 5.4 | 12,424 | 100.0 |
| OR | 5,930 | 46.3 | 3,731 | 29.1 | 1,724 | 13.5 | 734 | 5.7 | 383 | 3.0 | 42 | 0.3 | 263 | 2.1 | 12,807 | 100.0 |
| PA | 37,255 | 61.3 | 14,367 | 23.6 | 4,952 | 8.1 | 1,933 | 3.2 | 1,967 | 3.2 | 59 | 0.1 | 239 | 0.4 | 60,772 | 100.0 |
| RI | 3,471 | 45.1 | 2,729 | 35.4 | 899 | 11.7 | 373 | 4.8 | 224 | 2.9 | 3 | 0.0 | 4 | 0.1 | 7,703 | 100.0 |
| SC† | 7,243 | 57.4 | 3,437 | 27.2 | 1,377 | 10.9 | 436 | 3.5 | 92 | 0.7 | 6 | 0.0 | 25 | 0.2 | 12,616 | 100.0 |

TABLE 9. Reported legal abortions, by weeks of gestation and state of occurrence, selected states*, 1982 — Continued

| State | <8 | | 9-10 | | 11-12 | | 13-15 | | 16-20 | | >21 | | Unknown | | Total | |
|-----------------|----------------|-------------|----------------|-------------|----------------|-------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|------------------|--------------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| TN | 8,336 | 40.2 | 6,482 | 31.3 | 3,955 | 19.1 | 1,108 | 5.3 | 246 | 1.2 | 81 | 0.4 | 521 | 2.5 | 20,729 | 100.0 |
| UT [¶] | 1,622 | 43.3 | 1,297 | 34.6 | 512 | 13.7 | 243 | 6.5 | 65 | 1.7 | 4 | 0.1 | 1 | 0.0 | 3,744 | 100.0 |
| VA [†] | 18,311 | 57.5 | 7,695 | 24.1 | 3,759 | 11.8 | 510 | 1.6 | 1,106 | 3.5 | 96 | 0.3 | 392 | 1.2 | 31,869 | 100.0 |
| VT | 2,153 | 61.5 | 915 | 26.2 | 338 | 9.7 | 76 | 2.2 | 10 | 0.3 | 1 | 0.0 | 5 | 0.1 | 3,498 | 100.0 |
| WA [†] | 17,767 | 60.6 | 7,026 | 24.0 | 2,974 | 10.2 | 705 | 2.4 | 708 | 2.4 | 92 | 0.3 | 26 | 0.1 | 29,298 | 100.0 |
| WY [†] | 467 | 66.9 | 179 | 25.6 | 46 | 6.6 | 2 | 0.3 | 1 | 0.1 | 0 | 0.0 | 3 | 0.4 | 698 | 100.0 |
| TOTAL | 510,720 | 48.8 | 269,711 | 25.8 | 125,529 | 12.0 | 53,178 | 5.1 | 39,586 | 3.8 | 10,861 | 1.0 | 37,405 | 3.6 | 1,046,990 | 100.0 |

* All states for which data are available (37) and the District of Columbia

† Weeks of gestation is physician's estimate.

§ Distribution based on data from state health department survey of hospitals and clinics; total estimated by CDC

|| Reallocation of reported abortions into comparable categories based on percentage distribution of abortions by single weeks of gestation reported by 31 states

¶ Residents only

TABLE 10. Reported legal abortions, by weeks of gestation and state of occurrence, selected states*, 1983

| State | <8 | | 9-10 | | 11-12 | | 13-15 | | 16-20 | | >21 | | Unknown | | Total | |
|-----------|--------|------|----------------------|------|---------------------|------|---------------------|-----|---------------------|-----|-------------------|-----|---------|------|---------|-------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| AR | 3,872 | 59.3 | 1,383 | 21.2 | 561 | 8.6 | 324 | 5.0 | 217 | 3.3 | 107 | 1.6 | 68 | 1.0 | 6,532 | 100.0 |
| AZ† | 5,805 | 42.5 | 4,079 | 29.9 | 1,894 | 13.9 | 1,072 | 7.8 | 624 | 4.6 | 16 | 0.1 | 174 | 1.3 | 13,664 | 100.0 |
| CA§ | 80,833 | 38.6 | 57,555 | 27.5 | 30,385 | 14.5 | 16,614 | 7.9 | 11,285 | 5.4 | 2,163 | 1.0 | 10,646 | 5.1 | 209,481 | 100.0 |
| CO | 6,350 | 37.8 | 5,687 | 33.9 | 2,549 | 15.2 | 1,147 | 6.8 | 857 | 5.1 | 140 | 0.8 | 63 | 0.4 | 16,793 | 100.0 |
| CT† | 8,830 | 47.3 | 5,952 | 31.9 | 2,224 | 11.9 | 443 | 2.4 | 112 | 0.6 | 9 | 0.0 | 1,083 | 5.8 | 18,653 | 100.0 |
| DC | 12,616 | 55.2 | 4,662 | 20.4 | 2,338 | 10.2 | 1,403 | 6.1 | 785 | 3.4 | 240 | 1.0 | 823 | 3.6 | 22,867 | 100.0 |
| GA | 13,673 | 39.6 | 9,425 | 27.3 | 5,739 | 16.6 | 2,628 | 7.6 | 1,479 | 4.3 | 658 | 1.9 | 912 | 2.6 | 34,514 | 100.0 |
| HI | 3,097 | 51.3 | 1,612 | 26.7 | 688 | 11.4 | 350 | 5.8 | 251 | 4.2 | 27 | 0.4 | 16 | 0.3 | 6,041 | 100.0 |
| ID | 1,154 | 47.0 | 670 | 27.3 | 476 | 19.4 | 118 | 4.8 | 8 | 0.3 | 1 | 0.0 | 29 | 1.2 | 2,456 | 100.0 |
| IL†,† | 33,463 | 51.1 | 18,801 | 28.7 | 8,811 | 13.5 | 1,978 | 3.0 | 855 | 1.3 | 22 | 0.0 | 1,504 | 2.3 | 65,434 | 100.0 |
| IN† | 9,175 | 66.0 | 3,104 | 22.3 | 1,245 | 9.0 | 46 | 0.3 | 41 | 0.3 | 2 | 0.0 | 285 | 2.1 | 13,898 | 100.0 |
| KS† | 2,840 | 33.2 | 2,271 | 26.6 | 1,624 | 19.0 | 617 | 7.2 | 536 | 6.3 | 560 | 6.6 | 99 | 1.2 | 8,547 | 100.0 |
| LA | 9,183 | 47.2 | 4,456 | 22.9 | 1,919 | 9.9 | 1,267 | 6.5 | 695 | 3.6 | 5 | 0.0 | 1,910 | 9.8 | 19,435 | 100.0 |
| MD | 13,597 | 52.8 | 7,056 | 27.4 | 3,282 | 12.8 | 834 | 3.2 | 926 | 3.6 | 36 | 0.1 | 1 | 0.0 | 25,732 | 100.0 |
| ME† | 2,134 | 55.6 | 992 | 25.9 | 474 | 12.4 | 146 | 3.8 | 64 | 1.7 | 1 | 0.0 | 25 | 0.7 | 3,836 | 100.0 |
| MI | 17,015 | 42.0 | 10,584 | 26.1 | 4,995 | 12.3 | 3,270 | 8.1 | 2,008 | 5.0 | 676 | 1.7 | 1,980 | 4.9 | 40,528 | 100.0 |
| MN | 7,645 | 46.5 | 4,383 | 26.7 | 2,191 | 13.3 | 1,092 | 6.6 | 900 | 5.5 | 217 | 1.3 | 0 | 0.0 | 16,428 | 100.0 |
| MO | 7,686 | 40.0 | 5,909 | 30.8 | 3,192 | 16.6 | 1,425 | 7.4 | 495 | 2.6 | 57 | 0.3 | 435 | 2.3 | 19,199 | 100.0 |
| MS | 2,101 | 46.1 | 1,346 | 29.5 | 718 | 15.7 | 249 | 5.5 | 30 | 0.7 | 7 | 0.2 | 109 | 2.4 | 4,560 | 100.0 |
| MT | 1,326 | 32.7 | 1,443 | 35.5 | 797 | 19.6 | 264 | 6.5 | 52 | 1.3 | 6 | 0.1 | 173 | 4.3 | 4,061 | 100.0 |
| NC | 13,879 | 42.1 | 8,865 | 26.9 | 4,915 | 14.9 | 2,906 | 8.8 | 1,160 | 3.5 | 142 | 0.4 | 1,085 | 3.3 | 32,952 | 100.0 |
| ND | 1,704 | 56.3 | 866 | 28.6 | 316 | 10.4 | 107 | 3.5 | 27 | 0.9 | 0 | 0.0 | 8 | 0.3 | 3,028 | 100.0 |
| NJ | 12,777 | 51.7 | 5,785 | 23.4 | 2,422 | 9.8 | 1,587 | 6.4 | 1,955 | 7.9 | 196 | 0.8 | 0 | 0.0 | 24,722 | 100.0 |
| NM | 2,291 | 44.2 | 1,482 | 28.6 | 696 | 13.4 | 392 | 7.6 | 301 | 5.8 | 13 | 0.3 | 7 | 0.1 | 5,182 | 100.0 |
| NV | 4,050 | 66.8 | 1,059 | 17.5 | 490 | 8.1 | 300 | 4.9 | 138 | 2.3 | 12 | 0.2 | 13 | 0.2 | 6,062 | 100.0 |
| NY | 79,044 | 51.1 | 38,405 | 24.8 | 17,674 | 11.4 | 8,020 | 5.2 | 6,983 | 4.5 | 2,871 | 1.9 | 1,715 | 1.1 | 154,712 | 100.0 |
| (City) | 52,260 | 52.1 | 23,605 | 23.5 | 10,913 | 10.9 | 5,558 | 5.5 | 5,291 | 5.3 | 2,366 | 2.4 | 329 | 0.3 | 100,322 | 100.0 |
| (Upstate) | 26,784 | 49.2 | 14,800 | 27.2 | 6,761 | 12.4 | 2,462 | 4.5 | 1,692 | 3.1 | 505 | 0.9 | 1,386 | 2.5 | 54,390 | 100.0 |
| OH | 25,106 | 56.2 | 4,652 | 10.4 | 1,494 | 3.3 | 641 | 1.4 | 406 | 0.9 | 668 | 1.5 | 11,742 | 26.3 | 44,709 | 100.0 |
| OK | 4,981 | 42.4 | 3,546 | 30.2 | 2,043 | 17.4 | 605 | 5.1 | 89 | 0.8 | 29 | 0.2 | 466 | 4.0 | 11,759 | 100.0 |
| OR | 5,701 | 47.3 | 3,507 | 29.1 | 1,654 | 13.7 | 633 | 5.2 | 415 | 3.4 | 91 | 0.8 | 63 | 0.5 | 12,064 | 100.0 |
| PA | 35,815 | 60.4 | 14,020 | 23.6 | 4,772 | 8.0 | 2,445 | 4.1 | 1,996 | 3.4 | 44 | 0.1 | 196 | 0.3 | 59,288 | 100.0 |
| RI | 3,335 | 47.8 | 2,156 | 30.9 | 852 | 12.2 | 383 | 5.5 | 242 | 3.5 | 0 | 0.0 | 16 | 0.2 | 6,984 | 100.0 |
| SC† | 7,309 | 60.1 | 3,137 | 25.8 | 1,230 | 10.1 | 363 | 3.0 | 89 | 0.7 | 2 | 0.0 | 34 | 0.3 | 12,164 | 100.0 |

TABLE 10. Reported legal abortions, by weeks of gestation and state of occurrence, selected states*, 1983 — Continued

| State | <8 | | 9-10 | | 11-12 | | 13-15 | | 16-20 | | >21 | | Unknown | | Total | |
|--------------|----------------|-------------|----------------|-------------|----------------|-------------|---------------|------------|---------------|------------|--------------|------------|---------------|------------|------------------|--------------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| TN | 8,247 | 39.8 | 6,665 | 32.2 | 3,960 | 19.1 | 1,167 | 5.6 | 209 | 1.0 | 85 | 0.4 | 393 | 1.9 | 20,726 | 100.0 |
| UT** | 1,571 | 44.7 | 1,145 | 32.6 | 455 | 12.9 | 202 | 5.7 | 96 | 2.7 | 0 | 0.0 | 48 | 1.4 | 3,517 | 100.0 |
| VA† | 18,953 | 60.5 | 8,011 | 25.6 | 2,751 | 8.8 | 366 | 1.2 | 835 | 2.7 | 115 | 0.4 | 308 | 1.0 | 31,339 | 100.0 |
| VT | 2,100 | 62.6 | 809 | 24.1 | 328 | 9.8 | 103 | 3.1 | 13 | 0.4 | 0 | 0.0 | 2 | 0.1 | 3,355 | 100.0 |
| WA† | 16,460 | 59.1 | 6,483 | 23.3 | 2,733 | 9.8 | 1,117 | 4.0 | 912 | 3.3 | 120 | 0.4 | 31 | 0.1 | 27,856 | 100.0 |
| WY† | 452 | 63.6 | 214 | 30.1 | 40 | 5.6 | 2 | 0.3 | 1 | 0.1 | 0 | 0.0 | 2 | 0.3 | 711 | 100.0 |
| TOTAL | 486,170 | 48.0 | 262,177 | 25.9 | 124,927 | 12.3 | 56,626 | 5.6 | 38,087 | 3.8 | 9,338 | 0.9 | 36,464 | 3.6 | 1,013,789 | 100.0 |

* All states for which data are available (37) and the District of Columbia

† Weeks of gestation is physician's estimate.

§ Distribution based on data from state health department survey of hospitals and clinics; total estimated by CDC

|| Reallocation of reported abortions into comparable categories based on percentage distribution of abortions by single weeks of gestation reported by 31 states

¶ Annual data are based on 9½ months of reported data from the state health department.

**Residents only

TABLE 11. Reported legal abortions by type of procedure and state of occurrence, selected states*, 1982

| State | Suction curettage | | Sharp curettage | | Intrauterine saline instillation | | Intrauterine prostaglandin instillation | | Hysterotomy/hysterectomy | | Other† | | Unknown | | Total | |
|------------------|-----------------------|------|-----------------|------|----------------------------------|-----|---|-----|--------------------------|-----|---------------------|-----|---------|-----|---------|-------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| AR | 5,888 | 86.9 | 154 | 2.3 | 2 | 0.0 | 188 | 2.8 | 11 | 0.2 | 155 | 2.3 | 381 | 5.6 | 6,779 | 100.0 |
| AZ | 11,916 | 95.0 | 17 | 0.1 | — | — | 1 | 0.0 | 2 | 0.0 | 168 | 1.3 | 435 | 3.5 | 12,539 | 100.0 |
| CA [§] | 177,422 | 85.7 | 24,607 | 11.9 | 2,110 | 1.0 | 1,022 | 0.5 | 169 | 0.1 | — | — | 1,769 | 0.9 | 207,099 | 100.0 |
| CO | 15,575 | 93.3 | 63 | 0.4 | 37 | 0.2 | 624 | 3.7 | 11 | 0.1 | 365 | 2.2 | 10 | 0.1 | 16,685 | 100.0 |
| CT | 17,865 [¶] | 96.8 | 10 | 0.1 | 137 ^{**} | 0.7 | — ^{**} | — | 1 | 0.0 | 52 | 0.3 | 384 | 2.1 | 18,449 | 100.0 |
| DC | 21,153 | 87.4 | 2,572 | 10.6 | 348 | 1.4 | 0 | 0.0 | 1 | 0.0 | 16 | 0.1 | 117 | 0.5 | 24,207 | 100.0 |
| GA | 28,787 | 86.7 | 2,144 | 6.5 | 2,043 | 6.2 | 95 | 0.3 | 41 | 0.1 | 97 | 0.3 | 6 | 0.0 | 33,213 | 100.0 |
| HI | 5,761 | 92.6 | 7 | 0.1 | 4 | 0.1 | 123 | 2.0 | 0 | 0.0 | 324 | 5.2 | 5 | 0.1 | 6,224 | 100.0 |
| ID | 2,417 | 99.4 | 7 | 0.3 | 3 | 0.1 | 1 | 0.0 | 3 | 0.1 | 0 | 0.0 | 0 | 0.0 | 2,431 | 100.0 |
| IL | 64,374 | 96.6 | 87 | 0.1 | 3 | 0.0 | 530 | 0.8 | 14 | 0.0 | 389 | 0.6 | 1,216 | 1.8 | 66,613 | 100.0 |
| IN | 14,869 | 94.1 | 129 | 0.8 | 3 | 0.0 | 0 | 0.0 | 7 | 0.0 | 250 | 1.6 | 548 | 3.5 | 15,806 | 100.0 |
| KS | 8,885 | 89.1 | 80 | 0.8 | 5 | 0.1 | 64 | 0.6 | 7 | 0.1 | 925 | 9.3 | 10 | 0.1 | 9,976 | 100.0 |
| LA | 19,081 | 96.4 | 41 | 0.2 | 0 | 0.0 | 1 | 0.0 | 5 | 0.0 | 527 | 2.7 | 139 | 0.7 | 19,794 | 100.0 |
| MD | 24,911 | 95.5 | 188 | 0.7 | 267 | 1.0 | 76 | 0.3 | 6 | 0.0 | 636 | 2.4 | 0 | 0.0 | 26,084 | 100.0 |
| ME ^{††} | 2,758 | 70.4 | 1,085 | 27.7 | 11 | 0.3 | 21 | 0.5 | 6 | 0.2 | 35 | 0.9 | 0 | 0.0 | 3,916 | 100.0 |
| MI | 40,990 | 94.2 | 169 | 0.4 | 2,194 | 5.0 | 153 | 0.4 | 6 | 0.0 | 0 | 0.0 | 0 | 0.0 | 43,512 | 100.0 |
| MN | 15,493 | 87.2 | 3 | 0.0 | — ^{§§} | — | — ^{§§} | — | — ^{§§} | — | 2,262 ^{§§} | 2.7 | 0 | 0.0 | 17,758 | 100.0 |
| MO | 18,136 | 94.3 | 25 | 0.1 | 1 | 0.0 | 5 | 0.0 | 2 | 0.0 | 976 | 5.1 | 81 | 0.4 | 19,226 | 100.0 |
| MS | 5,098 | 99.1 | 10 | 0.2 | 1 | 0.0 | 8 | 0.2 | 21 | 0.4 | 7 | 0.1 | 0 | 0.0 | 5,145 | 100.0 |
| MT | 4,075 | 97.6 | 7 | 0.2 | 1 | 0.0 | 60 | 1.4 | 1 | 0.0 | 31 | 0.7 | 0 | 0.0 | 4,175 | 100.0 |
| NC | 30,144 | 94.8 | 182 | 0.6 | 515 | 1.6 | 488 | 1.5 | 44 | 0.1 | 21 | 0.1 | 404 | 1.3 | 31,798 | 100.0 |
| ND | 3,052 | 99.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 24 | 0.8 | 3,076 | 100.0 |
| NE ^{††} | 5,689 | 99.6 | 18 | 0.3 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 4 | 0.1 | 5,713 | 100.0 |
| NJ | 14,744 | 48.7 | 13,940 | 46.1 | 1,283 | 4.2 | 64 | 0.2 | 10 | 0.0 | 7 | 0.0 | 221 | 0.7 | 30,269 | 100.0 |
| NM | 4,919 | 94.4 | 12 | 0.2 | 6 | 0.1 | 0 | 0.0 | 1 | 0.0 | 230 | 4.4 | 45 | 0.9 | 5,213 | 100.0 |
| NV | 6,751 | 99.4 | 2 | 0.0 | 4 | 0.1 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 36 | 0.5 | 6,794 | 100.0 |
| NY | 143,885 | 87.3 | 6,601 | 4.0 | 9,607 | 5.8 | 1,234 | 0.7 | 31 | 0.0 | 2,188 | 1.3 | 1,187 | 0.7 | 164,733 | 100.0 |
| (City) | 91,338 | 86.6 | 3,711 | 3.5 | 7,358 | 7.0 | 875 | 0.8 | 12 | 0.0 | 1,877 | 1.8 | 295 | 0.3 | 105,466 | 100.0 |
| (Upstate) | 52,547 | 88.7 | 2,890 | 4.9 | 2,249 | 3.8 | 359 | 0.6 | 19 | 0.0 | 311 | 0.5 | 892 | 1.5 | 59,267 | 100.0 |
| OH ^{††} | 49,154 | 87.9 | 5,910 | 10.6 | 185 | 0.3 | 0 | 0.0 | 7 | 0.0 | 262 | 0.5 | 398 | 0.7 | 55,916 | 100.0 |
| OK | 11,347 | 91.3 | 1,045 | 8.4 | 1 | 0.0 | 3 | 0.0 | 2 | 0.0 | 1 | 0.0 | 25 | 0.2 | 12,424 | 100.0 |
| OR | 12,309 | 96.1 | 131 | 1.0 | 6 | 0.0 | 224 | 1.7 | 1 | 0.0 | 83 | 0.6 | 53 | 0.4 | 12,807 | 100.0 |

TABLE 11. Reported legal abortions by type of procedure and state of occurrence, selected states*, 1982 — Continued

| State | Suction curettage | | Sharp curettage | | Intrauterine saline instillation | | Intrauterine prostaglandin instillation | | Hysterotomy/hysterectomy | | Other† | | Unknown | | Total | |
|--------------|-------------------|-------------|-----------------|------------|----------------------------------|------------|---|------------|--------------------------|------------|---------------|------------|--------------|------------|------------------|--------------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| PA | 57,430 | 94.5 | 1,784 | 2.9 | 1,003 | 1.7 | 194 | 0.3 | 10 | 0.0 | 331 | 0.5 | 20 | 0.0 | 60,772 | 100.0 |
| RI | 7,552 | 98.0 | 10 | 0.1 | 131 | 1.7 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 9 | 0.1 | 7,703 | 100.0 |
| SC | 12,417 | 98.4 | 47 | 0.4 | 20 | 0.2 | 67 | 0.5 | 14 | 0.1 | 51 | 0.4 | 0 | 0.0 | 12,616 | 100.0 |
| TN | 20,521 | 99.0 | 37 | 0.2 | 0 | 0.0 | 156 | 0.8 | 15 | 0.1 | 0 | 0.0 | 0 | 0.0 | 20,729 | 100.0 |
| UT‡ | 3,736 | 99.8 | 3 | 0.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 0.1 | 3,744 | 100.0 |
| VA | 30,848 | 96.8 | 111 | 0.3 | 351 | 1.1 | 126 | 0.4 | 19 | 0.1 | 102 | 0.3 | 312 | 1.0 | 31,869 | 100.0 |
| VT | 3,483 | 99.6 | 5 | 0.1 | 1 | 0.0 | 9 | 0.3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3,498 | 100.0 |
| WA | 28,665 | 97.8 | 25 | 0.1 | 449 | 1.5 | 147 | 0.5 | 5 | 0.0 | 4 | 0.0 | 3 | 0.0 | 29,298 | 100.0 |
| WY | 687 | 98.4 | 3 | 0.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 1.1 | 698 | 100.0 |
| TOTAL | 952,787 | 89.9 | 61,271 | 5.8 | 20,732 | 2.0 | 5,686 | 0.5 | 474 | 0.0 | 10,496 | 1.0 | 7,855 | 0.7 | 1,059,301 | 100.0 |

* All states for which data are available (38) and the District of Columbia

† Includes instillation procedures not reported as a specific category, and procedures reported as "other" (see footnote**)

§ Distribution based on data from state health department survey of hospitals and clinics; total estimated by CDC

‡ Reported as suction curettage and other

¶ Includes abortions done by both suction and sharp curettage

** Intrauterine prostaglandin instillation included with intrauterine saline instillation

†† Does not add to total abortions because of some reported combination procedures.

§§ Instillation procedures, hysterotomy, and hysterectomy are reported as "other."

‡‡ Residents only

— Not reported

TABLE 12. Reported legal abortions by type of procedure and state of occurrence, selected states*, 1983

| State | Suction curettage | | Sharp curettage | | Intrauterine saline instillation | | Intrauterine prostaglandin instillation | | Hysterotomy/hysterectomy | | Other† | | Unknown | | Total | |
|-------------------|-----------------------|------|-----------------|------|----------------------------------|-----|---|-----|--------------------------|-----|---------------------|------|---------|-----|---------|-------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| AR | 5,976 | 91.5 | 46 | 0.7 | 1 | 0.0 | 147 | 2.3 | 17 | 0.3 | 169 | 2.6 | 176 | 2.7 | 6,532 | 100.0 |
| AZ | 13,352 | 97.7 | 13 | 0.1 | — | — | 1 | 0.0 | — | — | — | — | 298 | 2.2 | 13,664 | 100.0 |
| CA [§] | 177,119 | 84.6 | 29,320 | 14.0 | 1,263 | 0.6 | 700 | 0.3 | 45 | 0.0 | — | — | 1,034 | 0.5 | 209,481 | 100.0 |
| CO | 15,613 | 93.0 | 50 | 0.3 | 18 | 0.1 | 743 | 4.4 | 10 | 0.1 | 350 | 2.1 | 9 | 0.1 | 16,793 | 100.0 |
| CT | 18,348 [†] | 98.4 | 14 | 0.1 | 74 ^{**} | 0.4 | — ^{**} | — | 1 | 0.0 | 35 | 0.2 | 181 | 1.0 | 18,653 | 100.0 |
| DC | 19,450 | 85.1 | 2,672 | 11.7 | 624 | 2.7 | — | — | — | — | 12 | 0.1 | 109 | 0.5 | 22,867 | 100.0 |
| GA | 30,301 | 87.8 | 2,464 | 7.1 | 1,546 | 4.5 | 67 | 0.2 | 37 | 0.1 | 89 | 0.3 | 10 | 0.0 | 34,514 | 100.0 |
| HI | 5,713 | 94.6 | 11 | 0.2 | 1 | 0.0 | 83 | 1.4 | 1 | 0.0 | 231 | 3.8 | 1 | 0.0 | 6,041 | 100.0 |
| ID | 2,450 | 99.8 | 4 | 0.2 | 2 | 0.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2,456 | 100.0 |
| IL ^{††} | 63,514 | 97.1 | 166 | 0.3 | 10 | 0.0 | 360 | 0.6 | 14 | 0.0 | 279 | 0.4 | 1,091 | 1.7 | 65,434 | 100.0 |
| IN | 13,226 | 95.2 | 47 | 0.3 | 1 | 0.0 | 0 | 0.0 | 2 | 0.0 | 242 | 1.7 | 380 | 2.7 | 13,898 | 100.0 |
| KS | 7,915 | 92.6 | 73 | 0.9 | 7 | 0.1 | 28 | 0.3 | 6 | 0.1 | 497 | 5.8 | 21 | 0.2 | 8,547 | 100.0 |
| LA | 17,935 | 92.3 | 42 | 0.2 | — | — | — | — | 3 | 0.0 | 1,097 | 5.6 | 358 | 1.8 | 19,435 | 100.0 |
| MD | 24,637 | 95.7 | 145 | 0.6 | 216 | 0.8 | 94 | 0.4 | 8 | 0.0 | 632 | 2.5 | 0 | 0.0 | 25,732 | 100.0 |
| ME | 3,737 | 97.4 | 57 | 1.5 | 4 | 0.1 | 8 | 0.2 | 2 | 0.1 | 28 | 0.7 | 0 | 0.0 | 3,836 | 100.0 |
| MI | 38,357 | 94.6 | 258 | 0.6 | 1,828 | 4.5 | 82 | 0.2 | 1 | 0.0 | 2 | 0.0 | 0 | 0.0 | 40,528 | 100.0 |
| MN | 14,348 | 87.3 | 3 | 0.0 | — ^{§§} | — | — ^{§§} | — | — ^{§§} | — | 2,077 ^{§§} | 12.6 | 0 | 0.0 | 16,428 | 100.0 |
| MO | 18,085 | 94.2 | 16 | 0.1 | 0 | 0.0 | 3 | 0.0 | 2 | 0.0 | 999 | 5.2 | 94 | 0.5 | 19,199 | 100.0 |
| MS | 4,523 | 99.2 | 8 | 0.2 | 0 | 0.0 | 6 | 0.1 | 15 | 0.3 | 7 | 0.2 | 1 | 0.0 | 4,560 | 100.0 |
| MT | 3,963 | 97.6 | 8 | 0.2 | 1 | 0.0 | 51 | 1.3 | 3 | 0.1 | 35 | 0.9 | 0 | 0.0 | 4,061 | 100.0 |
| NC | 30,303 | 92.0 | 448 | 1.4 | 559 | 1.7 | 438 | 1.3 | 43 | 0.1 | 12 | 0.0 | 1,149 | 3.5 | 32,952 | 100.0 |
| ND | 3,024 | 99.9 | — | — | — | — | — | — | — | — | — | — | 4 | 0.1 | 3,028 | 100.0 |
| NE | 5,592 | 99.1 | 21 | 0.4 | 1 | 0.0 | 1 | 0.0 | 2 | 0.0 | 23 | 0.4 | 3 | 0.1 | 5,643 | 100.0 |
| NJ | 13,644 | 55.2 | 9,930 | 40.2 | 989 | 4.0 | 53 | 0.2 | 11 | 0.0 | 15 | 0.1 | 80 | 0.3 | 24,722 | 100.0 |
| NM | 4,867 | 93.9 | 10 | 0.2 | 5 | 0.1 | — | — | — | — | 275 | 5.3 | 25 | 0.5 | 5,182 | 100.0 |
| NV | 6,040 | 99.6 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 21 | 0.3 | 6,062 | 100.0 |
| NY | 136,655 | 88.3 | 5,879 | 3.8 | 7,591 | 4.9 | 1,020 | 0.7 | 36 | 0.0 | 2,394 | 1.5 | 1,137 | 0.7 | 154,712 | 100.0 |
| (City) | 88,150 | 87.9 | 3,248 | 3.2 | 5,884 | 5.9 | 712 | 0.7 | 17 | 0.0 | 2,085 | 2.1 | 226 | 0.2 | 100,322 | 100.0 |
| (Upstate) | 48,505 | 89.2 | 2,631 | 4.8 | 1,707 | 3.1 | 308 | 0.6 | 19 | 0.0 | 309 | 0.6 | 911 | 1.7 | 54,390 | 100.0 |
| OH | 42,036 | 92.3 | 3,394 | 7.4 | 33 | 0.1 | — | — | — | — | 97 | 0.2 | 6 | 0.0 | 45,566 | 100.0 |
| OK | 10,554 | 89.8 | 1,120 | 9.5 | 60 | 0.5 | 1 | 0.0 | 10 | 0.1 | 0 | 0.0 | 14 | 0.1 | 11,759 | 100.0 |
| OR | 10,700 | 88.7 | 96 | 0.8 | 1 | 0.0 | 33 | 0.3 | 2 | 0.0 | 1,224 | 10.1 | 8 | 0.1 | 12,064 | 100.0 |

TABLE 12. Reported legal abortions by type of procedure and state of occurrence, selected states*, 1983 — Continued

| State | Suction curettage | | Sharp curettage | | Intrauterine saline instillation | | Intrauterine prostaglandin instillation | | Hysterotomy/hysterectomy | | Other† | | Unknown | | Total | |
|--------------|-------------------|-------------|-----------------|------------|----------------------------------|------------|---|------------|--------------------------|------------|---------------|------------|--------------|------------|------------------|--------------|
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| PA | 56,517 | 95.3 | 1,387 | 2.3 | 918 | 1.5 | 130 | 0.2 | 20 | 0.0 | 189 | 0.3 | 127 | 0.2 | 59,288 | 100.0 |
| RI | 6,862 | 98.3 | 12 | 0.2 | 91 | 1.3 | 0 | 0.0 | 0 | 0.0 | 11 | 0.2 | 8 | 0.1 | 6,984 | 100.0 |
| SC | 11,949 | 98.2 | 45 | 0.4 | 18 | 0.1 | 70 | 0.6 | 16 | 0.1 | 60 | 0.5 | 6 | 0.0 | 12,164 | 100.0 |
| TN | 20,620 | 99.5 | 31 | 0.1 | 0 | 0.0 | 64 | 0.3 | 11 | 0.1 | 0 | 0.0 | 0 | 0.0 | 20,726 | 100.0 |
| UT†† | 3,508 | 99.7 | 1 | 0.0 | 1 | 0.0 | — | — | — | — | 1 | 0.0 | 6 | 0.2 | 3,517 | 100.0 |
| VA | 30,622 | 97.7 | 59 | 0.2 | 276 | 0.9 | 139 | 0.4 | 26 | 0.1 | 58 | 0.2 | 159 | 0.5 | 31,339 | 100.0 |
| VT | 3,336 | 99.4 | 3 | 0.1 | 0 | 0.0 | 8 | 0.2 | 0 | 0.0 | 0 | 0.0 | 8 | 0.2 | 3,355 | 100.0 |
| WA | 27,338 | 98.1 | 26 | 0.1 | 328 | 1.2 | 155 | 0.6 | 6 | 0.0 | 3 | 0.0 | 0 | 0.0 | 27,856 | 100.0 |
| WY | 704 | 99.0 | 1 | 0.1 | — | — | 1 | 0.1 | 2 | 0.3 | — | — | 3 | 0.4 | 711 | 100.0 |
| TOTAL | 923,433 | 90.5 | 57,880 | 5.7 | 16,468 | 1.6 | 4,486 | 0.4 | 352 | 0.0 | 11,143 | 1.1 | 6,527 | 0.6 | 1,020,289 | 100.0 |

* All states for which data are available (37) and the District of Columbia

† Includes instillation procedures not reported as a specific category, and procedures reported as "other" (see footnote **)

§ Distribution based on data from state health department survey of hospitals and clinics; total estimated by CDC

|| Reported as suction curettage and other

¶ Includes abortions done by both suction and sharp curettage

** Intrauterine prostaglandin instillation included with intrauterine saline instillation

†† Annual data are based on 9½ months of reported data from state health department.

§§ Instillation procedures, hysterotomy and hysterectomy are reported as "other."

||| Does not add to total abortions because of some reported combination procedures.

†† Residents only

— Not reported

Approximately three-fourths of the women obtaining abortions in 1982 and 1983 were unmarried. The abortion ratio was more than 14 times higher for unmarried women than for married women: 1,379 versus 97 abortions/1,000 live births in 1982 and 1,308 versus 90/1,000 live births in 1983 (Table 14).

In both years, more than half of the women obtaining abortions had had no live births (Table 15). Furthermore, about 90% of the women obtaining abortions had had two or fewer live births. The abortion ratio was highest for women with no live births and lowest for women with one live birth.

Approximately 60% of the women obtaining abortions in 1982 and 1983 had the procedure for the first time (Table 16). In both years, however, more than 10% of the women obtaining abortions had had at least two previous abortions.

In 1982 and 1983, 32 states and 31 states, respectively, reported legal abortions by race and age group, and information on marital status was provided by 30 states (Tables 17 and 18). In both years, the percentage of women obtaining abortions who were ≤ 19 years of age was higher for whites than for black and other races. For both racial groups, approximately three-fourths of women obtaining abortions in 1982 and 1983 were unmarried.

TABLE 13. Percentage distribution and abortion ratios, by race, 1982 and 1983

| Year | Race | | | Total |
|------|-------------------------|-------------|---------|-------|
| | White | Black/Other | Unknown | |
| | % Distribution* | | | |
| 1982 | 65.7 | 30.2 | 4.1 | 100.0 |
| 1983 | 64.9 | 31.1 | 4.0 | 100.0 |
| | Abortion ratios† | | | |
| 1982 | 309 | 523 | | 357 |
| 1983 | 302 | 497 | | 348 |

*1982 based on 718,153 abortions from 34 states; 1983 based on 686,819 abortions from 34 states

†Calculated as the number of legal abortions obtained by women of a given race per 1,000 live births to women of the same race

TABLE 14. Percentage distribution and abortion ratios, by marital status, 1982 and 1983

| Year | Marital status | | | Total |
|------|-------------------------|-----------|---------|-------|
| | Married | Unmarried | Unknown | |
| | % Distribution* | | | |
| 1982 | 20.5 | 72.6 | 7.0 | 100.0 |
| 1983 | 19.8 | 73.0 | 7.1 | 100.0 |
| | Abortion ratios† | | | |
| 1982 | 97 | 1,379 | | 358 |
| 1983 | 90 | 1,308 | | 347 |

*1982 based on 936,127 abortions from 34 states; 1983 based on 906,413 abortions from 35 states

†Calculated as the number of legal abortions obtained by women of a given marital status per 1,000 live births to women of the same marital status

TABLE 15. Percentage distribution and abortion ratios, by number of live births, 1982 and 1983

| Year | Live births | | | | | Unknown | Total |
|------|--------------------------|------|------|-----|-----|---------|-------|
| | 0 | 1 | 2 | 3 | ≥4 | | |
| | % Distribution* | | | | | | |
| 1982 | 56.2 | 19.7 | 13.5 | 5.0 | 2.8 | 2.8 | 100.0 |
| 1983 | 55.2 | 20.1 | 13.8 | 5.0 | 2.7 | 3.2 | 100.0 |
| | Abortion ratios † | | | | | | |
| 1982 | 474 | 214 | 306 | 294 | 231 | | 342 |
| 1983 | 455 | 212 | 304 | 289 | 219 | | 332 |

*1982 based on 715,635 abortions from 34 states; 1983 based on 683,270 abortions from 34 states

†Calculated as the number of legal abortions obtained by women with a particular number of live births per 1,000 live births to women with the same number of live births

TABLE 16. Percentage distribution of reported legal abortions, by number of previous induced abortions, 1982 and 1983

| Year | Previous induced abortions | | | | Unknown | Total |
|------|----------------------------|------|-----|-----|---------|-------|
| | 0 | 1 | 2 | ≥3 | | |
| | % Distribution* | | | | | |
| 1982 | 61.0 | 23.8 | 7.8 | 3.1 | 4.3 | 100.0 |
| 1983 | 60.2 | 24.2 | 8.7 | 3.5 | 3.4 | 100.0 |

* 1982 based on 739,842 abortions from 35 states; 1983 based on 706,137 abortions from 35 states

TABLE 17. Number and percentage of reported legal abortions, by race, age group, and marital status, 1982

| Age group (years) | Race | | | | Total | |
|-----------------------------|----------------|--------------|----------------|--------------|----------------|--------------|
| | White | | Black/Other | | No. | % |
| | No. | % | No. | % | | |
| <15 | 2,791 | 0.6 | 3,128 | 1.6 | 5,919 | 0.9 |
| 15-19 | 124,541 | 27.5 | 45,652 | 23.1 | 170,193 | 26.2 |
| 20-24 | 160,568 | 35.5 | 66,806 | 33.8 | 227,374 | 35.0 |
| 25-29 | 89,359 | 19.7 | 44,693 | 22.6 | 134,052 | 20.6 |
| 30-34 | 46,478 | 10.3 | 23,970 | 12.1 | 70,448 | 10.8 |
| 35-39 | 21,838 | 4.8 | 10,274 | 5.2 | 32,112 | 4.9 |
| ≥40 | 6,882 | 1.5 | 3,061 | 1.5 | 9,943 | 1.5 |
| TOTAL (32 states) | 452,457 | 100.0 | 197,584 | 100.0 | 650,041 | 100.0 |
| Marital status | | | | | | |
| Married | 94,955 | 22.5 | 41,485 | 21.7 | 136,440 | 21.4 |
| Unmarried | 327,353 | 77.5 | 149,550 | 78.3 | 476,903 | 78.6 |
| TOTAL (30 states) | 422,308 | 100.0 | 191,035 | 100.0 | 613,343 | 100.0 |

TABLE 18. Number and percentage of reported legal abortions, by race, age group, and marital status, 1983

| Age group (years) | Race | | | | Total | |
|-----------------------------|----------------|--------------|----------------|--------------|----------------|--------------|
| | White | | Black/Other | | No. | % |
| | No. | % | No. | % | | |
| <15 | 2,808 | 0.7 | 3,505 | 1.8 | 6,313 | 1.0 |
| 15-19 | 111,479 | 27.2 | 45,346 | 23.5 | 156,825 | 26.0 |
| 20-24 | 143,635 | 35.1 | 64,991 | 33.7 | 208,626 | 34.6 |
| 25-29 | 81,588 | 19.9 | 43,504 | 22.6 | 125,092 | 20.8 |
| 30-34 | 42,682 | 10.4 | 22,881 | 11.9 | 65,563 | 10.9 |
| 35-39 | 20,806 | 5.1 | 9,743 | 5.1 | 30,549 | 5.1 |
| ≥40 | 6,341 | 1.5 | 2,821 | 1.5 | 9,162 | 1.5 |
| TOTAL (31 states) | 409,339 | 100.0 | 192,791 | 100.0 | 602,130 | 100.0 |
| Marital status | | | | | | |
| Married | 86,610 | 21.8 | 37,819 | 20.1 | 124,429 | 21.2 |
| Unmarried | 310,578 | 78.2 | 150,675 | 79.9 | 461,253 | 78.8 |
| TOTAL (30 states) | 397,188 | 100.0 | 188,494 | 100.0 | 585,682 | 100.0 |

More than 99% of abortions performed at ≤ 12 weeks of gestation were done by curettage (Tables 19 and 20). The most common procedure used at ≥ 13 weeks of gestation was dilatation and evacuation (D&E). Most intrauterine instillations were saline and were done at ≥ 16 weeks of gestation.

According to information reported to CDC, 18 women died as a result of abortion in 1982 (Table 21). Of the 18 deaths, 11 were associated with legally induced abortion, six with spontaneous abortion, and one with illegally induced abortion. Fourteen women reportedly died as a result of abortion in 1983; nine of these abortions were performed legally, four occurred spontaneously, and one was performed illegally. The death-to-case rate for legal abortion increased from 0.5/100,000 abortions in 1981 to 0.8/100,000 abortions in 1982. In 1983, the death-to-case rate was 0.7/100,000 abortions. The number of deaths and the death-to-case rate for 1983 are not final, since some deaths are still being investigated.

Discussion

From 1969 through 1982, the reported number of legal abortions in the United States increased every year (Figure 1). The largest percentage increase in the number of legal abortions occurred in the period 1969-1973. From 1976 through 1981, except for 1979, the annual percentage increase declined each year. In 1983, the reported number of legal abortions declined for the first time since abortion surveillance began in 1969.

From 1969 through 1980, the abortion ratio increased every year, but from 1980 through 1983 it declined each year (Figure 1). The abortion rate also increased every year until 1981, when it declined to 24 from 25/1,000 females ages 15-44 in 1980. The abortion rate remained at 24 in 1982 and declined again to 23/1,000 females ages 15-44 in 1983 (Figure 1).

TABLE 19. Number and percentage of reported legal abortions, by weeks of gestation, procedure, age group, and race, 1982

| | Weeks of gestation | | | | | | | | | | | | | |
|---|--------------------|--------------|----------------|--------------|----------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|----------------|--------------|
| | ≤8 | | 9-10 | | 11-12 | | 13-15 | | 16-20 | | ≥21 | | Total | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| Type of procedure | | | | | | | | | | | | | | |
| Suction curettage | 393,776 | 93.9 | 210,135 | 93.4 | 98,754 | 91.6 | 37,953 | 79.8 | 16,357 | 45.6 | 3,505 | 33.5 | 760,480 | 89.9 |
| Sharp curettage | 24,003 | 5.7 | 13,823 | 6.1 | 7,639 | 7.1 | 4,602 | 9.7 | 2,510 | 7.0 | 407 | 3.9 | 52,984 | 6.3 |
| Intrauterine saline instillation | 328 | 0.1 | 423 | 0.2 | 584 | 0.5 | 2,259 | 4.8 | 10,232 | 28.5 | 4,852 | 46.3 | 18,678 | 2.2 |
| Intrauterine prostaglandin instillation | 54 | 0.0 | 131 | 0.1 | 203 | 0.2 | 700 | 1.5 | 2,826 | 7.9 | 633 | 6.0 | 4,547 | 0.5 |
| Hysterotomy/hysterectomy | 137 | 0.0 | 58 | 0.0 | 66 | 0.1 | 37 | 0.1 | 68 | 0.2 | 11 | 0.1 | 377 | 0.0 |
| Other | 1,259 | 0.3 | 463 | 0.2 | 573 | 0.5 | 1,990 | 4.2 | 3,869 | 10.8 | 1,061 | 10.1 | 9,215 | 1.1 |
| TOTAL (33 states) | 419,557 | 100.0 | 225,033 | 100.0 | 107,819 | 100.0 | 47,541 | 100.0 | 35,862 | 100.0 | 10,469 | 100.0 | 846,281 | 100.0 |
| Age group (years) | | | | | | | | | | | | | | |
| <15 | 2,278 | 0.6 | 1,803 | 0.9 | 1,219 | 1.2 | 743 | 1.7 | 885 | 2.7 | 325 | 3.3 | 7,253 | 0.9 |
| 15-19 | 84,397 | 21.5 | 60,153 | 28.6 | 33,257 | 32.8 | 15,109 | 34.9 | 12,985 | 39.2 | 3,784 | 39.0 | 209,685 | 26.5 |
| 20-24 | 136,698 | 34.8 | 74,811 | 35.6 | 35,803 | 35.3 | 14,994 | 34.6 | 11,026 | 33.2 | 2,993 | 30.8 | 276,325 | 34.9 |
| 25-29 | 91,079 | 23.2 | 41,340 | 19.7 | 18,081 | 17.8 | 7,397 | 17.1 | 4,758 | 14.3 | 1,251 | 12.9 | 163,906 | 20.7 |
| 30-34 | 49,772 | 12.7 | 20,254 | 9.6 | 8,215 | 8.1 | 3,205 | 7.4 | 2,108 | 6.4 | 791 | 8.1 | 84,345 | 10.7 |
| 35-39 | 22,499 | 5.7 | 8,954 | 4.3 | 3,594 | 3.5 | 1,376 | 3.2 | 1,073 | 3.2 | 410 | 4.2 | 37,906 | 4.8 |
| ≥40 | 6,498 | 1.7 | 2,826 | 1.3 | 1,256 | 1.2 | 497 | 1.1 | 328 | 1.0 | 160 | 1.6 | 11,565 | 1.5 |
| TOTAL (32 states) | 393,221 | 100.0 | 210,141 | 100.0 | 101,425 | 100.0 | 43,321 | 100.0 | 33,163 | 100.0 | 9,714 | 100.0 | 790,985 | 100.0 |
| Race | | | | | | | | | | | | | | |
| White | 197,702 | 72.1 | 99,174 | 69.1 | 45,391 | 65.8 | 16,653 | 63.4 | 11,841 | 57.8 | 3,896 | 64.0 | 374,657 | 69.5 |
| Black/other | 76,342 | 27.9 | 44,256 | 30.9 | 23,582 | 34.2 | 9,622 | 36.6 | 8,640 | 42.2 | 2,196 | 36.0 | 164,638 | 30.5 |
| TOTAL (29 states) | 274,044 | 100.0 | 143,430 | 100.0 | 68,973 | 100.0 | 26,275 | 100.0 | 20,481 | 100.0 | 6,092 | 100.0 | 539,295 | 100.0 |

TABLE 20. Number and percentage of reported legal abortions, by weeks of gestation, procedure, age group, and race, 1983

| | Weeks of gestation | | | | | | | | | | | | | |
|--|--------------------|--------------|----------------|--------------|----------------|--------------|---------------|--------------|---------------|--------------|--------------|--------------|----------------|--------------|
| | ≤8 | | 9-10 | | 11-12 | | 13-15 | | 16-20 | | ≥21 | | Total | |
| | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % | No. | % |
| Type of procedure | | | | | | | | | | | | | | |
| Suction curettage | 397,116 | 94.4 | 220,331 | 94.0 | 104,881 | 92.4 | 41,295 | 81.4 | 17,826 | 52.6 | 3,625 | 42.6 | 785,074 | 91.1 |
| Sharp curettage | 21,998 | 5.2 | 12,757 | 5.4 | 7,239 | 6.4 | 4,829 | 9.5 | 2,479 | 7.3 | 392 | 4.6 | 49,694 | 5.8 |
| Intrauterine saline Instillation | 425 | 0.1 | 450 | 0.2 | 545 | 0.5 | 1,932 | 3.8 | 7,781 | 22.9 | 3,242 | 38.1 | 14,375 | 1.7 |
| Intrauterine prosta- glandin Instillation | 100 | 0.0 | 160 | 0.1 | 291 | 0.3 | 644 | 1.3 | 2,501 | 7.4 | 361 | 4.2 | 4,057 | 0.5 |
| Hysterotomy/ hysterectomy | 94 | 0.0 | 58 | 0.0 | 41 | 0.0 | 29 | 0.1 | 38 | 0.1 | 13 | 0.2 | 273 | 0.0 |
| Other | 1,149 | 0.3 | 542 | 0.2 | 546 | 0.5 | 1,990 | 3.9 | 3,284 | 9.7 | 879 | 10.3 | 8,390 | 1.0 |
| TOTAL (33 states) | 420,882 | 100.0 | 234,298 | 100.0 | 113,543 | 100.0 | 50,719 | 100.0 | 33,909 | 100.0 | 8,512 | 100.0 | 861,863 | 100.0 |
| Age group (years) | | | | | | | | | | | | | | |
| <15 | 2,676 | 0.7 | 2,088 | 0.9 | 1,370 | 1.3 | 871 | 1.9 | 900 | 2.9 | 247 | 3.1 | 8,152 | 1.0 |
| 15-19 | 81,922 | 20.6 | 61,162 | 27.8 | 35,118 | 32.8 | 16,430 | 35.3 | 11,989 | 38.5 | 3,124 | 39.1 | 209,745 | 25.9 |
| 20-24 | 137,562 | 34.5 | 77,048 | 35.0 | 37,814 | 35.3 | 15,766 | 33.9 | 10,150 | 32.6 | 2,322 | 29.1 | 280,662 | 34.6 |
| 25-29 | 92,341 | 23.2 | 44,534 | 20.2 | 18,796 | 17.6 | 7,935 | 17.0 | 4,708 | 15.1 | 1,278 | 16.0 | 169,592 | 20.9 |
| 30-34 | 51,811 | 13.0 | 21,909 | 10.0 | 9,038 | 8.4 | 3,567 | 7.7 | 2,103 | 6.8 | 519 | 6.5 | 88,947 | 11.0 |
| 35-39 | 25,113 | 6.3 | 10,141 | 4.6 | 3,670 | 3.4 | 1,513 | 3.3 | 961 | 3.1 | 348 | 4.4 | 41,746 | 5.1 |
| ≥40 | 6,864 | 1.7 | 3,260 | 1.5 | 1,178 | 1.1 | 458 | 1.0 | 314 | 1.0 | 145 | 1.8 | 12,219 | 1.5 |
| TOTAL (32 states) | 398,289 | 100.0 | 220,142 | 100.0 | 106,984 | 100.0 | 46,540 | 100.0 | 31,125 | 100.0 | 7,983 | 100.0 | 811,063 | 100.0 |
| Race | | | | | | | | | | | | | | |
| White | 208,468 | 71.3 | 106,095 | 67.6 | 48,707 | 64.6 | 19,007 | 62.7 | 11,869 | 57.6 | 3,385 | 62.6 | 397,531 | 68.4 |
| Black/other | 83,768 | 28.7 | 50,747 | 32.4 | 26,652 | 35.4 | 11,313 | 37.3 | 8,737 | 42.4 | 2,023 | 37.4 | 183,240 | 31.6 |
| TOTAL (29 states) | 292,236 | 100.0 | 156,842 | 100.0 | 75,359 | 100.0 | 30,320 | 100.0 | 20,606 | 100.0 | 5,408 | 100.0 | 580,771 | 100.0 |

TABLE 21. Abortion-related deaths reported to CDC, by type of abortion, United States, 1972-1983*

| Year | Induced | | Spontaneous | Other | Unknown | Total | Death-to-case Rate [†] |
|------|---------|---------|-------------|-------|---------|-------|------------------------------------|
| | Legal | Illegal | | | | | |
| 1972 | 24 | 39 | 25 | 0 | 2 | 90 | 4.1 |
| 1973 | 25 | 19 | 10 | 0 | 3 | 57 | 4.1 |
| 1974 | 26 | 6 | 21 | 0 | 1 | 54 | 3.4 |
| 1975 | 29 | 4 | 14 | 0 | 1 | 48 | 3.4 |
| 1976 | 11 | 2 | 13 | 0 | 1 | 27 | 1.1 |
| 1977 | 17 | 4 | 16 | 0 | 0 | 37 | 1.6 |
| 1978 | 9 | 7 | 9 | 1 | 0 | 26 | 0.8 |
| 1979 | 18 | 0 | 9 | 0 | 0 | 27 | 1.4 |
| 1980 | 9 | 1 | 6 | 0 | 1 | 17 | 0.7 |
| 1981 | 7 | 1 | 3 | 0 | 0 | 11 | 0.5 |
| 1982 | 11 | 1 | 6 | 0 | 0 | 18 | 0.8 |
| 1983 | 9 | 1 | 4 | 0 | 0 | 14 | 0.7 |

*Data for 1983 are not final.

[†]Legal abortion-related deaths per 100,000 legal abortions

As in previous years, the number of legal abortions reported to CDC in 1982 and 1983 was probably lower than the number actually performed. Most of the information in this report was provided by state health departments, and their totals have been consistently lower than those obtained by direct surveys. For instance, in 1982 the total number of abortions reported by CDC was 17% lower than that reported by The Alan Guttmacher Institute, which obtains information by direct surveillance (1).

In each year from 1975 through 1983, at least 89% of abortions were performed in the woman's state of residence. In addition, the number of women obtaining abortion in their state of residence increased from 89.2% in 1975 to 93.3% in 1983. Since the denominators of both the abortion rate and the abortion ratio for each state are derived from state vital statistics, they may not accurately reflect the frequency of abortions obtained by residents of the state.

In 1972, the ages of women obtaining abortions were almost evenly distributed among three age groups: ≤ 19 , 20-24, and ≥ 25 years of age. From 1972 through 1983, the percentage of women obtaining abortions in the two older age groups gradually increased, perhaps reflecting a similar shift in the ages of women in the population (2).

Between 1978 and 1983, both the race and the marital status of women obtaining abortions remained relatively constant. The percentages of women obtaining legal abortions by number of live births and by weeks of gestation also remained essentially unchanged.

Between 1974 and 1983, the number of women obtaining abortions who had had no previous abortions declined from 86.8% in 1974 to 62.4% in 1983. Among the women who had previously had one or more induced abortions, the percentages increased as follows: one abortion, from 11.3% to 25%; two abortions, from 1.5% to 9%; and three or more abortions, from 0.4% to 3.7%.

Between 1974 and 1983, the percentage of abortions performed by curettage increased from 89.7% to 96.8%, whereas the percentage of abortions performed by intrauterine instillation declined steadily from 7.8% to 2.1%. The percentage of abortions performed by hysterectomy and hysterotomy decreased from 0.6% to $<0.05\%$.

Between 1975 and 1983, the percentage of second-trimester abortions that were performed by D&E increased from 33.4% to 75.6%, and the percentage performed by intrauterine

instillation decreased from 56.8% to 17.7%. This may be explained by the lower cost and the lower rate of complications associated with D&E (3).

After a decrease of 88% in the number of abortion-related deaths, from 90 deaths in 1972 (the year CDC's surveillance of abortion mortality began) to 11 deaths in 1981, the number increased to 18 in 1982. Abortion-related mortality data for 1983 are not final and therefore are not subject to comparisons.

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Sudden Unexplained Death Syndrome in Southeast Asian Refugees: A Review of CDC Surveillance

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Introduction

In February 1981, CDC received reports from California, Minnesota, and Oregon that a total of 12 apparently healthy young Southeast Asian (SEA) refugees had died in their sleep, and the cause of death could not be determined by postmortem examination. The deaths had occurred between July 1977 and February 1981. This syndrome is now known as sudden unexplained death syndrome (SUDS). SUDS is also known as night death; sudden unexplained nocturnal death syndrome (SUNDS); Pokkuri, in Japan; and Bangungut, in the Philippines. CDC began national surveillance for SUDS soon after receiving the case reports in 1981.

A preliminary report on the first 38 cases was published in December 1981 (1), and a detailed description of 51 cases followed in December 1983 (2). The latter report included the results of a case-control study and covered cases reported through March 30, 1982. Since then, additional cases have been reported and hypotheses have been suggested about the cause(s) of SUDS (3-5).

This report is a review of CDC's surveillance for SUDS, including all confirmed cases reported to CDC between February 1, 1981, and September 30, 1986; characteristics of these cases are summarized.

Materials and Methods

Case Definition. Until 1984, CDC defined SUDS as any unexpected death of a previously healthy SEA refugee for whom a postmortem examination did not disclose the cause of death (2). From 1984 to the present, CDC has used the following case definition: a) the deceased must have been at least 2 years of age, b) the deceased must have been born in or have had at least one parent born in Vietnam, Cambodia (Kampuchea), Laos, Thailand, the Philippines, or some other SEA country, and c) postmortem examination must not have revealed an underlying cause of death. The definition of a probable case is the same as the above, with one exception: the underlying cause of death is unknown, but the results of the postmortem examination are not available. Although the current SUDS case definition includes the sudden deaths of SEA refugees and of persons born in the United States who had at least one parent who was born in Southeast Asia, this report includes only deaths among SEA refugees.

Source of Case Reports. This report is based on case reports received and compiled at CDC by the Epidemiology Program Office (1981-1983) and the Center for Environmental Health (CEH) (1984-1986). Case reports were received from state and local health departments, coroners, and medical examiners. In March 1981, the Epidemiology Program Office began active case ascertainment, including widespread media coverage, and continued it through April 1983. Details of this surveillance have been described elsewhere (2).

Between May 1983 and July 1984, CDC did not actively solicit SUDS case reports from health agencies, medical examiners, and coroners. In August 1984, CEH began receiving case reports, and on February 1, 1986, with the support of the Office of Refugee Resettlement (ORR), CEH — in cooperation with the Public Health Foundation (PHF) — solicited case reports from health departments in the 50 states, the District of Columbia, and the six U.S. territories, and from about 3,000 medical examiners and coroners nationwide.

To facilitate case reporting, PHF asked each state health department to identify a coordinator to assist medical examiners and coroners in reporting cases. In addition, PHF mailed to the 3,000 medical examiners and coroners information describing the surveillance system, a copy of two articles on SUDS (1,2), and a case report form. Through this mailing, PHF solicited reports of new cases and of past cases that had occurred between January 1983 and February 1986.

For each death, PHF and CDC requested that a standard report form be used to record events immediately preceding death and that a death certificate, the medical examiner's or coroner's investigative report (if available), and an autopsy report — including the findings of external, internal, and microscopic examinations and the results of toxicologic testing — be sent. Information about the death — the place, time, and cause — and the country of birth were abstracted from death certificates, autopsy reports, investigative reports, and questionnaires used in the CDC case-control study (2).

Refugee Population Estimates. The refugee population estimates in this report are based on data obtained from ORR's Refugee Resettlement Program (6). Program personnel collect information on all refugee arrivals in the United States. For SEA refugees who arrived in the United States in the period 1975-1985, aggregate data were obtained on year of arrival, year of birth, sex, and country of origin (Vietnam, Laos, or Cambodia). Complete data are not yet available for 1986. Information was not available on the sex of most SEA refugees entering the United States from 1976 through 1978; therefore, the numbers of males and females for these years were estimated on the basis of the sex distribution of refugees entering the United States from 1979 through 1985.

For most SEAs, no information was available on the month of arrival in the United States; therefore, crude death rates were calculated by using an estimate of the mid-year SEA refugee population. The mid-year population was estimated to be the total number of refugees entering the United States in previous years and half the number entering in a given year (7). Since reliable nationwide estimates were not available, no adjustment was made for births or deaths that occurred after the refugees arrived in the United States.

Estimates were obtained from ORR's Refugee Resettlement Program on the number of SEA refugees in each state (6). These estimates are based on the number of refugees settled in each state upon entering the United States and on later migration within the United States. Estimates of secondary migration are important, since many SEA refugees leave the states in which they first settle and move to other states. Before 1981, ORR could track secondary migration by using yearly alien registration data from the Immigration and Naturalization Service. Since the registration program was discontinued in 1981, ORR has estimated secondary migration by tracking persons who have moved from one state to another and who have received assistance or services in publicly supported programs in both states. Data obtained from public assistance programs are used to adjust the number of known resettlements for each year and the January 1981 baseline figures for each state (6).

Ethnicity and Country of Origin. As of September 30, 1986, a total of 811,048 SEA refugees had settled in the United States through the Indochinese Refugee Program (8). Yearly and cumulative totals are shown in Figures 1-4. Figure 1 shows the number of refugees

from all SEA countries combined, and Figures 2-4 show the number from Vietnam, Laos, and Cambodia, respectively. The migration patterns differ slightly by country of origin. After a large influx in 1975, the number of refugees arriving from Vietnam dropped to low levels for 1976 and 1977, rose to a peak in 1980, and then declined over the next 3 years to a level of about 30,000 per year (Figure 2). Refugees arriving from Laos followed the same general pattern, although the initial influx was smaller (Figure 3). The number of refugees from Cambodia peaked in 1981, and since then Cambodian refugees have continued to arrive at a fairly constant level of about 15,000-20,000 per year (Figure 4).

Less information is available on the ethnicity of SEA refugees; they represent a complex mixture of ethnic groups. The largest number of refugees arriving in the United States have been Vietnamese (510,373), followed by Cambodian (138,448), lowland Lao (101,874), and highland Lao (60,353) (8). In the absence of data on ethnic groups by year of arrival, the country of origin was used in the calculation of rates.

FIGURE 1. Refugees arriving from Southeast Asia, by year, United States, 1975-1985

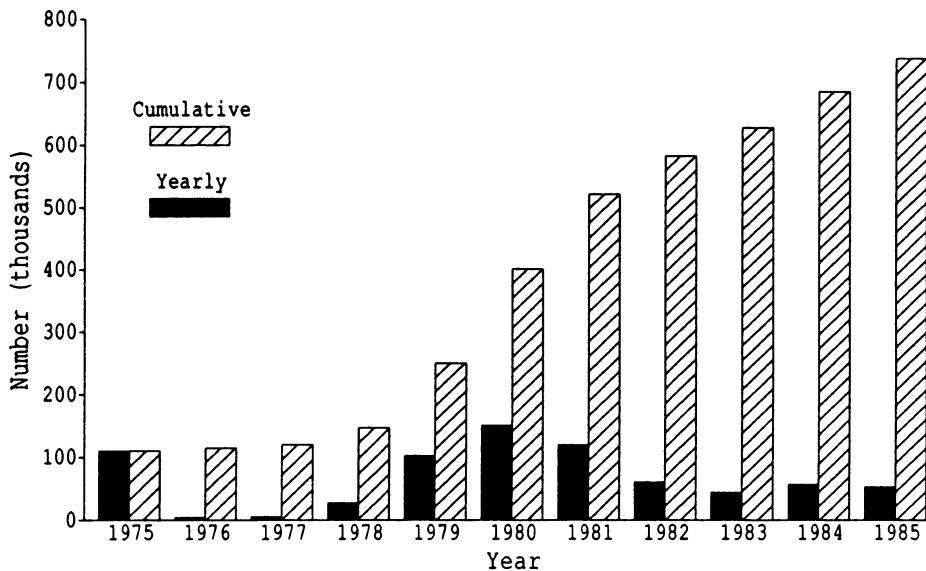


FIGURE 2. Refugees arriving from Vietnam, by year, United States, 1975-1985

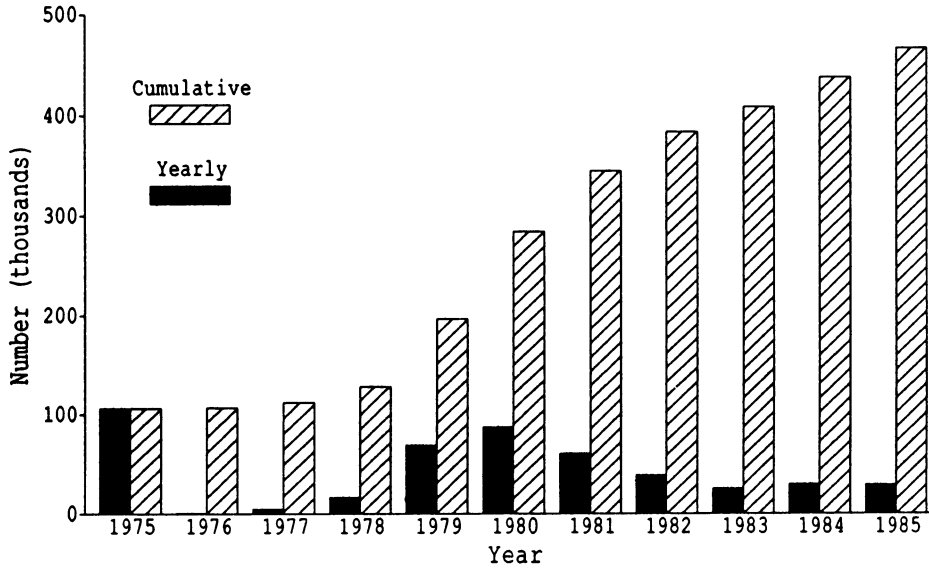


FIGURE 3. Refugees arriving from Laos, by year, United States, 1975-1985

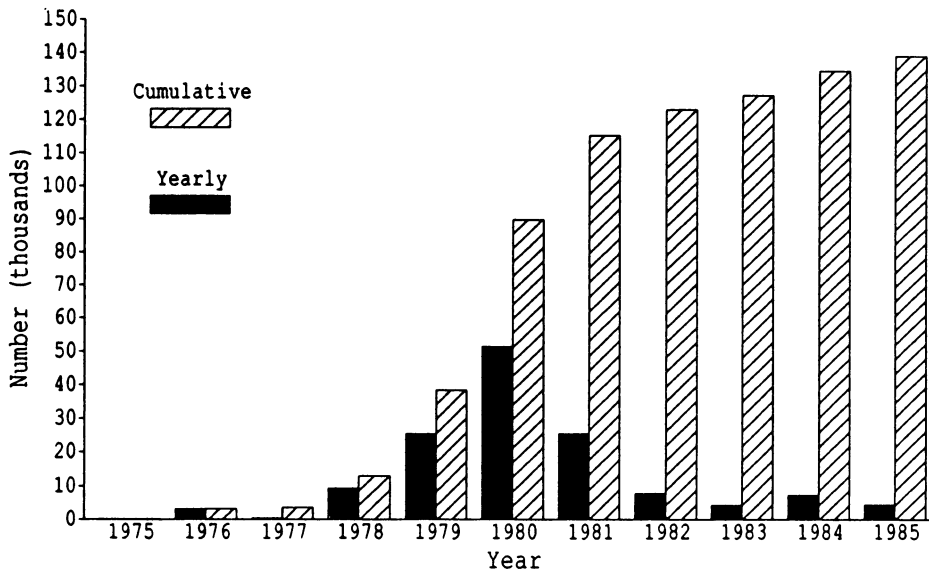
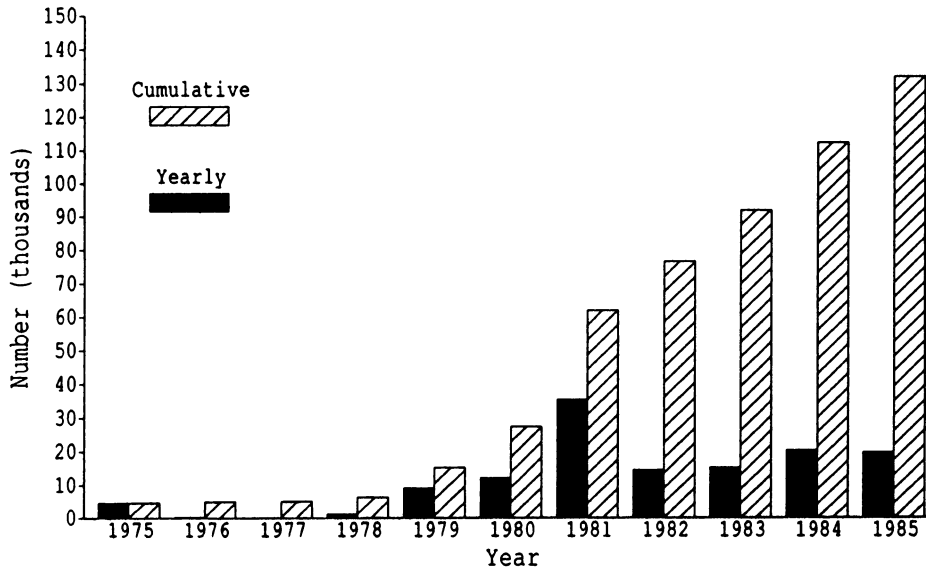


FIGURE 4. Refugees arriving from Cambodia, by year, United States, 1975-1985



Results

Between February 1, 1981, and September 30, 1986, CDC received reports of 142 sudden unexplained deaths among SEAs. For 121 of the deaths, CDC received enough information to classify them as a case, a probable case, or not a SUDS case. Of these 121 reported deaths, 116 (96%) met the CDC SUDS case definition, four (3%) were classified as probable SUDS cases, and one (1%) was classified as not a SUDS case. CDC is now obtaining additional information on the other 21 deaths so that they may be classified.

Of the 116 confirmed cases, 104 are included in this report. Twelve of the deceased persons were excluded because they were not SEA refugees, and insufficient information on the population concerned precluded the calculation of death rates for them. Two of these 12 persons were of Asian heritage who were born in the United States; the other 10 were SEAs who had immigrated to Guam from the Philippines (nine) or from the island of Yap (one). Of the nine Guam immigrants from the Philippines, three died in 1972, one in 1973, two in 1974, one in 1976, one in 1978, and one in 1985. The immigrant from Yap died in 1978.

Cases and Rates. The number of deaths among all SEA refugees peaked in 1981, with 26 deaths, and has declined every year since then to seven deaths in 1985 (Figure 5). As of September 30, 1986, CDC had received reports of six confirmed cases in 1986. The number of deaths peaked in 1981 for Laotians (21 deaths; Figure 6), but did not peak until 1982 for Vietnamese (five deaths; Figure 7), and until 1983 for Cambodians (six deaths; Figure 8).

The crude death rate for SUDS among SEA males was 10.2 per 100,000 in 1981; by 1985 it had declined to 1.8 (Figure 9). The 1985 rate does not include nine reported deaths that cannot be classified until more information is obtained. If all nine deaths awaiting classification meet the case definition for SUDS, the 1985 rate would be 4.1 deaths per 100,000 population.

FIGURE 5. Sudden unexplained deaths among Southeast Asian refugees, by year, United States, January 1975 - September 1986

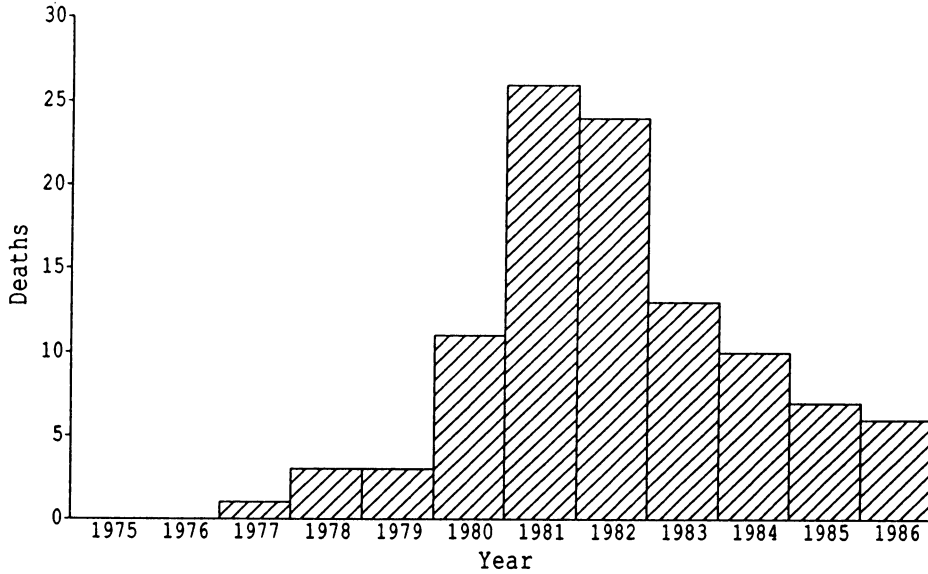


FIGURE 6. Sudden unexplained deaths among Laotian refugees, by year, United States, January 1975 - September 1986

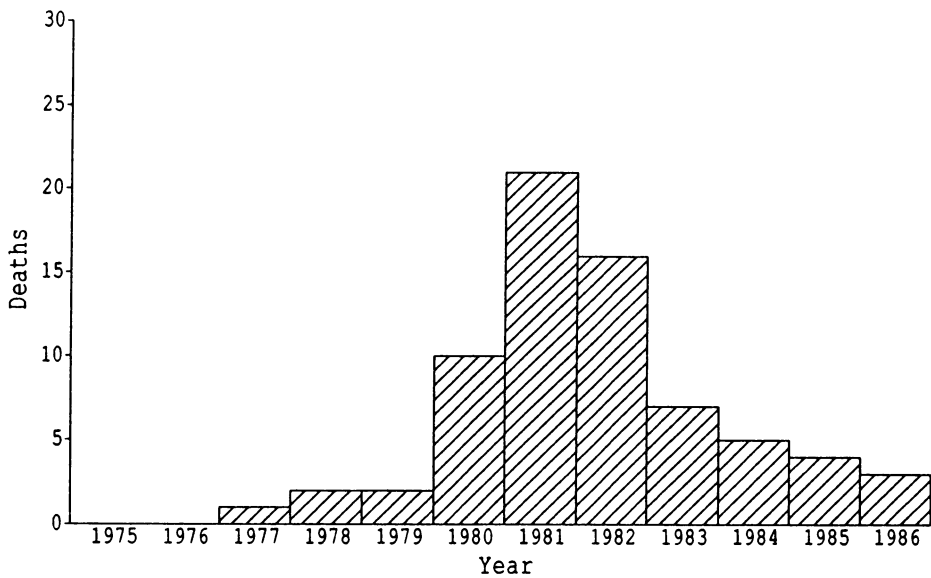


FIGURE 7. Sudden unexplained deaths among Vietnamese refugees, by year, United States, January 1975 - September 1986

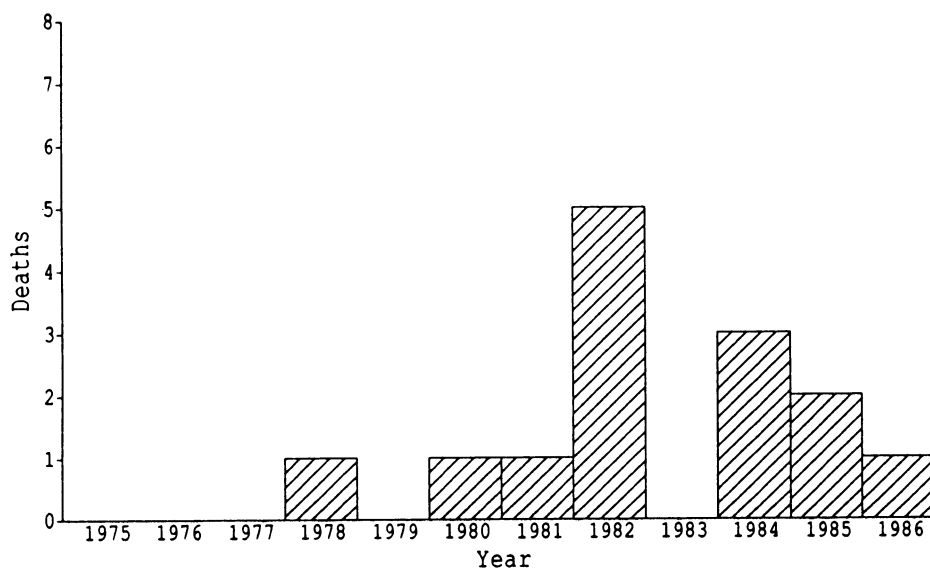


FIGURE 8. Sudden unexplained deaths among Cambodian refugees, by year, United States, January 1975 - September 1986

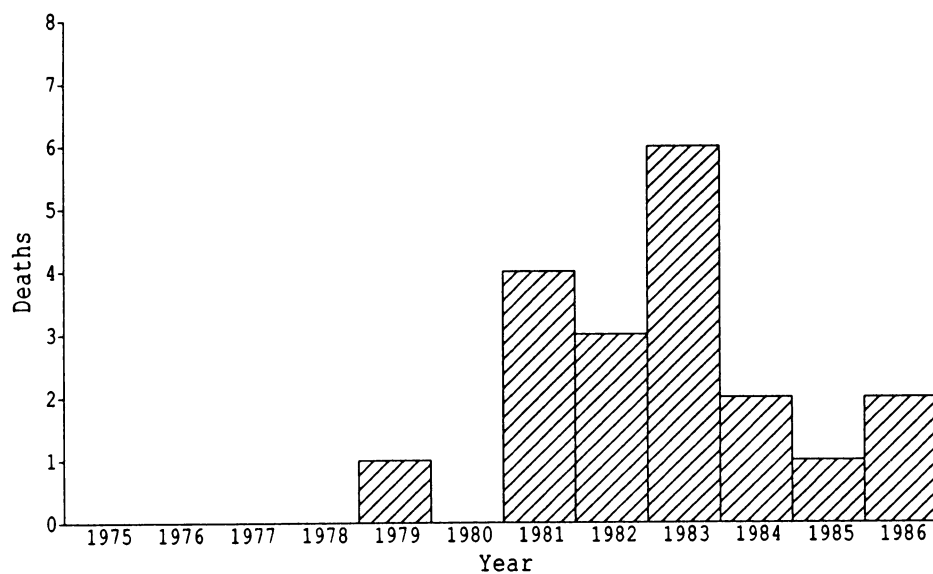
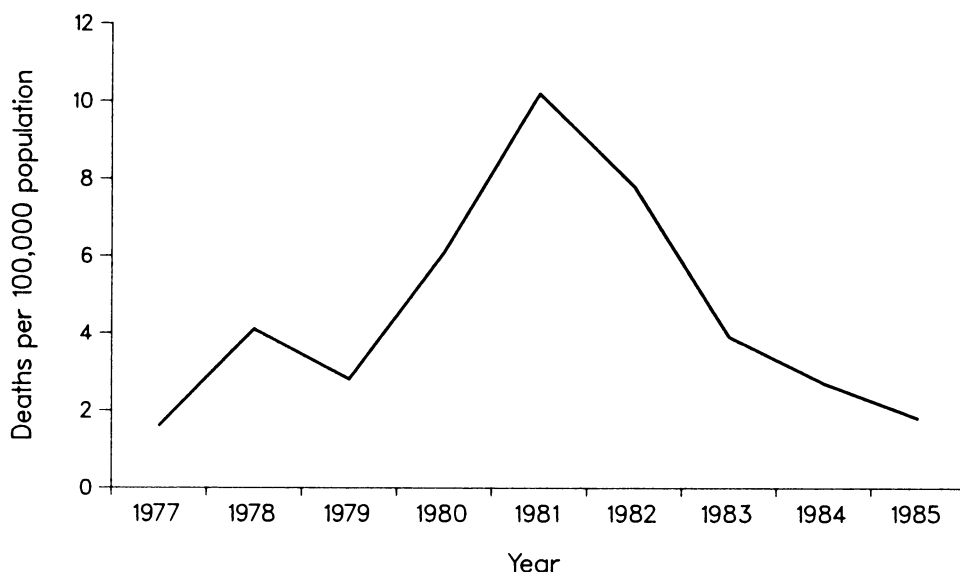


FIGURE 9. Crude rates for sudden unexplained deaths among male Southeast Asian refugees in the United States, by year, 1977-1985



Seasonality. Deaths were fairly evenly distributed by month of occurrence.

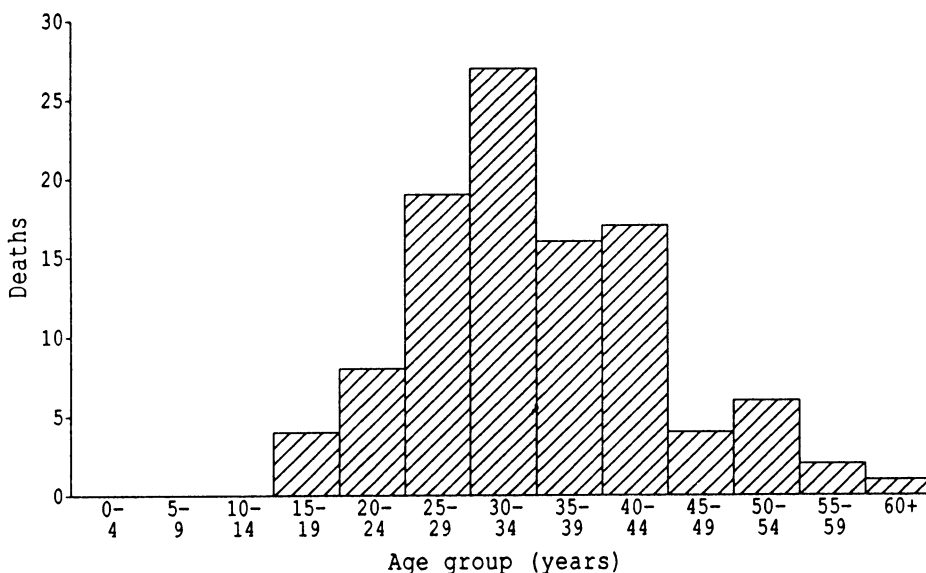
Time of Death. The time of death was known in 84 of the 104 cases. Eighty-two (98%) of the 84 deaths occurred between 10 p.m. and 8 a.m.

Sex. All of the deceased were male except for one, a 38-year-old Laotian Hmong who had been in the United States for 13 months when she died in March 1981 in Portland, Oregon.

Age Distribution. The age at death ranged from 16 to 63 years, with a median of 32 years (Figure 10). Seventy-five percent of the deceased were between the ages of 25 and 45.

Country of Origin. The country of origin is known for all 104 of the deceased. Seventy-one (68%) were from Laos, 19 (18%) from Cambodia, and 14 (13%) from Vietnam. The ethnicity is known for 70 of the Laotians: 40 (57%) were Hmong, 26 (37%) were lowland Lao, three (4%) were Mien, and one (1%) was Theung.

Residence at Time of Death. The geographic distribution of cases generally followed the distribution of the refugee population in the United States (Table 1), with some notable exceptions. California, with 39.8% of the refugee population as of September 30, 1985 (6), reported 32 (31%) of the 104 deaths. In contrast, Minnesota — with 3.2% of the refugee population — reported 15 (14%) of the deaths, and New York — with 3.8% of the population — reported only one (1%) of the deaths.

FIGURE 10. Distribution of sudden unexplained death syndrome among Southeast Asian refugees, by age group, January 1975 - September 1986**TABLE 1. Distribution of sudden unexplained death syndrome and the Southeast Asian (SEA) refugee population, by state, United States, September 30, 1986**

| State | Cases | (%) | SEA refugee population as of 9/30/85 | Percent of total U.S. SEA refugee population* |
|-------------------|------------|--------------|---|--|
| California | 32 | (30.8) | 303,100 | 39.8 |
| Colorado | 1 | (1.0) | 10,500 | 1.4 |
| Dist. of Columbia | 1 | (1.0) | 1,600 | .2 |
| Georgia | 1 | (1.0) | 9,700 | 1.3 |
| Illinois | 5 | (4.8) | 25,300 | 3.3 |
| Iowa | 2 | (1.9) | 8,800 | 1.2 |
| Maine | 1 | (1.0) | 1,700 | .2 |
| Maryland | 1 | (1.0) | 9,300 | 1.2 |
| Massachusetts | 2 | (1.9) | 22,500 | 3.0 |
| Michigan | 3 | (2.9) | 10,400 | 1.4 |
| Minnesota | 15 | (14.4) | 24,100 | 3.2 |
| New Hampshire | 1 | (1.0) | 800 | .1 |
| New York | 1 | (1.0) | 28,600 | 3.8 |
| Ohio | 3 | (2.9) | 10,300 | 1.4 |
| Oklahoma | 3 | (2.9) | 8,600 | 1.1 |
| Oregon | 8 | (7.7) | 17,400 | 2.3 |
| Rhode Island | 3 | (2.9) | 5,800 | .8 |
| Texas | 7 | (6.7) | 57,200 | 7.5 |
| Utah | 1 | (1.0) | 7,900 | 1.0 |
| Virginia | 1 | (1.0) | 20,700 | 2.7 |
| Washington | 11 | (10.6) | 34,300 | 4.5 |
| Wisconsin | 1 | (1.0) | 10,000 | 1.3 |
| TOTAL | 104 | (100) | 628,600 | 82.6 |

*Percent based on total U.S. SEA refugee population, which was 760,900 as of September 30, 1985.

Discussion

Since the number of SUDS cases in the United States peaked in 1981, the number of reported cases has dropped markedly. During this same period, the number of SEA refugees in the United States has continued to rise, and this, coupled with the decrease in cases, has caused a precipitous decline in the death rate from SUDS. Although the number of cases has declined, the distribution of cases by age (median = 32 years), sex (99% male), and time of death (98% between 10 p.m. and 8 a.m.) has remained relatively unchanged since the first reports that CDC received in 1981 (1,2). Generally, the geographic distribution of cases continues to reflect the population distribution of SEA refugees in the United States.

In previous studies of unexplained deaths in Southeast Asia, Japan, and Hawaii, similar distributions of cases by age, sex, and time of death have been shown (9-12). In one study of SUDS cases in the Philippines and in a refugee camp in Thailand, a seasonal variation in deaths was found, with a peak between January and March (9); this seasonality is not evident in CDC's case series.

The decline in the number of SUDS cases may be explained by a decreased incidence of SUDS or by a poor ascertainment of cases. From February 1981 through April 1983, CDC actively solicited cases from state and local health departments, coroners, and medical examiners. From May 1983 until February 1986, CDC surveillance for SUDS was limited, and this might be the principal explanation for the decline (13). Since February 1986, a vigorous effort has been made to locate cases that have occurred from January 1983 to the present, but the number of additional cases identified has not been significant enough to support this explanation. Consequently, the incidence appears to have truly decreased.

To assess the adequacy of the SUDS reporting system, CDC is analyzing vital statistics data, reviewing records of emergency rooms and emergency medical services, and conducting a telephone survey of a sample of medical examiners and coroners nationwide.

Resuscitation is one possible explanation for the decline in deaths. To investigate this possibility, CDC is reviewing records of emergency rescue systems in four cities that have large SEA populations (Seattle, Washington; San Diego, California; Fresno, California; and Minneapolis-St. Paul, Minnesota).

Sudden unexpected deaths are rare, and ascertainment of SUDS cases is probably incomplete. Nevertheless, since the decrease in reported SUDS cases has persisted despite active solicitation of case reports and quality-assurance measures, one must conclude that the decline is real. This decline may offer some insight into the cause of SUDS.

Hypotheses about the cause of SUDS have included the stress of displacement, immigration, and resettlement (1,2,14); the disruption of religious beliefs and traditional health practices (14); an abnormality of sleep (15); a congenital abnormality in the conduction system of the heart (16); a dietary deficiency; and toxic substances in foods, medicines, or folk remedies. CDC's surveillance system reflects information on the number of SUDS cases and the results of postmortem examinations but not on specific causative factors (except for those addressed in the postmortem examination). Thus, the hypotheses on stress, dietary deficiency, or toxic substances in foods (other than alcohol or drugs detectable in routine drug-screening tests — for example, for aspirin, barbiturates, and opiates) cannot be tested directly on the basis of surveillance data. In one study, the hearts of 18 persons who had died of SUDS were examined closely, and abnormalities were found in the conduction system of most of them (16). However, control hearts from Southeast Asians were not examined, and the functional significance of these findings has not been established.

The decline in both the number of cases and the crude incidence suggests that some risk factor present soon after the refugees arrive in the United States may be important and that this risk factor diminishes with time. This temporal pattern is consistent with the hypotheses concerning stress, dietary deficiency, and toxic substances in foods, medicines, and folk remedies. Although this pattern is less compatible with a congenital cardiac abnormality or a sleep disturbance, hypotheses concerning these two risk factors may still be viable if most susceptibles have died or if some environmental factor (such as stress) in combination with the cardiac abnormality or sleep disturbance is causative. Although several hypotheses have been considered, the cause of SUDS has not been fully determined, and further study is required.

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