

MORBIDITY AND MORTALITY

WEEKLY REPORT

- 605 Pregnancy Rates Among Adolescents612 Silicosis Screening in Surface Coal
- Miners Pennsylvania, 1996–1997
- 616 Hepatitis B Vaccination Coverage Among Asian and Pacific Islander Children — United States, 1998
- 619 Delayed Supply of Influenza Vaccine and Adjunct ACIP Influenza Vaccine Recommendations for the 2000–01 Influenza Season
- 622 Summary of the Joint Statement on Thimerosal in Vaccines

National and State-Specific Pregnancy Rates Among Adolescents — United States, 1995–1997

Each year in the United States, 800,000–900,000 adolescents aged \leq 19 years become pregnant. Adolescent pregnancy and childbearing have been associated with adverse health and social consequences for young women and their children. This report presents estimated national numbers of pregnancies and national and state-specific pregnancy rates for adolescents aged \leq 19 years from 1995* to 1997. The findings indicate a decline in national and state-specific adolescent pregnancy rates during 1995– 1997, and a continuing downward trend beginning in the early 1990s (*1,2,4*).

Number of pregnancies was estimated as the sum of live births, legally induced abortions, and estimated fetal losses (i.e., spontaneous abortions and stillbirths) among females aged \leq 19 years. Live birth data were reported by the mother's state of residence. Because abortion data by residence were not available for all states, abortions were reported by state of occurrence.[†] Complete age-specific abortion information was not available for nine reporting areas in 1995 (including the District of Columbia [DC]), eight areas in 1996 (including DC), and six states in 1997. To calculate national adolescent pregnancy rates, estimates of abortions among adolescents were calculated for states with missing data (1). Estimates of fetal losses were based on sample survey data of women aged 15–44 years from the 1988 and 1995 National Surveys of Family Growth (NSFG) (3). A national estimate of fetal losses for all females aged 15–19 years was derived from NSFG data and used to create annual estimates of fetal losses based on the number of live births and legally induced abortions in a given year (CDC, unpublished

^{*}National and state-specific adolescent pregnancy rates for 1995 were previously reported (1,2). National rates for 1995 are reported here because fetal loss estimates were not included in the earlier definition of pregnancy (1) and because of a change in the population denominator data supplied by the Bureau of the Census used in calculating rates; state-specific data for 1995 are reported again because of the change in the population denominator data. Adolescent pregnancy rates previously published by CDC (2) should not be used together with those reported here in time series analyses because of these changes in methods. Adolescent pregnancy rates in other sources (3) may not be comparable to data in this report because of different calculation methodologies.

[†] For 48 reporting areas in 1995–1996 and 49 in 1997, the number and characteristics of persons who had legal induced abortions were provided by state health departments and the health departments of New York City and the District of Columbia. For four areas in 1995–1996 and three in 1997, the number of abortions were provided from hospitals and other medical facilities.

Pregnancy Rates — Continued

data, 1998). Denominators (estimates of the adolescent female population by state, age, and race) for abortion and fetal loss rates were obtained from postcensal population estimates.[§] Published birth rates were added to abortion and fetal loss rates and were based on earlier, slightly different[¶] population estimates (5).

Rates were calculated as the number of pregnancies per 1000 females aged 15–17, 18–19, or 15–19 years. Because most pregnancies, births, and abortions (97% of live births and 94% of legally induced abortions) among females aged <15 years occurred among 13–14-year-olds (CDC, unpublished data, 2000; *6*), this age group was used as the denominator for calculating rates for females aged <15 years. Legally induced abortions for which mother's age or race was unknown were included in categories based on the distribution of mothers with known age or race.

Although abortion totals were available for all states, age-specific data adequate to calculate pregnancy^{**} rates were available from 42 states and DC for 1995, 44 states and DC in 1996, and 45 states and DC in 1997. Because adequate age and Hispanic ethnicity data for females who had abortions were available for 24 states in 1995 (7), 23 states in 1996, and 26 states in 1997, pregnancy rates by ethnicity were not included; some states with missing Hispanic ethnicity data had large Hispanic populations.

From 1995 to 1997, among females aged 15–19 years, the national number of pregnancies declined by 3.1% and the national pregnancy rate declined by 7.8%, from 98.3 per 1000 in 1995 to 90.7 in 1997 (Table 1). During 1995–1997, the pregnancy rate declined by 11.3% among females aged <15 years, by 10.7% among females aged 15–17 years, and by 5.8% among females aged 18–19 years. For each year, the pregnancy rate for 18–19-year-olds was approximately 2.5 times that of 15–17-year-olds, and the rate for females aged <15 years was approximately one ninth that of 15–17year-olds.

^{**} Pregnancy rates were excluded if they were based on <20 pregnancies or <1000 adolescents in a particular category, or if >15% of the pregnancies were in women of unknown age or race.

| | Estim | ated no. o | of pregnan | Pregnancy rate | | | | |
|------------|------------|------------|------------|----------------|--------|--------|-------|-------|
| Year | <15 | 15–17 | 18–19 | 15–19 | <15 | 15–17 | 18–19 | 15–19 |
| 1995 | 26,600 | 342,100 | 525,000 | 867,100 | 7.2 | 63.9 | 151.4 | 98.3 |
| 1996 | 25,400 | 332,500 | 526,700 | 859,200 | 6.8 | 60.5 | 147.8 | 94.8 |
| 1997 | 23,700 | 321,300 | 518,800 | 840,000 | 6.4 | 57.1 | 142.7 | 90.7 |
| % Change f | from | | | | | | | |
| 1995 to 19 | 97§ –11.1% | -6.1% | -1.2% | -3.1% | -11.3% | -10.7% | -5.8% | -7.8% |

TABLE 1. Estimated number of pregnancies* and rates[†] among adolescents, by age and year — United States, 1995–1997

* Rounded to the nearest 100.

[†] Per 1000 adolescent females in the appropriate age group (per 13–14-year-olds for <15 years age group). For states that did not report abortion data by age (nine in 1995, eight in 1996, and six in 1997), numbers of abortions were estimated.</p>

[§] Percent changes were computed on the basis of unrounded numbers and rates.

[§] Available on the World-Wide Web at http://www.census.gov/population/estimates/state/ 5age9890.txt. Accessed July 2000.

[¶] Birth rates for females aged <15 years were calculated using 13–14-year-olds as the denominator.

Pregnancy Rates — Continued

State-specific pregnancy rates per 1000 among 15–19-year-olds ranged^{††} from 56.3 (North Dakota) to 117.1 (Nevada) in 1995; from 53.9 (North Dakota) to 114.1 (Texas) in 1996; and from 48.2 (North Dakota) to 127.8 (Delaware) in 1997 (Table 2). In each year, the rate for each reporting area was highest for females aged 18–19 years and lowest for females aged <15 years. From 1995 to 1997, the pregnancy rate for 15–19-year-olds decreased in 40 of the 43 reporting areas for which age-specific data were available. Statistically significant declines occurred in 34 states and ranged from 1.9% (Ohio) to 19.8% (Maryland); no state showed a significant increase. During 1995–1997, significant declines in the pregnancy rate occurred among females aged <15 years in 20 of 41 reporting areas with available data, among 15–17-year-olds in 35 of 42 reporting areas, and among 18–19-year-olds in 27 of 42 reporting areas.

Pregnancy rates for 15–19-year-olds were, in every state except one, higher for blacks than for whites among the 30 states with available data for both groups (Table 3). Significant declines in the pregnancy rate occurred among whites in 29 of the 35 states for which adequate data for whites were available, and in 17 of 28 states for which adequate data for blacks were available. No significant increases in pregnancy rates were found for adolescents of either race in states with available data.

Among females aged 15–19 years, the national birth rate decreased from 56.8 in 1995 to 52.3 in 1997 (5), with declines occurring in most reporting areas. The national number of abortions declined 2.7% from 1995 to 1997, and the national abortion rate decreased 7.4%, from 26.6 per 1000 in 1995 to 24.6 in 1997. During this period, the abortion rate decreased 3.9% among females aged <15 years (from 2.8 to 2.7), 10.1% among females aged 15–17 years (from 18.2 to 16.3), and 5.4% among females aged 18–19 years (from 39.6 to 37.5). From 1995 to 1997, the abortion rate for 15–19-year-olds decreased in 32 of the 43 reporting areas for which age-specific data were available. In 25 of the 31 areas where both birth and abortion rates decreased, the percent decrease in abortion rates exceeded the decline in birth rates.

Reported by: Behavioral Epidemiology and Demographic Research Br and Statistics and Computer Resources Br, Div of Reproductive Health, National Center for Chronic Disease Prevention and Health Promotion, CDC.

Editorial Note: The estimation of national and state-specific adolescent pregnancy and abortion rates was limited by the lack of age-specific abortion and adequate race-specific abortion data for some states. The lack of adequate age-specific abortion data by Hispanic ethnicity in at least half of states for the 3 years also limited this analysis because separate rates for Hispanic and non-Hispanic adolescents could not be computed. State-by-state comparisons of pregnancy rates for whites for states with large Hispanic populations should be interpreted with caution. Moreover, use of abortion data by occurrence rather than by state of residence may have inflated the abortion rate in areas with large metropolitan areas that might draw from adjoining states (e.g., Delaware, DC, and Kansas).

Legally induced abortions reported to CDC may undercount the true number of these abortions (1). Estimates of fetal losses based on NSFG survey data are subject to underreporting because of unrecognized early fetal losses; for females aged <20 years, fetal loss estimates are based on small numbers of pregnancies. Therefore, pregnancy

^{††} District of Columbia is not included in these comparisons because its pregnancy rates were higher than for any state, in part because of large numbers of abortions among nonresidents.

| | | | | | | | | | | | | | % Change for | |
|----------------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|-------------------|--|
| | | 199 | 95 | | | 19 | 96 | | | 19 | 97 | | 15–19-year-olds | |
| Reporting area | <15 | 15–17 | 18–19 | 15–19 | <15 | 15–17 | 18–19 | 15–19 | <15 | 15–17 | 18–19 | 15–19 | from 1995 to 1997 | |
| Alabama | 10.1 | 70.8 | 157.6 | 105.9 | 9.7 | 67.4 | 156.5 | 103.6 | 8.0 | 63.7 | 149.3 | 98.6 | -6.9 | |
| Alaska | 1 | 1 | 1 | ¶ | 3.0 | 44.1 | 116.1 | 73.4 | 3.7 | 39.9 | 111.1 | 68.5 | ٩ | |
| Arizona | 6.2 | 69.9 | 164.9 | 107.8 | 5.7 | 69.2 | 156.8 | 104.3 | 5.1 | 62.7 | 158.1 | 99.5 | -7.7 | |
| Arkansas | 8.4 | 68.0 | 158.3 | 104.0 | 8.2 | 63.9 | 169.6 | 105.8 | 8.8 | 60.3 | 165.5 | 101.8 | -2.1 | |
| Colorado | 4.2 | 54.1 | 120.9 | 80.3 | 4.2 | 49.7 | 122.8 | 78.2 | 3.4 | 48.4 | 116.9 | 75.0 | -6.6 | |
| Connecticut | 4.9 | 53.8 | 114.6 | 77.2 | 5.2 | 55.7 | 124.2 | 81.9 | 5.3 | 51.1 | 122.8 | 78.6 | 1.8 | |
| Delaware | 1 | 1 | 1 | ¶ | ſ | ſ | 1 | ¶ | 11.0 | 89.0 | 183.9 | 127.8 | ¶ | |
| District of | | | | | | | | | | | | | | |
| Columbia | 26.0 | ** | ** | 229.6 | 22.4 | ** | ** | 211.2 | 26.5 | 176.2 | 340.8 | 249.7 | 8.8 | |
| Georgia | 11.9 | 79.2 | 172.3 | 115.5 | 10.5 | 74.0 | 169.2 | 111.4 | 9.3 | 71.5 | 166.1 | 108.8 | -5.9 | |
| Hawaii | 7.3 | 58.4 | 138.7 | 92.0 | 4.6 | 57.8 | 132.2 | 89.4 | 4.7 | 52.1 | 124.9 | 82.6 | -10.2 | |
| ldaho | 2.9 | 35.1 | 105.6 | 63.4 | 2.4 | 34.9 | 100.7 | 61.6 | 2.7 | 30.8 | 92.7 | 56.0 | -11.6 | |
| Illinois | 1 | 1 | ٩ | ¶ | 7.0 | ** | ** | 100.9 | 6.1 | ** | ** | 92.3 | ٩ | |
| Indiana | 4.8 | 49.8 | 131.9 | 82.3 | 4.6 | 48.2 | 133.5 | 82.0 | 3.8 | 46.4 | 127.6 | 78.6 | -4.6 | |
| Kansas | 7.1 | 59.4 | 149.9 | 94.6 | 5.1 | 54.6 | 143.9 | 89.2 | 4.9 | 52.9 | 143.4 | 87.9 | -7.1 | |
| Kentucky | 5.8 | 55.8 | 137.9 | 88.5 | 5.4 | 51.6 | 134.6 | 85.0 | 4.8 | 49.3 | 131.2 | 82.5 | -6.8 | |
| Louisiana | 8.2 | 63.7 | 149.7 | 98.2 | 8.6 | 61.4 | 145.3 | 95.1 | 7.7 | 58.3 | 143.6 | 93.0 | -5.3 | |
| Maine | 2.7 | 36.3 | 94.2 | 58.7 | 1.8 | 30.8 | 90.9 | 54.1 | 1.2 | 30.8 | 92.9 | 54.9 | -6.5 | |
| Maryland | 7.0 | 54.9 | 123.3 | 81.3 | 6.0 | 47.0 | 112.9 | 72.5 | 4.9 | 41.8 | 102.5 | 65.2 | -19.8 | |
| Massachusetts | 4.3 | 44.2 | 113.1 | 71.7 | 3.9 | 42.2 | 109.9 | 69.2 | 4.3 | 41.3 | 107.1 | 67.5 | -5.8 | |
| Michigan | 5.2 | 49.9 | 127.8 | 80.1 | 4.6 | 46.7 | 121.3 | 75.7 | 4.4 | 41.6 | 116.3 | 71.0 | -11.4 | |
| Minnesota | 2.7 | 34.0 | 92.9 | 56.4 | 2.6 | 33.4 | 93.6 | 56.3 | 2.8 | 32.0 | 94.8 | 55.9 | -0.8 | |
| Mississippi | 10.7 | 73.4 | 147.7 | 103.0 | 9.8 | 66.4 | 144.1 | 97.5 | 9.4 | 64.7 | 143.3 | 96.2 | -6.7 | |
| Missouri | 5.2 | 46.7 | 130.6 | 79.1 | 4.5 | 44.8 | 127.0 | 76.5 | 4.0 | 41.5 | 120.3 | 72.0 | -9.0 | |
| Montana | 2.7 | 43.8 | 118.5 | 72.8 | 3.2 | 40.6 | 111.5 | 68.2 | 3.1 | 39.4 | 110.7 | 67.1 | -7.7 | |
| Nebraska | 3.1 | 38.8 | 103.5 | 64.6 | 2.9 | 39.0 | 109.4 | 67.0 | 4.8 | 37.4 | 102.3 | 63.0 | -2.4 | |
| Nevada | 6.7 | 74.5 | 185.1 | 117.1 | 7.2 | 69.7 | 178.0 | 111.4 | 5.9 | 68.9 | 170.1 | 107.5 | -8.1 | |
| New Jersey | 5.0 | 46.2 | 112.3 | 71.7 | 4.7 | 46.0 | 109.9 | 70.7 | 3.8 | 39.8 | 105.8 | 65.3 | -8.9 | |
| New Mexico | 6.6 | 70.1 | 164.5 | 106.8 | 5.8 | 69.1 | 158.3 | 103.6 | 5.7 | 66.6 | 154.2 | 100.5 | -5.9 | |
| New York | 7.8 | 69.9 | 159.8 | 105.6 | 8.2 | 69.2 | 164.0 | 107.0 | 7.0 | 63.3 | 151.0 | 98.1 | -7.1 | |
| North Carolina | 9.6 | 75.4 | 168.4 | 112.3 | 8.1 | 68.7 | 166.0 | 107.6 | 7.1 | 62.1 | 162.9 | 102.1 | -9.2 | |
| North Dakota | t† | 30.7 | 96.8 | 56.3 | †† | 29.8 | 91.9 | 53.9 | 2.4 | 25.0 | 84.9 | 48.2 | -14.3 | |
| Ohio | 4.8 | 51.5 | 132.1 | 83.1 | 4.3 | 46.8 | 127.6 | 78.5 | 5.5 | 48.6 | 132.5 | 81.5 | -1.9 | |
| Oregon | 5.4 | 58.1 | 146.8 | 92.4 | 4.7 | 56.0 | 148.5 | 91.8 | 5.2 | 53.9 | 143.1 | 88.4 | -4.3 | |

| TABLE 2. Pregnancy rates* among adolescents aged ≤19 years, by age group and reporting area ⁺ , and percentage | |
|---|---|
| change ^s in rates for 15–19-year-olds — United States, 1995–1997 | 9 |

608

Pregnancy Rates — Continued

8

| Pennsylvania | 5.6 | 44.4 | 113.8 | 71.6 | 5.2 | 41.0 | 109.4 | 67.8 | 4.4 | 37.0 | 107.2 | 64.4 | -10.0 | ק |
|----------------|-----|------|-------|-------|-----|------|-------|-------|-----|------|-------|-------|-------|-----|
| Rhode Island | 5.3 | 54.1 | 154.5 | 93.4 | 6.2 | 50.5 | 151.6 | 90.5 | 5.1 | 53.1 | 148.8 | 91.0 | -2.6 | re |
| South Carolina | 8.8 | 64.6 | 141.2 | 95.6 | 7.6 | 60.7 | 135.1 | 91.0 | 6.8 | 58.5 | 134.4 | 89.2 | -6.7 | ŋŋ |
| South Dakota | 1.8 | 33.9 | 98.5 | 59.3 | 2.0 | 34.3 | 90.2 | 56.3 | 2.7 | 32.3 | 91.2 | 55.9 | -5.7 | an |
| Tennessee | 7.7 | 64.0 | 167.0 | 104.4 | 7.9 | 62.1 | 159.6 | 100.6 | 7.1 | 59.5 | 157.8 | 98.6 | -5.6 | CV |
| Texas | 7.3 | 76.6 | 176.8 | 116.3 | 7.0 | 74.2 | 175.8 | 114.1 | 6.2 | 69.3 | 169.3 | 108.4 | -6.8 | R |
| Utah | 2.2 | 34.2 | 91.9 | 57.8 | 2.3 | 33.2 | 94.0 | 58.7 | 2.6 | 32.5 | 92.6 | 58.0 | 0.3 | ate |
| Vermont | 3.4 | 36.7 | 109.3 | 64.7 | tt | 36.9 | 108.9 | 64.5 | 2.4 | 30.7 | 101.4 | 57.7 | -10.8 | S |
| Virginia | 6.2 | 54.4 | 127.7 | 84.2 | 5.4 | 50.6 | 126.3 | 81.4 | 5.8 | 47.0 | 122.9 | 77.8 | -7.5 | |
| Washington | 5.2 | 56.7 | 136.9 | 88.2 | 4.5 | 53.7 | 135.2 | 85.6 | 4.9 | 51.9 | 131.4 | 82.8 | -6.0 | 0 |
| West Virginia | 3.7 | 43.7 | 117.4 | 73.2 | 3.5 | 41.1 | 112.0 | 69.9 | 2.4 | 40.5 | 111.7 | 69.7 | -4.9 | on |
| Wisconsin | 4.1 | 36.1 | 95.2 | 59.1 | 3.5 | 35.7 | 96.8 | 59.4 | 3.8 | 34.9 | 94.0 | 57.8 | -2.3 | tir |
| Wyoming | †† | 30.7 | 102.7 | 58.0 | tt | 31.9 | 91.1 | 54.5 | tt | 28.9 | 91.6 | 52.8 | -8.9 | านเ |

* Per 1000 adolescent females in the appropriate age group (13–14 years for <15-year-old age group).
 [†] Abortion data by age for 1995–1997 were not reported for California, Florida, Iowa, New Hampshire, and Oklahoma.
 [§] Percent changes were computed on the basis of unrounded rates. All but italicized changes in rates were statistically significant at p<0.05.
 [¶] Pregnancy rates and percent change could not be calculated because the state did not provide abortion data by age for certain years.
 ** Pregnancy rates could not be calculated because the reporting area did not provide abortion data for certain age groups.
 ^{††} Pregnancy rate was not calculated for groups with <20 pregnancies or <1000 adolescent females.

Pregnancy Rates — Continued

| | | | | | | | % Change in rate from 1995 to 1997 | | |
|----------------------|-------|---------|-------|--------|-------|-----------|---------------------------------------|-----------|--|
| | 19 | 95 | 1 | 996 | 1 | 997 | | | |
| State | White | Black | White | Black | White | Black | White | Black | |
| Alabama | 86.2 | 145.4 | 83.8 | 143.4 | 81.4 | 132.0 | -5.5 | -9.2 | |
| Alaska | ** | ** | 61.0 | tt | ** | ** | ** | ** | |
| Arizona | 108.7 | 112.3 | 105.5 | 108.8 | 100.5 | 109.0 | -7.5 | -3.0 | |
| Arkansas | 88.3 | 155.7 | 93.0 | 149.9 | 89.1 | 145.0 | 0.9 | -8.0 | |
| Colorado | §§ | § § | §§ | §§ | 73.1 | 108.1 | §§ | §§ | |
| Delaware | ** | ** | ** | ** | 102.7 | 208.8 | ** | ** | |
| Georgia | 90.4 | 164.7 | 87.8 | 156.8 | 85.4 | 152.9 | -5.5 | -7.2 | |
| Hawaii | 50.7 | 77.4 | 52.7 | 59.4 | 46.3 | 65.6 | -8.6 | -15.2 | |
| Idaho | 63.3 | t† | 61.1 | tt | 55.7 | †† | -11.9 | †† | |
| Indiana | 74.0 | 159.2 | 73.0 | 164.1 | 70.4 | 155.1 | -4.9 | -2.5 | |
| Kansas | 85.8 | 208.8 | 81.3 | 191.4 | 79.8 | 194.5 | -7.0 | -6.9 | |
| Kentucky | 82.2 | 154.0 | 78.9 | 148.0 | 77.0 | 137.8 | -6.4 | -10.5 | |
| Louisiana | 71.8 | 135.5¶¶ | 70.2 | 130.0¶ | 69.2 | 125.8¶ | -3.7 | -7.1¶ | |
| Maine | 57.7 | tt | 53.3 | tt | 54.4 | 11 | -5.7 | 11 | |
| Marvland | 58.1 | 132.4 | 51.2 | 120.3 | 43.8 | 111.4 | -24.6 | -15.8 | |
| Minnesota | 47.1 | 217.4 | 47.3 | 210.6 | 46.4 | 213.5 | -1.4 | -1.8 | |
| Mississippi | 72.7 | 137.6 | 67.8 | 131.3 | 68.1 | 128.6 | -6.3 | -6.5 | |
| Missouri | 66.2 | 161.6 | 63.6 | 158.2 | 60.9 | 141.4 | -8.1 | -12.5 | |
| Montana | 65.4 | tt | 61.5 | tt | 59.2 | tt | -9.5 | 11 | |
| Nebraska | ** | ** | ** | ** | §§ | §§ | ** | ** | |
| Nevada ^{††} | 117.8 | 140.9 | 109.6 | 145.5 | 105.8 | 145.1 | -10.2 | 3.0 | |
| New Jersev | 46.4 | 175.6 | 45.3 | 169.7 | 42.0 | 160.8 | -9.5 | -8.4 | |
| New Mexico | 108.6 | 100.3 | 106.7 | 90.5 | 104.1 | 86.1 | -4.2 | -14.2 | |
| New York | 84.8 | 190.5 | 85.0 | 197.0 | 78.0 | 180.7 | -8.1 | -5.2 | |
| North Carolina | 92.4 | 157.6 | 87.7 | 152.0 | 84.4 | 142.7 | -8.7 | -9.4 | |
| North Dakota | 49.4 | tt | 47.2 | tt | 41.5 | tt | -16.0 | 11 | |
| Ohio | 69.2 | 173.0 | 65.2 | 163.1 | 67.4 | 173.1 | -2.5 | 0.1 | |
| Oregon | 90.6 | 183.2 | 89.3 | 191.1 | 86.0 | 170.9 | -5.0 | -6.7 | |
| Pennsvlvania | 53.6 | 210.0 | 51.3 | 195.8 | 47.8 | 195.5 | -10.8 | -6.9 | |
| Rhode Island | 83.4 | 206.3 | 82.7 | 167.6 | 82.9 | 177.6 | -0.6 | -13.9 | |
| South Carolina | 78.0 | 123.4 | 73.8 | 118.2 | 72.9 | 115.8 | -6.6 | -6.2 | |
| South Dakota | 48.3 | tt | 45.8 | tt | 45.0 | tt | -6.9 | 11 | |
| Tennessee | 87.4 | 169.5 | 85.3 | 156.9 | 82.3 | 158.0 | -5.8 | -6.8 | |
| Texas | 114.3 | 142.1 | 111.8 | 143.0 | 106.7 | 132.9 | -6.7 | -6.5 | |
| Utah | 56.3 | tt | 57.5 | tt | 56.8 | tt | 0.8 | tt | |
| Vermont | 65.2 | †† | 64.9 | tt | 58.1 | t† | -10.9 | †† | |
| Virginia | 68.6 | 138 1 | 65.5 | 134 5 | 62.1 | 129.3 | -9.4 | -6.4 | |
| Washington | \$§ | §§ | \$§ | §§ | \$§ | §§ | §§ | 55 | |
| West Virginia | 71.1 | 133.4 | 68.3 | 118.1 | 68.1 | 116.1 | -4.2 | -13.0 | |
| Wisconsin | 46.3 | 196.8 | 46.3 | 197.6 | 44.9 | 198.3 | -3.0 | 0.8 | |
| Wyoming | ** | ** | ** | ** | 51.8 | tt | ** | ** | |

TABLE 3. Pregnancy rates* among adolescents aged 15–19 years and percentage change in rate[†], by race[§] and state[¶] — United States, 1995–1997

* Per 1000 adolescent females.

[†] Percent changes were computed on the basis of unrounded rates. All but italicized changes in rates were statistically significant at p<0.05.

[§] Pregnancy in Hispanic women is included in rates for white and black adolescents. Race-specific rates, especially for white adolescents, may reflect higher fertility among Hispanic adolescents in states with large Hispanic populations, including Arizona, Colorado, Nevada, New Jersey, New Mexico, New York, Oregon, Rhode Island, Texas, and Washington. Pregnancy rates for addlescents of races other than white or black are not presented because the composition of this category varied widely by state and because abortion information was not available on the race breakdown of "others" for each state.

Pregnancy rate and percent change could not be calculated for the following areas because they did not provide abortion data by age and race for 1995–1997: California, Connecticut, District of Columbia, Florida, Illinois, Iowa, Massachusetts, Michigan, New Hampshire, and Oklahoma.
 ** Pregnancy rate and percent change could not be calculated because state did not provide abortion data by age and

race for certain years.

¹¹ Pregnancy rate and percent change could not be calculated for age groups with <20 pregnancies or <1000 adolescent females.

^{§§} Pregnancy rate and percent change could not be calculated because age or race information was missing for >15% of women who had an abortion.

[¶] Rate and percent change is for all races other than white.

Pregnancy Rates — Continued

totals based on births, legally induced abortions reported to CDC, and fetal loss estimates may underestimate the actual pregnancy rate. However, underreporting likely remains relatively constant from year to year and is therefore unlikely to affect the trends shown in this report.

Sexual experience, sexual activity, and effective contraceptive use are important determinants of changes in pregnancy rates. The decline in pregnancy rates among females aged 15–19 years have been attributed to stable rates of sexual experience and activity among this group and increased use of condoms (4,8). Increased use of long-acting hormonal methods introduced in the early 1990s also has been associated with the decline (9).

Sustaining the downward trend in adolescent pregnancy will require addressing complex individual and community-level factors that can affect adolescents' sexual and reproductive behavior. Community- and school-based programs designed to reduce adolescent pregnancy that address risk factors and specific skills to postpone sexual experience and increase contraceptive use may be more effective in reducing adolescent pregnancy than programs focusing exclusively on changing sexual beliefs or behavior (10). Effective programs also include strong educational components, messages targeting different groups of adolescents, and youth development approaches that will strengthen self-esteem and planning for the future (10). Scientific evaluation of adolescent pregnancy prevention measures is an essential component of these communitybased programs. The identification of effective strategies will assist state and local agencies in implementing successful approaches to continuing the downward trend in adolescent pregnancy.

References

- Kaufmann RB, Spitz AM, Strauss LT, et al. The decline in US teen pregnancy rates, 1990– 1995. Pediatrics 1998;102:1141–7.
- CDC. State-specific pregnancy rates among adolescents—United States, 1992–1995. MMWR 1998;47:497–504.
- 3. The Alan Guttmacher Institute. Teenage pregnancy: overall trends and state-by-state information. New York, New York: The Alan Guttmacher Institute, 1999.
- 4. Ventura SJ, Mosher WD, Curtin SC, Abma JC, Henshaw S. Trends in pregnancies and pregnancy rates by outcome: estimates for the United States, 1976–96. Hyattsville, Maryland: US Department and Health and Human Services, CDC, National Center for Health Statistics. Vital Health Stat 2000;21(56).
- Ventura SJ, Mathews TJ, Curtin SC. Declines in teenage birth rates, 1991–1998: update of national and state trends. Hyattsville, Maryland: US Department of Health and Human Services, CDC, National Center for Health Statistics, 1999.
- Kochanek KD. Induced terminations of pregnancy: reporting states, 1988. Hyattsville, Maryland: US Department of Health and Human Services, CDC, National Center for Health Statistics, 1988. Monthly Vital Statistics Report; vol 39.
- Koonin LM, Smith JC, Ramick M, Strauss LT. Abortion surveillance—United States, 1995. In: CDC surveillance summaries (July). MMWR 1998;47(no. SS-2).
- CDC. Trends in sexual risk behaviors among high school students—United States, 1991– 1997. MMWR 1998;47:749–52.
- 9. Darroch JE, Singh S. Why is teenage pregnancy declining? the roles of abstinence, sexual activity and contraceptive use. New York, New York: The Alan Guttmacher Institute, 1999.
- 10. Kirby D. No easy answers: research findings on programs to reduce teen pregnancy. Washington, DC: The National Campaign to Prevent Teen Pregnancy, 1997.

Silicosis Screening in Surface Coal Miners — Pennsylvania, 1996–1997

Silicosis is an occupational respiratory disease caused by inhaling respirable crystalline silica dust. Silicosis is irreversible, often progressive (even after exposure has ceased), and potentially fatal. Exposure to silica dust occurs in many occupations, including mining (1). During 1996–1997, surface coal miners at eight sites in Pennsylvania were screened to estimate the prevalence of silicosis, to identify risk factors for silicosis, and to refer miners with a possible diagnosis of silicosis or other conditions for medical evaluation and treatment. This report summarizes the results of the screening, which indicated that an increased prevalence of and risk for silicosis is associated with miners' age and years of drilling experience, and provides recommendations for preventing silicosis among miners.

Enrollment in the screening was voluntary and available to anyone who had worked in surface mining for 1 year or more. Surface miners were informed of the screening by Mine Safety and Health Administration (MSHA) inspectors during routine mine visits. Screening was performed by a multiagency team from the Chronic Respiratory Disease Program of the Pennsylvania Department of Health (team leader), the Department of Health Evaluation Sciences of the Pennsylvania State University College of Medicine, MSHA, and CDC's National Institute for Occupational Safety and Health (NIOSH).

Screening was conducted during May–June 1996, at five mine sites in bituminous coalfields in western Pennsylvania (Altoona, Clearfield, Farmington, Indiana, and Somerset) and, in June 1997, at three mine sites in anthracite coalfields in eastern Pennsylvania (Centralia, Pottsville, and Wilkes-Barre). The screening was divided by coal type and region because of differences in geology and mining practices. Screening consisted of anterior-posterior chest radiographs; spirometry; and a survey containing questions about demographics; medical, work, and smoking history; and workplace exposures. Silicosis was defined as a radiographic finding of International Labour Organization (ILO) classification of profusion category $\geq 1/0$ (2); classification was based on consensus of at least two of three NIOSH-certified B readers*. Descriptive analyses were performed on all variables collected from the radiographs, spirometry, and surveys. Multivariable logistic regression models were used to determine risk factors for developing silicosis.

During 1996–1997, 1250 current and former coal miners were screened at the eight sites (664 in western and 586 in eastern Pennsylvania); and data from 1236 miners were suitable for analysis (Figure 1). Screened miners were almost exclusively white (99.9%), male (99.5%), and non-Hispanic (97.6%); the mean age was 46.2 years (range: 18–87 years). Of 1221 miners, 289 (23.7%) were current smokers, and 729 (59.7%) had ever smoked; 1120 (90.7%) of 1235⁺ were employed full-time.

Radiographic evidence of silicosis was found in 83 (6.7%) of 1236 screened miners. Prevalence of silicosis did not vary by smoking status, and no significant differences in prevalence were noted by site except among the 213 participants at Clearfield (16.0%; p=0.001). When data from Clearfield were excluded, the prevalence of silicosis was

^{*}A physician certified by NIOSH as having competency in the classification of chest radiographs to detect pneumoconiosis using ILO guidelines. If at least two of the three B readers categorized the profusion as ≥1/0, the miner was classified as having silicosis; if at least two readers indicated the film was negative (<1/0), the miner was classified as not having silicosis.

[†]Denominators vary because of nonresponse to specific questions.

Silicosis — Continued





similar for western (5.2%) and eastern (4.5%) Pennsylvania. The odds ratio (OR) for silicosis at the Clearfield site compared with other western sites was 4.4 (95% confidence interval [Cl]=2.3–8.5); the OR for silicosis at eastern sites was 1.1 (95% Cl=0.6–2.1) compared with western sites, excluding Clearfield.

The mean age of miners with silicosis was 50.6 years and without silicosis was 45.6 years (p=0.0002). When age was modeled as a quadratic function in the logistic regression model, a significant increase in silicosis occurred with increasing age. Compared with miners aged 30 years, miners aged 40, 50, and 60 years had progressively increased odds of silicosis: 3.7 (95% Cl=1.7–8.2), 7.8 (95% Cl=2.4–25.3), and 9.7 (95% Cl=3.0–31.6), respectively. Silicosis prevalence increased as the number of reported years of drilling experience increased, from 37 (4.7%) of 792 miners reporting no drilling experience to 12 (46%) of 26 in miners reporting >20 years experience (Figure 2). Compared with miners with \leq 5 years of drilling experience, those who had 6–10, 11–20, and >20 years experience had progressively increased odds of silicosis: 4.3 (95% Cl=1.6–11.8), 7.0 (95% Cl=2.6–18.6), and 14.5 (95% Cl=4.8–43.6), respectively.

Reported by: PA Tyson, MSW, Chronic Respiratory Disease Program, Pennsylvania Dept of Health. JL Stauffer, MD, EA Mauger, PhD, JE Caulfield, MS, Pennsylvania State Univ College of Medicine, Hershey. DW Conrad, KG Stricklin, Mine Safety and Health Administration, US Dept of Labor. Div of Respiratory Disease Studies; Office for Mine Safety and Health, Pittsburgh Research Laboratory, National Institute for Occupational Safety and Health, CDC.

Silicosis — Continued



FIGURE 2. Number and percentage of surface coal miners with and without silicosis, by reported years of drilling experience — Pennsylvania, 1996–1997

Editorial Note: This report underscores the risk for silicosis associated with surface coal mining operations. Previous studies identified an increased risk for silicosis among rock drillers (3), and this report corroborates the increased prevalence of silicosis among surface coal mining drillers (4,5).

The findings in this report are subject to at least four limitations. First, the sample was voluntary and represented approximately 40% of Pennsylvania surface coal miners (63% of anthracite miners and 29% of bituminous miners[§]); therefore, the results do not necessarily represent all surface coal miners in Pennsylvania or the United States. Silicosis prevalence may be underestimated if miners with confirmed or suspected silicosis did not participate or may be overestimated if a higher percentage of affected workers participated. Second, B reader variability in the interpretation of chest radiographs was a possibility, although the study methods were designed to limit the effects of reader variability (6). Third, prevalence differences across sites must be interpreted cautiously; miners were not restricted in their choice of screening site, and the latency period for silicosis, several years to several decades following exposure, makes it difficult to determine a specific source of exposure in workers. Finally, the study collected data on years of drilling experience and not on years of overall mining experience; some miners may have performed numerous duties at different mines throughout the region.

⁵ Data from MSHA, part 50. The Federal Mine Safety and Health Act of 1977 requires all mine operators to record and report to MSHA data on occupational injuries; illnesses; certain noninjurious accidents; and related employment, work time, and operating activity information. MSHA data cited for number of employees are for mine operator employees only; state-specific data are not available for contractor employees.

Silicosis — Continued

According to MSHA part 50 data for 1996 and 1997, Pennsylvania had almost one third of the U.S. surface coal mines; however, because of the many small operations in Pennsylvania, 3205 (approximately 10%) of the 31,308 surface coal miners in the United States are employed in Pennsylvania. Smaller mine operations may lack resources required to purchase or maintain optimal dust-control equipment, and small-scale operations represent special challenges for enforcement activities. The reason for the higher silicosis prevalence at Clearfield is unknown; however, influences may include site-specific geologic factors (e.g., quartz content of overlying rock), past work practices, mining methods, types of controls, or machinery maintenance.

Because no effective treatment exists for silicosis, prevention through exposure control is essential (7). When proper practices are not followed or controls are not maintained, silica exposures can exceed the MSHA Permissible Exposure Limit (PEL) or the NIOSH Recommended Exposure Limit (REL)[¶]. Effective engineering controls in the mining environment include dust suppression (e.g., wet drilling), dust collection (e.g., dry drilling with particulates exhausted through a dust collection system), and use of enclosed isolation systems (e.g., air conditioned cabs under positive pressure and equipped with both filtered air supply and filtered recirculated air). In 1994, MSHA and NIOSH implemented a regional, and later a national, silicosis prevention program that promoted educational efforts and allowed coal mine inspectors to issue citations on the basis of visual inspection of dust-producing drilling equipment rather than more extensive sampling (8). As a result, some high-risk equipment has been discarded by the mines; however, because of the long latency period that usually precedes clinical onset of silicosis, the impact of these reforms on the incidence of silicosis remains unclear.

References

1. Wagner GR. Asbestosis and silicosis. Lancet 1997;349:1311-5.

- 2. International Labour Office. Guidelines for the use of ILO international classification of radiographs of pneumoconioses. Geneva, Switzerland: International Labour Office, 1980.
- National Institute for Occupational Safety and Health. NIOSH alert: request for assistance in preventing silicosis and deaths in rock drillers. Cincinnati, Ohio: US Department of Health and Human Services, Public Health Service, CDC, 1992; DHHS publication no. (NIOSH)92-107.
- 4. Amandus HE, Hanke W, Kullman G, Reger RB. A re-evaluation of radiologic evidence from a study of U.S. strip coal miners. Arch Environ Health 1984;39:346–51.
- 5. Amandus HE, Petersen MR, Richards TB. Health status of anthracite surface coal miners. Arch Environ Health 1989;44:75–81.
- 6. Wagner GR, Attfield MD, Parker JE. Chest radiography in dust-exposed miners: promise and problems, potential and imperfections. Occup Med 1993;8:127–41.
- 7. CDC. Silicosis deaths among young adults—United States, 1968–1994. MMWR 1998;47: 331–5.
- US Department of Labor, Mine Safety and Health Administration. Code of federal regulations title 30; part 72.620. Federal Register 1994;59:8323–4.

[¶] PEL for coal mining is 2.0 mg of respirable coal dust per cubic meter of air (2 mg/m³); however, when the respirable quartz (crystalline silica) content of the dust exceeds 5%, a reduced PEL is computed by dividing the percentage of respirable quartz into the number 10 (Title 30, Code of Federal Regulations, Part 71.101). NIOSH-recommended exposure limit (REL) for respirable crystalline silica is a 10-hour, time-weighted average level of 50 μg/m³.

Hepatitis B Vaccination Coverage Among Asian and Pacific Islander Children — United States, 1998

Asian and Pacific Islander (API) children in the United States have high rates of hepatitis B virus (HBV) infection (1-3). To prevent these infections, hepatitis B vaccination has been recommended for these children since the vaccine was first licensed by the Food and Drug Administration in 1981 (4). Recommendations have included universal hepatitis B vaccination of API infants beginning in 1990 and catch-up vaccination for API children aged <7 years (5). These recommendations were reinforced in 1991 when hepatitis B vaccination was recommended for all infants, particularly in populations such as API children with high rates of early childhood HBV infection (6). In 1995, vaccination was recommended for unvaccinated API children aged <11 years and catch-up vaccination for children aged 11-12 years who had not received hepatitis B vaccine (HepB) (7). Series completion among API children aged 19–35 months increased from 39% in 1994 to 88% in 1997 (8). However, among older API children, hepatitis B vaccination coverage was 10% in 1995 (7). In 1998, to examine trends in hepatitis B vaccination catch-up coverage among API children born before 1994, surveys were conducted in six U.S. cities. This report summarizes the results of the surveys, which indicate varying coverage among API children and suggest a need for continued focused vaccination programs for this population.

In three cities (Milwaukee, St. Paul, and Seattle), state or county health departments evaluated hepatitis B vaccination programs conducted in the API community. These cities were compared with three other cities (Dallas, Houston, and Washington, D.C.) where no vaccination programs were targeted for API children. Sampling and data collection methods varied between cities. In Milwaukee, students aged 5-14 years with Lao/ Hmong surnames were sampled randomly from all public schools. In St. Paul and Seattle, children aged 4-13 and 4-14 years, respectively, were selected using a populationbased cluster sample technique. In these three cities, parents or guardians were interviewed in person, and vaccination data were validated with written records from parents, schools, or health-care providers. In Dallas, Houston, and Washington, D.C., a random sample of persons with Vietnamese surnames was selected from area telephone directories, primary caretakers of persons aged 3–18 years were interviewed by telephone, and health-care providers were contacted to verify vaccination histories. For each city, a range of the percentage vaccinated was estimated using the total sample to represent the lower percentage and only those children identified with health-care providers for the higher percentage (Table 1).

Children born during 1984–1993 were included for this report. The third HepB dose (HepB-3) was counted if it had been administered at or after age 164 days with an interval of at least 108 days between doses 1 and 3. LOWESS plots (*9*) were constructed to compare city-specific trends in yearly HepB administration rates among children eligible for vaccination. The percentage of all children in each survey who completed the HepB series by 1998 ranged from 14% (Houston) to 67% (St. Paul) (Table 1). For all children in all surveys combined, the weighted average HepB series completion rate was 42% and did not differ by place of birth (born in the United States versus foreign-born; n=1232 and 708, respectively). Series completion rates at or before age 12, 18, and 60 months were 12%, 16%, and 30%, respectively.

Hepatitis B Vaccination Coverage — Continued

| Households | | | | | No. | No. | | % of | % of |
|-----------------------------|-------|------------------|--------------------------------|------------------------------|--------------------------|-------------------------------|-------------------------|-----------------------------------|-----------------------------------|
| City | Total | Response rate | No. eligibles identified | Eligible response rate | children in sample | children with providers | Ethnicity | children receiving Hep B-1* | children receiving Hep B-3† |
| Without program | | | | | | | | | |
| Dallas⁵ | 3801 | 72% | 549 | 91% | 332 | (177)¶ | Vietnamese | 28% (52%) [¶] | 18% (36%)¶ |
| Houston ^s | 4743 | 65% | 539 | 94% | 314 | (132)¶ | Vietnamese | 25% (61%) [¶] | 14% (36%)¶ |
| Washington, DC ^s | 3550 | 79% | 503 | 93% | 346 | (127) [¶] | Vietnamese | 25% (56%) [¶] | 15% (43%) [¶] |
| With program | | | | | | | | | |
| Milwaukee** | 275 | 99% | 271 | 76% | 207 | | Lao/Hmong | 82% | 51% |
| St. Paul ^{††} | 1391 | 56% | 209 | 96% | 586 | | Hmong | 80% | 67% |
| Seattle ^{††} | 4200 | 95% | 272 | 100% | 412 | | Pan-Asian ^{§§} | 79% | 65% |

| TABLE 1. | Hepatitis B | vaccination | coverage | rates a | among / | Asian | and | Pacific |
|-------------|--------------|--------------|-------------|---------|-----------|-------|-----|---------|
| Islander cl | hildren born | during 1984– | 1993 — six- | city su | rvey, 199 | 98 | | |

* First dose in the hepatitis B vaccination series.

⁺ Third dose in the hepatitis B vaccination series.

[§] Systematic random sample from telephone directory list of Vietnamese surnames.

¹ To be included in this subsample, health-care providers had to report child as patient.

** Systematic random sample from school enrollment list of Lao/Hmong surnames.

^{††} Cluster sample of households within geographic area.

^{§§} Primarily Vietnamese (32%), Chinese (19%), Filipino (19%), and Cambodian (12%).

Vaccination coverage was examined separately for cities with and without hepatitis B vaccination programs for API children. HepB coverage was 41%–61% and 2%–11% for cities with and without these programs for the 1980s birth cohorts and increased with the 1990s birth cohorts (Figure 1). The increase was greatest in cities with a designated API vaccination program; combined vaccination coverage in the 1993 birth cohort was 83%. The effect of the 1990 and 1991 recommendations for infant vaccination was observed when vaccination coverage was stratified by age at HepB series completion (Figure 1). In each birth cohort, the proportion of children who completed the HepB series by age 18 months (infant vaccination) increased substantially in cities with and without ongoing programs; however, during 1992–1998, annual catch-up vaccination rates as measured by HepB-3 completion remained 7%–11% per year in cities with ongoing API hepatitis B vaccination programs compared with 0.7%–2.6% per year in cities without such programs.

Reported by: C Jenkins, Univ of California, San Francisco, California. M Roddy, Minnesota Dept of Health. L Stewart, Seattle-King County Public Health, Seattle, Washington. M Hurie, Wisconsin Div of Health. J Millen, Association of Schools of Public Health, Atlanta, Georgia. Adult Vaccine-Preventable Diseases Br, Epidemiology and Surveillance Div, National Immunization Program, CDC.

Editorial Note: The findings in this report document the impact of targeted vaccination programs for populations at high risk for childhood HBV infection. In the three cities with ongoing API hepatitis B vaccination programs, coverage increased with each successive birth cohort over a 10-year period, reaching 83% among children born in 1993; however, in cities without programs, the overall vaccination coverage remained low, although coverage also increased with each successive birth cohort.

The three cities with API hepatitis B vaccination programs used three approaches to achieve their higher rates of coverage. In Milwaukee, an active refugee health hepatitis B vaccination program, which began in 1984, provided screening and vaccination services to all new API arrivals. In St. Paul, during the 1989–1991 measles epidemic that resulted in three deaths among Hmong children, a coalition was formed that conducted

Hepatitis B Vaccination Coverage — Continued





*n=2197.

[§] Milwaukee, St. Paul, and Seattle.

a multimedia health-promotion campaign and health-care provider education and outreach. In Seattle, state and local health departments and two clinics that served a large proportion of the API population educated providers about the need for catch-up coverage among API children and, during 1996–1997, conducted a 16-month, citywide middle school and high school-based hepatitis B vaccination program for all public school students.

The findings in this report are subject to at least three limitations. First, the populations studied may not represent the nationwide API population. Second, the cities with and without programs may not represent all U.S. cities with and without targeted catchup hepatitis B vaccination programs. Third, biases may have resulted from a loss of randomness in sampling, nonrespondents whose vaccination rates differ from respondents, and missing vaccination records that may have caused inaccurate coverage estimates.

Data from the six city surveys and from other cities and state reports (10) indicate that 40% of all API children in the United States aged 7–18 years have completed their HepB series (CDC, unpublished data, 1999). This low rate of coverage in a group at risk for HBV infection underscores the need for increased efforts to continue to provide catch-up vaccination to these children. In addition, catch-up efforts among preschool children are needed in communities where many API infants do not receive HepB. API children born since 1988 who were not vaccinated as infants or caught up as young

[†] Dallas, Houston, and Washington, D.C.

Hepatitis B Vaccination Coverage — Continued

children should be vaccinated routinely at age 11–12 years. Although eventual high rates of universal adolescent vaccination can be expected for API children living in the 20 states and Washington, D.C., with existing middle school entry laws, special efforts will be needed to ensure vaccination of API children in states without such laws. Because no established vaccination visits exist for older adolescents, hepatitis B vaccination will depend primarily on self-identification, community-based programs, and health-care providers who are aware of the high risk for HBV infection among API children and who can meet specific API cultural and language needs (CDC, unpublished data, 1999). Community-based catch-up hepatitis B vaccination programs have been the mission of the National Task Force on Hepatitis B Immunization, Focus on Asians and Pacific Islanders (on the World-Wide Web at http://aapihp.com*). Successful catch-up initiatives to protect API children should be implemented as quickly as possible.

References

- 1. Franks AL, Berg CJ, Kane MA, et al. Hepatitis B virus infection among children born in the United States to Southeast Asian refugees. N Engl J Med 1989;321:1301–5.
- 2. Hurie MB, Mast EE, Davis JB. Horizontal transmission of hepatitis B virus infection to United States-born children of Hmong refugees. Pediatrics 1992;89:269–73.
- Coleman PJ, McQuillan GM, Moyer LA, Lambert SB, Margolis HS. Incidence of hepatitis B virus infection in the United States, 1976–1994: estimates from the National Health and Nutrition Examination surveys. J Infect Dis 1998;178:954–9.
- 4. CDC. Inactivated hepatitis B virus vaccine. MMWR 1982;31:317-22,327-8.
- 5. CDC. Protection against viral hepatitis—recommendations of the Immunization Practices Advisory Committee (ACIP). MMWR 1990;39(no. RR-2).
- 6. CDC. Hepatitis B virus: a comprehensive strategy for eliminating transmission in the United States through universal childhood vaccination. MMWR 1991;40(no. RR-13).
- 7. CDC. Update: recommendations to prevent hepatitis B virus transmission—United States. MMWR 1995;44:574–5.
- CDC. Vaccination coverage by race/ethnicity and poverty level among children aged 19– 35 months—United States, 1997. MMWR 1998;47:956–9.
- 9. Cleveland WS. Robust locally weighted regression and smoothing scatterplots. Journal of the American Statistical Society 1979;74:829–36.
- 10. Euler GL. Changing the legacy for Asian Americans and Pacific Islanders. Asian Am Pacific Isl J Health 1998;6:304–10.

Notice to Readers

Delayed Supply of Influenza Vaccine and Adjunct ACIP Influenza Vaccine Recommendations for the 2000–01 Influenza Season

Annual vaccination against influenza is the primary means for minimizing serious adverse outcomes from influenza virus infections. These infections result in approximately 20,000 deaths and 110,000 hospitalizations per year in the United States (1). The

^{*}References to sites of non-CDC organizations on the World-Wide Web are provided as a service to *MMWR* readers and do not constitute or imply endorsement of these organizations or their programs by CDC or the U.S. Department of Health and Human Services. CDC is not responsible for the content of pages found at these sites.

Notices to Readers — Continued

amount of trivalent inactivated influenza vaccine produced for distribution in the United States has increased substantially; in 1999, four manufacturers produced a combined total of 80 to 85 million doses.

For the 2000–01 influenza season in the United States, lower than anticipated production yields for this year's influenza A(H3N2) vaccine component and other manufacturing problems are expected to lead to a substantial delay in the distribution of influenza vaccine and possibly substantially fewer total doses of vaccine for distribution than last year. A more precise estimate of the vaccine supply will be available as production progresses during the summer. Because many vaccine providers currently are planning their fall vaccination activities, CDC and the Advisory Committee on Immunization Practices (ACIP) are issuing adjunct influenza vaccination recommendations beyond those made by ACIP on April 14, 2000 (1). The adjunct recommendations are specific to the 2000–01 influenza season.

Adjunct Influenza Vaccine Use Recommendations for the 2000–01 Influenza Season

- Implementation of organized influenza vaccination campaigns should be delayed. Health-care providers, health organizations, commercial companies, and other organizations planning organized influenza vaccination campaigns for the 2000–01 influenza season should delay vaccination campaigns until early to mid-November. The purpose of this recommendation is to minimize cancellations of vaccine campaigns and wastage of vaccine doses resulting from delays in vaccine delivery.
- 2. Influenza vaccination of persons at high risk for complications from influenza and their close contacts should proceed routinely during regular health-care visits. Routine influenza vaccination activities in clinics, offices, hospitals, nursing homes, and other health-care settings (especially vaccination of persons at high risk for complications from influenza, health-care staff, and other persons in close contact with persons at high risk for complications from influenza) should proceed as normal with available vaccine.
- 3. Provider-specific contingency plans for an influenza vaccine shortage should be developed. All influenza vaccine providers, including health-care systems and organizers of vaccination campaigns, should develop a provider-specific contingency plan to maximize vaccination of high-risk persons and health-care workers. These plans should be available for implementation if a vaccine shortage develops.

Use of Influenza Antiviral Medications

There are no new recommendations for the use of influenza antiviral drugs. The approved usage (i.e., for treatment or chemoprophylaxis), age group, dosage, route of administration, metabolism, and adverse reactions of these agents vary (1), and all of them require prescription by a physician. Influenza antiviral drugs are useful for controlling influenza outbreaks in specific and circumscribed situations, such as nursing homes. In addition, long-term antiviral chemoprophylaxis of high-risk institutionalized residents or some persons at high risk for complications from influenza might be indicated if vaccine either is unavailable, ineffective (e.g., severely immunocompromised persons), or contraindicated.

However, these drugs are not a substitute for influenza vaccine. Even if an influenza vaccine shortage develops, CDC and ACIP do not support their routine and widespread use as chemoprophylaxis against influenza because this is an untested and expensive strategy that could result in large numbers of persons experiencing adverse effects.

Notices to Readers — Continued

Additional Discussion

In the United States, 70 to 76 million persons (approximately 35 million persons aged ≥65 years; 33 to 39 million persons aged <65 years with high-risk medical conditions; and 2 million pregnant women) are at high risk for serious complications from influenza infections, including hospitalizations and deaths. The expected delay in influenza vaccine distribution and a possible shortage for the 2000–01 influenza season has raised difficult questions of how to maximize protection against influenza for these persons. One complicating factor is that many vaccine providers must plan their fall vaccination activities now even though the vaccine supply is uncertain. Given the current situation, CDC and ACIP have issued modified recommendations for the 2000–01 season emphasizing the delay of organized influenza vaccine campaigns until November, the continuation of routine vaccination activities during regular health-care visits, and the development of provider-specific contingency plans in case a vaccine shortage should develop. There are additional important points worth emphasizing in addition to these main recommendations:

- Influenza vaccine administered after mid-November can still provide substantial protective benefits. In general, ACIP recommends that routine vaccination of persons at high risk for complications from influenza begin in September. In previous years, ACIP has recommended that organized campaigns take place during October through mid-November. These timing recommendations balance several considerations, including the desirability of administering vaccine before substantial seasonal influenza activity has begun but not vaccinating so early such that vaccine antibody titers might substantially decrease in some persons. Nonetheless, many persons who should receive influenza vaccine remain unvaccinated after mid-November, and for many of these persons, influenza vaccination after mid-November will be beneficial. For the 2000–01 season, it is particularly important for vaccine providers to continue to administer vaccine after mid-November.
- Once vaccine is available, health-care workers should provide vaccine to persons at high risk for complications from influenza as is normally done. This is particularly important for young children at high risk who are receiving influenza vaccination for the first time and who require two doses of vaccine.
- Minimizing wastage of influenza vaccine is important. In particular, influenza vaccine purchasers should refrain from placing duplicate orders with multiple companies to minimize the amount of vaccine that is returned to a manufacturer and discarded. Options to promote redistribution of vaccine that otherwise would be returned or discarded are being developed.
- In 2000, ACIP broadened its influenza vaccine recommendations to include all persons aged 50–64 years. This recommendation was based, in part, on an effort to increase vaccination coverage of persons in this age group with high-risk conditions. In the context of a possible vaccine shortage, it would be appropriate for contingency plans covering this age group to focus primarily on vaccinating persons with high-risk conditions rather than this entire age group.
- Influenza vaccine is routinely recommended for persons in close contact with
 persons at high risk for complications from influenza because such persons are in
 a position to transmit influenza virus infection to high-risk persons. Vaccination of
 health-care workers has been highlighted in particular because health-care workers have frequent and close contact with many different high-risk persons at a
 time when high-risk persons are particularly vulnerable.

Notices to Readers — Continued

As new information becomes available, CDC and the Food and Drug Administration (FDA) will issue updates. In the meantime, ACIP and CDC request that persons and organizations planning to administer influenza vaccine, as well as members of the general public, join in these efforts to maximize protection of persons most likely to develop serious and life-threatening complications from influenza. FDA, CDC, ACIP, National Institutes of Health, and vaccine manufacturers will continue to work together to facilitate the availability of influenza vaccine for the upcoming season and to minimize the adverse impact of an influenza vaccine shortage if one should develop. If a substantial vaccine shortage appears imminent, or if the situation warrants, then CDC and ACIP will issue further recommendations.

Reference

1. CDC. Prevention and control of influenza: recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 2000;49(no. RR-3).

Notice to Readers

Summary of the Joint Statement on Thimerosal in Vaccines

In June 2000, a joint statement on thimerosal* in vaccines was prepared by the American Academy of Family Physicians (AAFP), the American Academy of Pediatrics (AAP), the Advisory Committee on Immunization Practices (ACIP), and the Public Health Service (PHS) in response to 1) the progress in achieving the national goal declared in July 1999 to remove thimerosal from vaccines in the recommended childhood vaccination schedule, and 2) results of recent studies that examined potential associations between exposure to mercury in thimerosal-containing vaccines and health effects. In this statement, AAFP, AAP, ACIP, and PHS recommend continuation of the current policy of moving rapidly to vaccines that are free of thimerosal as a preservative. Until adequate supplies are available, use of vaccines that contain thimerosal as a preservative is acceptable.

A joint statement issued by AAP and PHS in July 1999 and agreed to by the AAFP later in 1999 established the goal of removing thimerosal as soon as possible from vaccines routinely recommended for infants. The goal was established as a precautionary measure. No evidence existed of any harm caused by low levels of thimerosal in vaccines. Public concern had been expressed about the health effects of mercury exposure of any sort, and the elimination of mercury from vaccines was considered a feasible means of reducing an infant's total exposure to mercury in a world where other environmental sources of exposure are more difficult or impossible to eliminate (e.g., certain foods).

(Continued on page 631)

^{*}Thimerosal is a derivative of ethylmercury and has been used as an additive to biologics and vaccines since the 1930s because it is effective in killing bacteria and in preventing bacterial contamination, particularly in opened, multidose containers. The full text of this statement is available on the World-Wide Web at http://www.aafp.org/policy/camp/20.html, http:// www.aap.org/policy/jointthim.html, and http://www.cdc.gov/nip/vacsafe/concerns/ thimerosal/joint_statement_00.htm. References to sites of non-CDC organizations on the World-Wide Web are provided as a service to *MMWR* readers and do not constitute or imply endorsement of these organizations or their programs by CDC or the U.S. Department of Health and Human Services. CDC is not responsible for the content of pages found at these sites.



FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals ending July 8, 2000, with historical data

*Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

| | | Cum. 2000 | | Cum. 2000 |
|----------------|-------------------------------|-----------|--|-----------|
| Anthrax | | - | HIV infection, pediatric* [§] | 108 |
| Brucellosis* | | 26 | Plague | 4 |
| Cholera | | - | Poliomyelitis, paralytic | - |
| Congenital ru | bella syndrome | 4 | Psittacosis* | 8 |
| Cyclosporiasis | 5* | 16 | Rabies, human | - |
| Diphtheria | | - | Rocky Mountain spotted fever (RMSF) | 128 |
| Encephalitis: | California serogroup viral* | 4 | Streptococcal disease, invasive, group A | 1,671 |
| | eastern equine* | - | Streptococcal toxic-shock syndrome* | 55 |
| | St. Louis* | - | Syphilis, congenital ¹ | 67 |
| | western equine* | - | Tetanus | 12 |
| Ehrlichiosis | human granulocytic (HGE)* | 48 | Toxic-shock syndrome | 86 |
| | human monocytic (HME)* | 20 | Trichinosis | 4 |
| Hansen disea | se (leprosy)* | 30 | Typhoid fever | 162 |
| Hantavirus pu | Ilmonary syndrome*† | 13 | Yellow fever | - |
| Hemolytic ure | emic syndrome, postdiarrheal* | 46 | | |

TABLE I. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending July 8, 2000 (27th Week)

-: No reported cases.

*Not notifiable in all states.

¹Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (NCID). ³Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP). Last update June 25, 2000.

¹Updated from reports to the Division of STD Prevention, NCHSTP.

| | AIDE | | | Oblemudiat | | Crumtoonoridiosia | | Escherichia | coli O157:H | 7* |
|---|--|--|--|--|--|---|--|--|---|---|
| | All | DS Cum | Chlan | nydia† | Cryptos | oridiosis | NE | | PH | LIS |
| Reporting Area | 2000 [§] | 1999 | 2000 | 1999 | 2000 | 1999 | 2000 | 1999 | 2000 | 1999 |
| UNITED STATES | 20,482 | 22,981 | 294,973 | 334,806 | 632 | 912 | 1,151 | 852 | 676 | 873 |
| NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn. | 1,213 16 18 11 776 49 343 | 1,109 29 30 6 702 63 279 | 11,011 694 511 276 5,128 1,211 3,191 | 10,893 566 512 247 4,605 1,216 3,747 | 34 9 4 13 6 2 | 46 9 5 6 23 - 3 | 122 7 10 54 8 38 | 127 11 14 15 58 6 23 | 104 6 9 4 50 5 30 | 120 - 16 8 56 7 33 |
| MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. | 4,928 572 2,620 1,036 700 | 5,893 727 2,995 1,146 1,025 | 20,385 N 5,527 3,553 11,305 | 35,269 N 14,943 6,319 14,007 | 64 39 7 7 11 | 193 57 113 15 8 | 128 103 7 18 N | 59 38 4 17 N | 67 43 - 16 8 | 66 5 - 60 1 |
| E.N. CENTRAL Ohio Ind. III. Mich. Wis. | 2,052 306 191 1,198 255 102 | 1,498 246 189 677 307 79 | 48,339 12,299 6,086 13,112 12,130 4,712 | 55,283 14,147 6,163 16,539 11,264 7,170 | 137 23 12 7 28 67 | 158 20 9 31 22 76 | 198 42 35 55 40 26 | 162 54 19 61 28 N | 93 25 23 - 26 19 | 150 48 20 39 19 24 |
| W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans. | 480 87 52 223 1 4 31 82 | 502 82 52 231 4 11 37 85 | 17,057 3,282 2,101 6,331 282 865 1,548 2,648 | 19,494 3,912 2,274 7,097 459 821 1,720 3,211 | 57 11 17 10 5 7 2 | 54 13 12 10 4 3 11 1 | 182 52 38 48 8 10 15 11 | 145 36 27 14 3 5 48 12 | 125 49 10 41 8 3 9 5 | 184 60 15 24 5 17 61 2 |
| S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. | 5,443 94 602 388 385 33 334 434 607 2,566 | 6,282 80 720 239 335 31 394 579 957 2,947 | 62,427 1,480 6,384 1,731 7,782 753 11,454 4,880 11,830 16,133 | 71,896 1,417 6,571 N 7,707 916 11,724 9,166 18,357 16,038 | 123 4 7 4 3 11 - 61 26 | 165 7 7 10 4 86 51 | 98 - 12 - 20 7 19 6 13 21 | 99 4 7 28 4 22 12 7 15 | 51 - U 15 3 11 2 10 9 | 86 - - 29 2 27 9 U 19 |
| E.S. CENTRAL Ky. Tenn. Ala. Miss. | 1,005 114 407 262 222 | 1,028 151 402 255 220 | 23,692 4,167 7,319 7,432 4,774 | 22,598 3,985 7,109 5,346 6,158 | 25 1 7 10 7 | 12 4 2 2 | 50 18 20 5 7 | 59 14 25 14 6 | 26 12 12 - 2 | 45 11 18 14 2 |
| W.S. CENTRAL Ark. La. Okla. Tex. | 1,868 103 336 156 1,273 | 2,475 90 464 71 1,850 | 44,100 2,717 9,808 4,019 27,556 | 45,747 3,082 7,279 4,105 31,281 | 28 1 8 4 15 | 40 - 21 2 17 | 68 33 4 9 22 | 43 5 5 7 26 | 59 3 18 7 31 | 53 5 7 6 35 |
| MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev. | 755 9 13 6 157 86 244 67 173 | 852 4 12 3 171 46 422 80 114 | 18,904 803 966 377 5,582 2,345 5,851 1,240 1,740 | 18,079 654 869 382 4,186 2,731 6,570 1,092 1,595 | 42 8 3 12 2 3 9 2 | 41 7 3 - 4 17 7 N 3 | 130 15 14 7 55 5 5 25 7 2 | 67 4 2 3 25 4 11 15 3 | 70 - 2 30 3 18 17 - | 60 - 5 15 2 7 19 6 |
| PACIFIC Wash. Oreg. Calif. Alaska Hawaii | 2,738 285 89 2,275 10 79 | 3,342 185 87 3,011 13 46 | 49,058 6,645 2,626 37,476 1,182 1,129 | 55,547 6,124 3,251 43,589 946 1,637 | 122 N 8 114 - | 203 N 76 127 - | 175 55 29 82 2 7 | 91 31 22 33 - 5 | 81 43 31 - 7 | 109 40 22 42 5 |
| Guam P.R. V.I. Amer. Samoa C.N.M.I. | 13 518 21 - | 5 737 15 - | 298 - - - | 233 U U U U | | - U U U | N 4 - - | N 5 U U | U U U U U | |

TABLE II. Provisional cases of selected notifiable diseases, United States,weeks ending July 8, 2000, and July 10, 1999 (27th Week)

N: Not notifiable. U: Unavailable. -: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands. * Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS). * Chlamydia refers to genital infections caused by *C. trachomatis.* Totals reported to the Division of STD Prevention, NCHSTP. * Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update June 25, 2000.

| | Gono | rrhea | Hepa Non-A | titis C; , Non-B | Legion | ellosis | Lyme Disease | | |
|---|--|--|---|--|--|--|--|--|--|
| Reporting Area | Cum. 2000 | Cum. 1999 | Cum. 2000 | Cum. 1999 | Cum. 2000 | Cum. 1999 | Cum. 2000 | Cum. 1999 | |
| UNITED STATES | 153,214 | 178,480 | 1,275 | 1,959 | 366 | 454 | 2,952 | 4,570 | |
| NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn. | 3,007 41 53 30 1,342 304 1,237 | 3,280 27 49 28 1,281 313 1,582 | 27 1 3 20 3 | 9 1 3 2 3 - | 23 2 2 9 3 5 | 29 3 4 10 3 6 | 734 35 4 275 57 363 | 1,382 1 2 372 99 907 | |
| MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. | 12,964 3,380 2,322 1,958 5,304 | 20,325 3,077 7,102 3,759 6,387 | 35 35 - - | 69 34 - 35 | 73 32 4 37 | 111 27 14 11 59 | 1,690 821 4 287 578 | 2,271 965 67 564 675 | |
| E.N. CENTRAL Ohio Ind. III. Mich. Wis. | 29,959 7,254 2,808 9,123 9,045 1,729 | 34,401 8,863 3,294 11,199 7,874 3,171 | 115 4 1 7 103 | 1,086 1 31 463 590 | 89 38 20 8 17 6 | 143 44 18 19 35 27 | 59 25 10 1 23 | 317 22 14 11 8 262 | |
| W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans. | 7,460 1,334 465 3,811 6 128 562 1,154 | 8,228 1,439 529 4,029 43 80 786 1,322 | 345 5 1 314 - 3 22 | 94 2 90 - 2 | 27 1 4 17 - 1 - 4 | 24 1 7 11 4 | 75 24 4 14 - - 33 | 66 13 8 30 1 - 7 7 | |
| S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. | 45,123 830 4,221 1,235 4,955 227 9,315 5,783 7,369 11,188 | 52,805 863 5,881 1,862 5,189 309 10,062 5,227 12,065 11,347 | 62 6 2 1 9 13 1 2 28 | 107 29 10 13 24 12 1 18 | 80 4 25 1 11 N 8 2 4 24 | 55 6 10 - 13 N 8 7 - 11 | 325 34 207 1 49 8 11 2 - 13 | 407 35 288 1 29 10 34 3 - 7 | |
| E.S. CENTRAL Ky. Tenn. Ala. Miss. | 17,029 1,740 5,695 5,843 3,751 | 17,693 1,740 5,644 4,834 5,475 | 229 17 57 7 148 | 159 9 54 1 95 | 11 5 4 2 | 22 10 10 2 | 14 3 8 2 1 | 40 5 15 10 10 | |
| W.S. CENTRAL Ark. La. Okla. Tex. | 22,989 1,427 6,894 1,731 12,937 | 25,753 1,529 5,987 2,083 16,154 | 276 3 171 4 98 | 261 14 183 7 57 | 11 - 8 1 2 | 2 - 1 1 - | 1 - 1 - | 16 1 3 4 8 | |
| MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev. | 4,831 26 49 30 1,509 508 1,920 125 664 | 4,905 21 40 1,202 525 2,349 103 652 | 105 2 3 61 14 10 11 - 4 | 100 4 34 15 17 18 5 3 | 18 - 3 1 7 1 2 4 - | 28 - - 7 1 4 10 6 | 3 - 1 1 - - 1 | 6 - 1 1 - 1 2 | |
| PACIFIC Wash. Oreg. Calif. Alaska Hawaii | 9,852 1,153 345 8,032 160 162 | 11,090 1,056 469 9,187 155 223 | 81 13 17 49 - 2 | 74 9 11 54 - | 34 11 N 23 | 40 9 N 30 1 | 51 3 45 - N | 65 2 6 57 N | |
| Guam P.R. V.I. Amer. Samoa <u>C.N.M.I.</u> | 275 - - - | 31 172 U U U | - 1 - - | U U U U | | - U U U | N - - | N U U U | |

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending July 8, 2000, and July 10, 1999 (27th Week)

N: Not notifiable. U: Unavailable. - : No reported cases.

| | | | | | Salmonellosis* | | | | |
|--|--|--|--|--|---|---|---|--|--|
| | Mal | aria | Rabies | , Animal | NE | TSS | Pł | ILIS | |
| Reporting Area | Cum. 2000 | Cum. 1999 | Cum. 2000 | Cum. 1999 | Cum. 2000 | Cum. 1999 | Cum. 2000 | Cum. 1999 | |
| UNITED STATES | 492 | 625 | 2,692 | 3,040 | 14,107 | 15,741 | 9,816 | 14,598 | |
| NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn. | 19 4 1 2 6 4 2 | 24 2 - 1 11 2 8 | 354 73 8 34 117 21 101 | 427 79 26 60 94 51 117 | 932 68 64 57 530 40 173 | 936 61 49 37 535 52 202 | 871 38 62 58 488 49 176 | 965 50 60 36 529 72 218 | |
| MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. | 85 30 29 9 17 | 170 34 82 34 20 | 492 340 U 80 72 | 563 392 U 102 69 | 1,790 523 390 418 459 | 2,152 502 627 481 542 | 1,748 502 560 307 379 | 2,022 525 651 469 377 | |
| E.N. CENTRAL Ohio Ind. III. Mich. Wis. | 54 12 3 19 15 5 | 81 9 35 20 9 | 30 9 1 20 | 49 12 - 25 10 | 2,066 555 255 605 421 230 | 2,422 451 206 802 466 497 | 1,241 423 233 1 428 156 | 2,101 451 206 743 462 239 | |
| W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans. | 23 8 1 4 2 - 2 6 | 26 5 7 10 - - 4 | 270 48 42 11 74 48 - 47 | 405 54 65 14 84 120 3 65 | 980 201 151 347 27 36 64 154 | 976 221 102 345 15 44 108 141 | 1,012 282 94 397 39 37 44 119 | 1,113 334 95 402 30 68 83 101 | |
| S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. | 140 3 45 8 1 1 11 1 39 | 150 1 47 10 31 1 10 2 13 35 | 1,174 20 227 - 284 63 287 70 157 66 | 1,089 30 232 65 221 79 101 90 | 2,834 48 385 29 389 72 386 272 450 803 | 3,082 56 360 46 534 59 469 188 486 884 | 1,791 51 339 U 302 67 292 180 514 46 | 2,608 65 377 U 486 63 517 165 670 265 | |
| E.S. CENTRAL Ky. Tenn. Ala. Miss. | 19 5 5 8 1 | 12 2 5 4 1 | 94 14 48 32 | 151 24 55 72 | 740 165 190 220 165 | 826 185 211 236 194 | 432 111 194 111 16 | 598 134 227 204 33 | |
| W.S. CENTRAL Ark. La. Okla. Tex. | 7 1 2 4 | 13 2 9 2 | 35 - - 35 - | 62 - - 62 - | 1,090 218 107 155 610 | 1,414 189 291 170 764 | 1,264 105 177 104 878 | 1,169 76 254 125 714 | |
| MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev. | 23 1 1 - 11 - 3 3 4 | 22 4 1 9 2 2 2 1 | 113 34 1 26 - 10 39 2 1 | 103 37 29 1 4 31 - 1 | 1,306 58 69 24 392 108 354 172 129 | 1,425 28 41 20 409 216 402 218 91 | 908 - 14 363 83 267 181 | 1,291 1 45 22 400 166 365 243 49 | |
| PACIFIC Wash. Oreg. Calif. Alaska Hawaii | 122 12 22 85 3 | 127 10 13 95 - 9 | 130 - 2 109 19 - | 191 - 1 183 7 - | 2,369 213 163 1,865 29 99 | 2,508 224 244 1,812 23 205 | 549 237 202 - 18 92 | 2,731 427 272 1,854 13 165 | |
| Guam P.R. V.I. Amer. Samoa C.N.M.I. | - - - - | - - - - U U U | 32 - - - | 50 U U U | 109 - - - | 20 249 U U U | U U U U | U U U U U | |

 TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending July 8, 2000, and July 10, 1999 (27th Week)

N: Not notifiable. U: Unavailable. -: No reported cases. * Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

| | | Shige | losis* | | Sy | philis | | | |
|---|--|--|---|---|---|--|---|---|--|
| | NET | SS | P | HLIS | (Primary 8 | & Secondary) | Tube | erculosis | |
| Reporting Area | 2000 | 1999 | 2000 | 1999 | 2000 | 1999 | 2000 | 1999 [†] | |
| UNITED STATES | 8,468 | 6,952 | 3,994 | 3,957 | 2,964 | 3,401 | 5,309 | 7,679 | |
| NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn. | 169 6 3 1 120 12 27 | 175 3 7 4 116 14 31 | 131 6 - 86 12 27 | 150 6 3 98 9 34 | 41 1 - 31 3 5 | 31 - 2 19 1 8 | 192 2 4 116 23 45 | 204 11 - 116 20 53 | |
| MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. | 1,015 425 387 120 83 | 480 120 157 124 79 | 624 146 326 76 76 | 282 34 120 102 26 | 121 7 40 24 50 | 151 13 66 32 40 | 1,172 131 637 280 124 | 1,198 141 639 258 160 | |
| E.N. CENTRAL Ohio Ind. III. Mich. Wis. | 1,861 143 760 431 402 125 | 1,318 260 69 486 169 334 | 527 95 51 2 346 33 | 632 63 29 386 122 32 | 584 39 220 168 136 21 | 609 50 209 220 113 17 | 604 132 40 305 82 45 | 771 108 59 390 163 51 | |
| W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans. | 895 189 241 351 4 2 25 83 | 565 82 9 410 2 8 31 23 | 603 201 131 221 3 1 9 37 | 391 103 13 226 2 5 23 19 | 37 3 10 19 - 2 3 | 80 7 52 - 4 10 | 236 79 23 94 2 9 10 19 | 260 100 26 97 2 3 12 20 | |
| S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. | 1,220 8 67 16 201 3 64 63 122 676 | 1,119 8 62 31 42 5 115 62 108 686 | 322 6 23 U 133 3 26 46 36 49 | 297 3 21 U 23 3 57 35 42 113 | 1,005 5 143 31 69 1 299 97 178 182 | 1,113 4 227 26 89 2 250 140 210 165 | 1,177 134 7 108 18 162 54 214 480 | 1,608 20 134 27 121 23 212 169 317 585 | |
| E.S. CENTRAL Ky. Tenn. Ala. Miss. | 428 107 210 23 88 | 693 130 446 63 54 | 258 44 200 11 3 | 452 93 323 35 1 | 458 51 286 62 59 | 601 52 331 131 87 | 381 58 171 152 | 490 98 153 151 88 | |
| W.S. CENTRAL Ark. La. Okla. Tex. | 949 108 71 64 706 | 1,235 51 104 325 755 | 973 24 72 16 861 | 509 21 57 99 332 | 403 49 100 73 181 | 515 37 129 110 239 | 165 101 1 63 | 1,077 82 U 66 929 | |
| MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev. | 483 4 31 1 80 47 210 35 75 | 354 6 5 2 54 45 191 27 24 | 202 - 2 37 22 105 36 - | 238 6 1 42 31 120 27 11 | 107 - 1 2 15 85 - 3 | 116 - - 1 6 102 2 4 | 233 6 5 1 30 29 102 22 38 | 229 5 1 U 30 114 25 54 | |
| PACIFIC Wash. Oreg. Calif. Alaska Hawaii | 1,448 315 95 1,006 7 25 | 1,013 53 37 900 - 23 | 354 279 55 3 17 | 1,006 56 32 897 - 21 | 208 35 4 168 - 1 | 185 39 3 141 1 1 | 1,149 113 8 909 51 68 | 1,842 86 57 1,584 31 84 | |
| Guam P.R. V.I. Amer. Samoa C.N.M.I. | - 1 - - | 7 54 U U U | | U U U U | - 65 - - | 1 85 U U U | - - - | 103 U U U | |

| TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States |
|---|
| weeks ending July 8, 2000, and July 10, 1999 (27th Week) |

N: Not notifiable. U: Unavailable. -: No reported cases. *Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS). *Cumulative reports of provisional tuberculosis cases for 1999 are unavailable ("U") for some areas using the Tuberculosis Information System (TIMS).

| | H. influ | ienzae, | H | epatitis (Vi | iral), By Ty | /pe | | / | Meas | | | |
|---------------------------|---------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|-----------|--------------|--------------|--------------|
| | Inva | sive | Α | | В | | Indigenous | | Imported* | | Total | |
| Reporting Area | Cum. 2000† | Cum. 1999 | Cum. 2000 | Cum. 1999 | Cum. 2000 | Cum. 1999 | 2000 | Cum. 2000 | 2000 | Cum. 2000 | Cum. 2000 | Cum. 1999 |
| UNITED STATES | 642 | 633 | 5,575 | 9,736 | 3,349 | 3,482 | 3 | 29 | - | 10 | 39 | 59 |
| NEW ENGLAND | 47 | 45 | 140 | 119 | 35 | 76 | - | - | - | 3 | 3 | 9 |
| N.H. | 9 | 5 | 16 | 4 | 10 | 8 | - | - | - | - | - | - 1 |
| Vt. Mass. | 3 23 | 4 19 | 4 56 | 1 47 | 4 7 | 1 27 | - | - | - | 3 | 3 | - 6 |
| R.I. Conn. | 1 10 | - 10 | 7 47 | 9 51 | 9 | 17 23 | - | - | - | - | - | - 2 |
| MID. ATLANTIC | 101 | 114 | 335 | 621 | 337 | 481 | 3 | 6 | - | 1 | 7 | 5 |
| Upstate N.Y. N.Y. City | 50 23 | 47 35 | 106 150 | 132 165 | 64 194 | 108 145 | 3 | 6 | - | - | 6 | 2 3 |
| N.J. Pa | 21 7 | 29 | 79 | 80 244 | 79 | 73 155 | - | - | - | - 1 | - 1 | - |
| E.N. CENTRAL | , 84 | 100 | 682 | 1.635 | 364 | 346 | - | 6 | - | - | 6 | 2 |
| Ohio | 35 11 | 37 14 | 146 | 376 | 65 26 | 49 27 | - | 2 | - | - | 2 | - 1 |
| III. Mish | 33 | 41 | 238 | 352 | 61 | - | - | 3 | - | - | 3 | - |
| Wis. | - | - | 13 | 46 | 1 | 247 | - | - | - | - | - | - |
| W.N. CENTRAL | 36 16 | 26 12 | 589 | 394 | 492 | 144 | - | 2 | - | 1 | 3 | - |
| lowa | - | 1 | 49 | | 21 | 23 | - | 1 | - | - | 1 | - |
| No. N. Dak. | 8 1 | - | 284 2 | 233 | 407 | 84 - | Ū | - | Ū | - | - | - |
| S. Dak. Nebr. | - 4 | 2 3 | - 18 | 8 33 | - 18 | 1 11 | Ū | - | Ū | - | - | - |
| Kans. | 7 | 4 | 107 | 10 | 25 | 3 | - | 1 | - | - | 1 | - |
| S. ATLANTIC Del. | 177 | 138 | 698 | 923 2 | 636 | 542 | - | 1 | - | - | 1 | 4 |
| Md. D.C. | 46 | 34 4 | 84 11 | 173 35 | 68 16 | 97 12 | - | - | - | - | - | - |
| Va. | 28 | 12 | 76 44 | 82 10 | 78 | 53 14 | - | - | - | - | - | 3 |
| N.C. | 15 | 22 | 92 92 | 64 | 139 | 125 | - | - | - | - | - | - |
| Ga. | 50 | 41 | 30 111 | 268 | 98 | 38 63 | - | - | - | - | - | - |
| Fla. | 25 | 19 | 250 | 259 | 226 | 140 | - | 1 | - | - | 1 | 1 |
| Ky. | 29 11 | 42 | 234 | 233 | 244 50 | 246 | - | - | - | - | - | 2 |
| Ienn. Ala. | 13 4 | 21 13 | 90 31 | 97 36 | 109 27 | 117 52 | - | - | - | - | - | - |
| Miss. | 1 | 2 | 86 | 56 | 58 | 58 | - | - | - | - | - | - |
| W.S. CENTRAL Ark. | 36 | 42 1 | 925 89 | 2,898 25 | 353 55 | 590 43 | - | 1 1 | - | - | 1 | 4 |
| La. Okla. | 7 27 | 11 27 | 28 153 | 97 303 | 50 71 | 113 73 | - | - | - | - | - | - |
| Tex. | 2 | 3 | 655 | 2,473 | 177 | 361 | - | - | - | - | - | 4 |
| MOUNTAIN Mont. | 69 - | 57 1 | 470 2 | 734 12 | 250 3 | 325 16 | - | 11 | - | 1 - | 12 | 1 |
| ldaho Wyo. | 3 1 | 1 1 | 17 8 | 29 4 | 5 2 | 18 7 | - | - | - | - | - | - |
| Colo. | 11 14 | 9 13 | 100 | 142 30 | 51 | 47 | - | 1 | - | 1 | 2 | - |
| Ariz. | 33 | 28 | 235 | 417 | 89 | 80 | - | - | - | - | - | 1 |
| Nev. | 6 1 | 2 | 34 33 | 28 72 | 14 22 | 20 33 | - | 3 | - | - | 3 | - |
| PACIFIC | ങ് | 69 | 1,502 | 2,179 | 638 | 732 | - | 2 | - | 4 | 6 | 32 |
| Oreg. | | 24 | 145 | 168 | 41 50 | 34 61 | - | - | - | - | - | 10 |
| Calif. Alaska | 24 2 | 36 5 | 1,233 8 | 1,847 4 | 537 5 | 616 13 | - | 1 1 | - | 2 | 3 1 | 16 - |
| Hawaii | 16 | 2 | - | 13 | 5 | 8 | - | - | - | 2 | 2 | 1 |
| Guam P.R. | - 1 | 2 | - 55 | 2 173 | - 54 | 2 125 | U U | - | U U | - | - | 1 - |
| V.I. Amer. Samoa | - | U U | - | U U | - | U U | U U | - | U U | - | - | U U |
| CNMI | _ | 11 | _ | 11 | _ | 11 | 11 | _ | | _ | _ | 11 |

TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending July 8, 2000, and July 10, 1999 (27th Week)

N: Not notifiable. U: Unavailable. - : No reported cases. *For imported measles, cases include only those resulting from importation from other countries. *Of 130 cases among children aged <5 years, serotype was reported for 59 and of those, 16 were type b.

| | Meningococcal Disease | | | Mumps | | | Pertussis | | Rubella | | |
|---|--|--|---|---|---|----------------------------------|---|---|--|--------------------------------------|--|
| Reporting Area | Cum. 2000 | Cum. 1999 | 2000 | Cum. 2000 | Cum. 1999 | 2000 | Cum. 2000 | Cum. 1999 | 2000 | Cum. 2000 | Cum. 1999 |
| UNITED STATES | 1,229 | 1,418 | 4 | 198 | 217 | 44 | 2,485 | 3,010 | 19 | 76 | 160 |
| NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn. | 77 6 9 2 47 5 8 | 69 5 9 4 41 2 8 | - - - - - | 2 - - 1 1 | 5 - 1 - 4 - | 4 - 4 - - | 636 14 62 142 380 9 29 | 331 53 25 236 8 9 | - - - - | 6 - 2 - 3 - 1 | 7 - - 7 - - |
| MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa. | 119 36 25 26 32 | 144 39 42 31 32 | - - - | 9 6 - 3 | 29 5 7 1 | 6 6 - - | 189 115 - 74 | 597 499 19 15 64 | | 2 2 - - | 23 15 2 3 3 |
| E.N. CENTRAL Ohio Ind. III. Mich. Wis. | 221 51 34 53 64 19 | 253 94 32 65 35 27 | - - - - | 23 7 5 11 | 27 7 3 7 8 2 | 1 - - 1 - | 279 167 27 23 31 31 | 253 114 14 54 25 46 | | 1 - - 1 - | 2 - 1 1 - |
| W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans. | 104 7 19 61 2 5 5 5 | 139 29 26 51 3 8 8 14 | - - - - - U - - - | 12 - 5 1 - 2 4 | 9 1 4 1 - - 3 | 1 - - U - U 1 | 135 66 24 23 1 3 3 15 | 109 33 23 27 4 3 19 | - - - - U - - | 1 - - - - 1 | 83 - 25 2 - 56 - |
| S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla. | 201 - 19 - 32 8 30 15 33 64 | 219 4 35 1 26 4 27 30 43 49 | 1 - - - 1 - - - | 32 - - 5 - 5 10 2 3 | 35 - 4 2 8 - 8 3 1 9 | 15 1 - 1 2 - 9 | 208 5 47 1 21 51 19 20 43 | 154 - 47 - 13 1 42 8 16 27 | 19 - - - 19 - - - | 51 - - 42 7 - 2 | 20 - - - - 19 - - - - |
| E.S. CENTRAL Ky. Tenn. Ala. Miss. | 88 18 38 25 7 | 108 19 41 29 19 | - - - | 6 - 2 2 2 | 7 - 5 2 | 2 - 1 1 - | 45 19 14 11 1 | 54 12 27 13 2 | | 4 1 - 3 - | 2 - 2 - |
| W.S. CENTRAL Ark. La. Okla. Tex. | 87 9 27 21 30 | 144 26 52 21 45 | - - - | 20 1 3 - 16 | 29 - 6 1 22 | 2 - - 2 | 117 10 3 98 | 85 8 5 8 64 | | 4 - - 4 | 4 - - 4 |
| MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev. | 66 1 24 7 18 7 3 | 89 2 8 3 22 11 29 9 5 | | 14 - 1 1 3 4 3 | 10 - - 3 N - 3 3 | 8 - 5 1 - - - | 407 9 42 1 225 74 41 9 6 | 364 2 100 2 131 36 60 31 2 | | 2 - - 1 - 1 - - | 15 - - - 13 1 1 |
| PACIFIC Wash. Oreg. Calif. Alaska Hawaii | 266 32 36 187 5 6 | 253 38 47 158 6 4 | 3 - N 3 - | 80 3 N 67 7 3 | 66 2 N 56 1 7 | 5 3 2 - - | 469 181 55 215 12 6 | 1,063 505 21 510 3 24 | | 5 - 5 - - | 4 - 4 - |
| Guam P.R. V.I. Amer. Samoa C.N.M.I. | - 5 - - | 1 9 U U U | U U U U U | - - - | 1 - U U U | U U U U | | 1 13 U U U | U U U U | | - - U U U |

TABLE III. (Cont'd) Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending July 8, 2000, and July 10, 1999 (27th Week)

N: Not notifiable. U: Unavailable.

- : No reported cases.

| All Causes, By Age (Years) | | P&l⁺ | | All Causes, By Age (Years) | | | | | | P&I⁺ | | | | | |
|---|--|---|--|---|--|---|--|---|---|---|--|---|---|---|--|
| Reporting Area | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | Total | Reporting Area | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | Total |
| NEW ENGLAND Boston, Mass. Bridgeport, Conn. Cambridge, Mass. Fall River, Mass. Hartford, Conn. Lowell, Mass. Lynn, Mass. New Bedford, Mas. New Haven, Conn Providence, R.I. Somerville, Mass. Springfield, Mass Waterbury, Conn. | 484 118 51 2356 32 12 532 12 532 12 532 12 532 12 532 12 53 25 532 12 53 21 53 21 53 21 53 21 53 21 21 53 21 21 53 21 21 53 53 21 21 53 53 21 21 23 55 53 21 25 55 53 21 25 55 53 21 25 55 53 21 25 55 53 22 55 55 55 55 55 55 55 55 55 55 55 55 | 358 77 40 10 17 35 29 12 18 24 U 4 22 29 21 | 82 6 2 6 14 2 9 U 1 1 4 2 9 1 | 29 13 2 - - 1 1 U 1 2 1 4 | 9 3 1 - 2 1 - 2 U - - | 6 2 2 - - - 1 U - - - - - - - - - - - - - - - | 42 9 1 1 - 8 5 1 1 1 U - 7 1 7 | S. ATLANTIC Atlanta, Ga. Baltimore, Md. Charlotte, N.C. Jacksonville, Fla Miami, Fla. Norfolk, Va. Richmond, Va. Savannah, Ga. St. Petersburg, F Tampa, Fla. Washington, D.C Wilmington, De E.S. CENTRAL | 884 U 171 80 . 135 104 41 39 51a. 36 119 C. 103 I. 19 777 | 564 U 106 46 91 52 31 23 23 31 80 67 14 494 | 206 U 38 16 31 33 5 9 0 4 28 27 5 169 | 72 U 22 12 8 13 1 5 1 5 4 - 70 | 21 U 2 1 5 2 1 2 - 3 4 - 22 | 20 U 3 5 4 2 1 1 3 1 22 | 56 U 13 4 9 8 - 3 2 11 3 - 56 |
| MID. ATLANTIC Albany, N.Y. Allentown, Pa. Buffalo, N.Y. Camden, N.J. Elizabeth, N.J. Erie, Pa.§ | 2,079 42 U 100 28 5 35 | 1,396 34 U 69 15 4 31 | 424 3 U 20 4 1 2 | 166 2 U 6 5 - 2 | 51 2 U 3 2 - | 40 1 U 2 2 - | , 110 3 U 11 - 1 3 | Birmingham, Al. Chattanooga, Te Knoxville, Tenn. Lexington, Ky. Memphis, Tenn. Mobile, Ala. Montgomery, A Nashville, Tenn. | a. 144 enn. 68 77 30 . 226 85 Ia. 38 109 | 98 52 52 10 144 41 33 64 | 31 8 17 14 53 15 4 27 | 7 5 4 16 21 1 12 | 7 2 1 4 4 2 | 1 1 2 1 9 4 - 4 | 20 2 2 20 4 5 3 |
| Jersey City, N.J. New York City, N.Y. Newark, N.J. Paterson, N.J. Philadelphia, Pa. Pittsburgh, Pa.§ Reading, Pa. Rochester, N.Y. Schenectady, N.Y. Scranton, Pa.§ Syracuse, N.Y. Trenton, N.J. Utica, N.Y. Yonkers, N.Y. | 41 41 52 10 299 37 39 127 22 33 58 29 18 U | 20 725 24 6 197 25 34 95 28 45 28 45 13 15 U | 10 246 26 62 7 22 4 4 7 9 3 U | 6 91 5 2 6 2 2 6 2 1 3 5 - U | 3 20 4 - 13 - 1 - 2 - - U | 2 21 3 - 1 3 - 2 - 1 2 - 1 2 - U | - 45 1 23 1 4 10 1 1 3 2 - U | W.S. CENTRAL Austin, Tex. Baton Rouge, La Corpus Christi, T Dallas, Tex. El Paso, Tex. Houston, Tex. Houston, Tex. Little Rock, Ark. New Orleans, La San Antonio, Te Shreveport, La. Tulsa, Okla. | 1,175 68 . 26 Fex. 47 164 51 98 313 39 . U x. 183 100 86 | 748 46 18 92 33 67 179 24 U 120 73 64 | 241 12 6 8 41 12 23 69 10 U 38 11 11 | 117 6 19 5 6 44 3 U 15 6 6 | 47 3 - 1 7 - 2 16 1 U 7 6 4 | 22 1 5 1 5 1 0 3 4 1 | 102 9 2 10 4 10 34 4 U 12 11 4 |
| E.N. CENTRAL Akron, Ohio Canton, Ohio Chicago, III. Cincinnati, Ohio Cleveland, Ohio Columbus, Ohio Dayton, Ohio Detroit, Mich. Evansville, Ind. Fort Wayne, Ind. Gary, Ind. Grand Rapids, Mic Indianapolis, Ind. Lansing, Mich | 1,415 42 38 393 U 111 134 84 150 37 55 18 ch. 36 36 | 923 31 254 U 66 83 57 72 26 38 10 27 20 27 20 | 299 5 6 8 4 26 28 19 42 7 13 5 4 U 9 | 118 4 1 36 U 11 17 6 17 2 2 2 2 2 2 0 3 | 35 2 9 0 3 4 1 7 1 - 3 0 1 | 40 2 - 10 U 5 2 1 12 1 1 1 - U 1 | 97 2 3 3 U 5 6 5 7 3 4 - 5 U 2 | MOUNTAIN Albuquerque, N Boise, Idaho Colo. Springs, C Denver, Colo. Las Vegas, Nev. Ogden, Utah Phoenix, Ariz. Pueblo, Colo. Salt Lake City, U Tucson, Ariz. PACIFIC Berkeley, Calif. Fresno, Calif. | 822 .M. 97 33 colo. 65 84 178 29 151 15 151 15 48 86 2,083 14 75 | 540 58 25 47 42 119 21 93 11 56 68 1,450 11 52 | 160 24 5 12 17 40 5 25 2 19 11 409 2 15 | 71 7 1 3 14 13 3 16 2 7 5 130 5 | 27 7 2 2 2 4 - 7 1 2 53 - 2 | 20 1 9 2 6 1 39 1 1 | 54 4 3 4 16 - 11 - 4 8 155 1 - |
| Milwaukee, Wis. Peoria, III. Rockford, III. South Bend, Ind. Toledo, Ohio Youngstown, Ohio | 30 79 26 43 31 102 0 U | 22 57 14 35 25 77 U | 9 19 7 2 5 18 U | 3 2 3 1 6 U | 1 1 1 - U | 1 2 - 1 U | 2 4 2 6 1 9 U | Glendale, Calif. Honolulu, Hawa Long Beach, Cal Los Angeles, Cal Pasadena, Calif. Portland, Oreg. Sacramento, Cal | 47 ii 58 if. 67 lif. 1,004 27 84 lif. 183 | 30 48 48 682 21 59 132 | 8 7 9 211 3 18 35 | 7 2 3 71 1 5 10 | 1 - 3 26 1 1 5 | 1 4 14 1 1 | 5 4 68 1 8 17 |
| W.N. CENTRAL Des Moines, Iowa Duluth, Minn. Kansas City, Kans. Kansas City, Mo. Lincoln, Nebr. Minneapolis, Min Omaha, Nebr. St. Louis, Mo. St. Paul, Minn. Wichita, Kans. | 784 U 13 90 21 n. 130 63 66 45 260 | 516 U 10 58 60 16 90 29 41 35 177 | 144 U 19 20 4 22 6 13 8 51 | 60 U 2 8 11 9 1 8 1 19 | 25 U - 4 5 - 4 - 2 1 9 | 18 U - 5 6 2 - 4 | 43 U - 4 4 - 6 7 6 - 16 | San Diego, Calif San Francisco, C San Jose, Calif. Santa Cruz, Calif Seattle, Wash. Spokane, Wash. Tacoma, Wash. TOTAL | . 132 Calif. U 200 f. 21 U 56 115 10,503 ¹ | 87 U 142 15 U 40 83 6,989 | 32 U 37 5 U 7 20 2,134 | 6 U 12 1 U 3 4 833 | 2 U 5 U 2 5 290 | 5 U 4 U 4 1 227 | 14 U 18 2 U 5 6 715 |

TABLE IV. Deaths in 122 U.S. cities,* week endingJuly 8, 2000 (27th Week)

U: Unavailable. -:No reported cases. *Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of ≥100,000. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included. *Pneumonia and influenza. *Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.

Vol. 49 / No. 27

MMWR

Notices to Readers — Continued

Since July 1999, substantial progress has been made in removing thimerosal from vaccines. As of March 2000, all U.S. children had access to hepatitis B vaccines that do not contain thimerosal as a preservative. Beginning July 2000, only single-dose thimero-sal-free *Haemophilus influenzae* type b vaccine will be produced in the United States; previously manufactured multidose vials containing thimerosal still may be in distribution. One diphtheria and tetanus toxoids and acellular pertussis vaccine (DTaP) that does not contain thimerosal is available, and it is projected that additional DTaP vaccines without thimerosal as a preservative will become available in early 2001. On the basis of this progress, the most likely maximum amount of ethylmercury that an infant may be exposed to from the routine vaccination schedule has been reduced by 60%, from 187.5 µg to 75 µg. Measles-mumps-rubella, varicella, inactivated polio, and pneumococcal conjugate vaccines have never contained thimerosal.

Research on the potential health effects of exposure to thimerosal is continuing, and findings will be monitored closely by PHS to determine whether any changes in policy are needed. AAFP, AAP, and PHS, in consultation with the ACIP, reaffirm the goal set in July 1999 to remove or greatly reduce thimerosal from vaccines as soon as possible. On the basis of information from the Food and Drug Administration and manufacturers, PHS projects that the United States will complete its transition to a secure routine pediatric vaccine supply free of thimerosal as a preservative by the first quarter of 2001.

The vaccination of children in much of the world will continue to require the use of multidose vials because of cost, production, and storage capacity. Multidose vials require a preservative to prevent microbial contamination after the vial is opened. For multidose vials, manufacturers are encouraged to seek alternatives to thimerosal.

Contributors to the Production of the *MMWR* (Weekly)

Weekly Notifiable Disease Morbidity Data and 122 Cities Mortality Data

Samuel L. Groseclose, D.V.M., M.P.H.

State Support Team Robert Fagan Jose Aponte Paul Gangarosa, M.P.H. Gerald Jones David Nitschke Scott Noldy

CDC Operations Team

Carol M. Knowles Deborah A. Adams Willie J. Anderson Patsy A. Hall Pearl Sharp Carol A. Worsham

Informatics T. Demetri Vacalis, Ph.D.

Michele D. Renshaw

Erica R. Shaver

The Morbidity and Mortality Weekly Report (MMWR) Series is prepared by the Centers for Disease Control and Prevention (CDC) and is available free of charge in electronic format and on a paid subscription basis for paper copy. To receive an electronic copy on Friday of each week, send an e-mail message to *listserv@listserv.cdc.gov.* The body content should read *SUBscribe mmwr-toc.* Electronic copy also is available from CDC's World-Wide Web server at *http://www.cdc.gov/* or from CDC's file transfer protocol server at *ftp.cdc.gov.* To subscribe for paper copy, contact Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402; telephone (202) 512-1800.

Data in the weekly *MMWR* are provisional, based on weekly reports to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the following Friday. Address inquiries about the *MMWR* Series, including material to be considered for publication, to: Editor, *MMWR* Series, Mailstop C-08, CDC, 1600 Clifton Rd., N.E., Atlanta, GA 30333; telephone (888) 232-3228.

All material in the *MMWR* Series is in the public domain and may be used and reprinted without permission; citation as to source, however, is appreciated.

| Director, Centers for Disease Control and Prevention Jeffrey P. Koplan, M.D., M.P.H. | Acting Director, Epidemiology Program Office Barbara R. Holloway, M.P.H. | Writers-Editors, <i>MMWR</i> (Weekly) Jill Crane David C. Johnson | | | | | | |
|--|--|---|--|--|--|--|--|--|
| Deputy Director for Science and Public Health, Centers for DiseaseEditor, MMWR SeriesTeresa F. RutledgeControl and Prevention David W. Fleming, M.D.John W. Ward, M.D.Desktop PublishingMichael T. Brown (Weekly) Caran R. WilbanksMichael T. Brown Lynda G. Cupell Morie M. Higgins | | | | | | | | |
| ☆U.S. Government Printing Office: 2000-533-206/28025 Region IV | | | | | | | | |