Current Trends

## Teenage Childbearing and Abprition PAOE U.

In 1977, females aged 12-19 continued to have fewer births, more abortions, and a decreasing percentage of all births when compared to previous years. However, when combined, live births and abortions continued to rise. Moreover, because of the shifting age structure of the population (1), the number of females 12-19 declined, and the fertility rate for teenagers increased for the first time since 1970.

The increase in fertility rate for all teenagers was due to an increase in the age-specific fertility rate for teenagers age 18-19. This increase in the age-specific fertility rates was a result of an increase in the total births to a stable population of 18- to 19 -year-old women (1).

For females aged 12-14, the fertility rate in 1977 stabilized at 2.0 births per 1,000 women. Total births to females less than 15 decreased to 11,455 (from 11,928 in 1976), and abortions were down to 12,964 compared to 13,291 in 1976 (Table 1); thus, when combined, reported abortions and live births for this age group declined slightly. Although the population in this age group also decreased, combined abortions and live births declined at a faster pace, resulting in a small decrease in the conception rate (Table 2). However, when compared to 1976 , the abortion ratio increased $2 \%$, to 1,132 abortions per 1,000 live births in the less than 15 age group.

Births among 15- to 19 -year-old women increased slightly in 1977, to 559,154 (from 558,744 in 1976), representing $16.8 \%$ of all births. The fertility rate also increased slightly, to 53.7 births per 1,000 women in that age group (from 53.5 in 1976). Total abortions among 15 - to 19 -year-old women continued to increase, indicating that abortions and live births combined also increased, as did the conception rate. The abortion ratio increased $8 \%$, to 581 abortions per 1,000 live births, from 539 in 1976.

The specific age of the teenagers was associated with different childbearing and abortion patterns (Table 2). Females 14 years old and younger had a decrease in total abortions, in total births, and in abortion rate, but they had a stable fertility rate. For teenagers 15-17 years old, the total number of births decreased, while the total number of abortions increased. For this age group, the slight decline in fertility rate was primarily achieved by increased use of induced abortion. Finally, for females aged 18-19, the total number of births, total number of abortions, fertility rate, and abortion rate all increased, indicating that total conceptions also increased.

Twenty-eight states and the District of Columbia showed an increase in births from 1976 to 1977 for 15 - to 19 -year-old women. Six of these 28 and the District of Columbia reported an increase in births but a decrease in abortions. Differences in births from 1976 to 1977 ranged from a $12.3 \%$ increase in Wyoming to a $5.0 \%$ decrease in Vermont. Reported by the Abortion Surveillance Br and the Statistical Services Br, Family Planning Evaluation Div, Bur of Epidemiology, CDC.
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE

## Teenage Childbearing - Continued

TABLE 1. Births* to teenage females in 1977, with percent change from 1976, and abortionst to teenage females in 1977, United States, by state and HEW Region

|  | Fernales aged 14 and younger |  |  | Females aged 15-19 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { Births } \ddagger \\ 1977 \end{gathered}$ | \% Change in births 1976-1977 | $\begin{gathered} \text { Abortions§ } \\ 1977 \end{gathered}$ | $\begin{gathered} \text { Births } \ddagger \\ 1977 \end{gathered}$ | $\begin{gathered} \text { \% Change } \\ \text { in births } \\ 1976-1977 \end{gathered}$ | $\begin{gathered} \text { Abortions § } \\ 1977 \end{gathered}$ |
| REGION I TOTAL | 256 | -5.2 | 564 | 18,736 | +0.8 | 18,086 |
| Connecticut | 104 | +40.5 | 156 | 4,293 | +0.9 | 4,593 |
| Maine ${ }^{\text {l }}$ | 34 | +54.5 | 22 | 2,657 | +2.6 | 705 |
| Massachusetrs ${ }^{\text {l }}$ | 86 | -35.3 | 326 | 7.755 | +0.9 | 10,454 |
| New Hampshire | 7 | $1-30.0$ | 18 | 1,490 | -1.1 | 649 |
| Rhode Island | 17 | -19.0 | 30 | 1.606 | +2.6 | 1.111 |
| Vermont | 8 | -20.0 | 12 | 935 | -5.0 | 574 |
| REGION II TOTAL | 853 | -14.2 | 1.770 | 42,162 | +0.6 | 42,491 |
| New Jersey ${ }^{\text {l }}$ | 268 | -13.5 | 305 | 11,948 | -0.5 | 7,315 |
| New York | 585 | -14.5 | 1.465 | 30,214 | +1.1 | 35,176 |
| REGION III TOTAL | 1.146 | -4.3 | 2.191 | 55,310 | -0.4 | 44,570 |
| Delaware I | 60 | +7.1 | 36 | 1,557 | -3.7 | 727 |
| Distriet of Columbia | 96 | +12.9 | 453 | 2,202 | +0.1 | 7.185 |
| Maryland | 229 | -5.0 | 401 | 9.105 | +0.1 | 8,061 |
| Pennsylvania | 395 | $-9.0$ | 791 | 23,492 | -0.7 | 18,814 |
| Virginia | 285 | +6.3 | 477 | 12,535 | +0.2 | 9,104 |
| West Virginiall | 81 | -28.3 | 33 | 6,419 | -0.8 | 679 |
| REGION IV TOTAL | 3,526 | +1.0 | 2,351 | 121,148 | +0.3 | 47.817 |
| Alabama ll | 405 | -0.5 | 178 | 13,963 | +1.2 | 3.625 |
| Floridall | 740 | +2.4 | 671 | 22,234 | +0.6 | 13.649 |
| Georgia | 574 | +5.1 | 466 | 18,184 | +1.4 | 9.117 |
| Kentucky | 243 | -9.7 | 188 | 12,765 | -0.7 | 3,537 |
| Mississippi | 440 | +22.9 | 63 | 11,390 | +1.6 | 821 |
| North Casolina | 432 | 4.8 | 406 | 17,786 | -0.8 | 8,375 |
| South Caralina | 312 | -10.3 | 120 | 10,629 | -0.5 | 3.097 |
| Tennessee | 380 | -1.6 | 259 | 14,197 | -0.5 | 5,596 |
| REGION V TOTAL | 1,923 | -8.9 | 1,474 | 111,557 | -0.3 | 55,127 |
| Illinois | 603 | -14.1 | 455 | 29,362 | +0.9 | 17.429 |
| Indiana | 275 | -11.9 | 125 | 16.051 | +0.5 | 3.208 |
| Michigan ll | 428 | $+6.7$ | 302 | 22,628 | 0 | 11,282 |
| Minnesota | 59 | -13.2 | 137 | 7,048 | +2.1 | 5,860 |
| Ohio | 455 | $-9.5$ | 341 | 27,446 | -2.8 | 13,068 |
| Wisconsinll | 103 | -16.9 | 114 | 9,022 | -0.5 | 4,280 |
| REGION VI TOTAL | 1.956 | $-3.0$ | 1.130 | 83,623 | -0.1 | 24,973 |
| Arkansas | 263 | +8.2 | 60 | 8,440 | -0.9 | 1.071 |
| Louisiana | 431 | -1.8 | 129 | 16,537 | +3.0 | 2,558 |
| New Mexico | 54 | -29.9 | 40 | 4,438 | +1.1 | 1.430 |
| Okiahomal | 147 | -16.9 | 118 | 9,594 | -2.0 | 2,609 |
| Texas Il | 1.061 | $-1.8$ | 783 | 44,614 | -0.7 | 17,305 |
| REGION VII TOTAL | 411 | -7.0 | 474 | 28,798 | +0.5 | 10,583 |
| lowall | 63 | +14.5 | 79 | 6,241 | +1.2 | 1.764 |
| Kanias | 66 | -33.3 | 135 | 6,145 | -0.9 | 2,893 |
| Mistouri | 247 | -5.7 | 206 | 13,162 | $+0.9$ | 4.086 |
| Nebraska | 35 | +34.6 | 54 | 3,250 | +0.3 | 1,840 |
| REGION VIII TOTAL | 161 | +7.3 | 225 | 17.279 | + 2.9 | 7.217 |
| Colorado | 62 | -6.1 | 138 | 6,324 | -1.6 | 4.082 |
| Montana | 21 | +31.3 | 19 | 1,988 | +2.5 | 862 |
| North Dakotal | 9 | -35.7 | 20 | 1,514 | +2.4 | 647 |
| South Dakora | 22 | +29.4 | 14 | 1,798 | +6.0 | 572 |
| Utah | 40 | +53.8 | 29 | 4,285 | +6.2 | 884 |
| Wroming | 7 | -36.4 | 5 | 1,370 | +12.3 | 170 |
| REGION IX TOTAL | 1.010 | -3.2 | 2,311 | 63,814 | -0.8 | 59,417 |
| Arizona | 100 | -26.5 | 64 | 7,114 | -3.2 | 1.904 |
| California 4 | 861 | -0.5 | 2,158 | 52.856 | -0.3 | 55,052 |
| Hawaii | 20 | +42.9 | 48 | 2.122 | -4.9 | 1,165 |
| Nevade | 29 | +3.6 | 41 | 1,722 | +0.6 | 1.296 |
| REGION $\times$ TOTAL | 213 | -0.9 | 474 | 16,727 | +1.0 | 14,601 |
| Alaska | 18 | +125.0 | 8 | 1,117 | +9.1 | 316 |
| Idaho | 32 | +10.3 | 18 | 2,706 | +1.4 | 356 |
| Oregon | 69 | +3.0 | 146 | 5,318 | -1.0 | 4,501 |
| Washington | 94 | -15.3 | 302 | 7.586 | +1.1 | 9.428 |
| UNITED STATES TOTAL | 11,455 | -4.0 | 12,964 | 559,154 | +0.1 | 324,882 |

"By state of residence.
tBy state of occurrence.
$\ddagger$ Preliminary tabulations provided by the National Center for Health Statistics.
$\$$ Data from states as reported in the 1977 Abortion Surveillance Report (2), except as nated for individual states.
II This state did not report abortions by age in 1977. The estimate was derived by assuming that the percentage of abortions that occurred to females of each age group was the same as the average for known states in the region
\&The 1976 distribution by age for California was applied to the 1977 total abortions reported by California.

Teenage Childbearing - Continued
TABLE 2. Births, fertility rates, abortions, and abortion rates for teenage females in 1977 with percent change from 1976, United States

|  | Age 14 and under | Age 15-17 | Age 18-19 |
| :---: | :---: | :---: | :---: |
| Total births, 1977* | 11,455 | 213,788 | 345,366 |
| Percent change from 1976 | -4.0 | -0.8 | +0.6 |
| Total abortions, 1977 $\dagger$ | 12,964 | 135,801 | 189,081 |
| Percent change from 1976 | -2.5 | +7.2 | +8.5 |
| Total abortions and live births, 1977 | 24,419 | 349,589 | 534,447 |
| Percent change from 1976 | -3.2 | +2.2 | +3.3 |
| Fertility rate, 1977 $\ddagger$ | 2.0 | 34.5 | 82.2 |
| Percent change from 1976 | -1.5 | -0.4 | +0.6 |
| Abortion rate, 1977 $\ddagger$ | 2.2 | 21.9 | 45.0 |
| Percent change from 1976 | 0 | +7.6 | +8.5 |
| Resultant conception rate, 1977 | 4.2 | 56.4 | 127.1 |
| (Fertility rate + abortion rate) |  |  |  |
| Percent change from 1976 | -0.7 | +2.5 | +3.2 |

*National Center for Health Statistics. Monthly vital statistics report; final natality statistics, 1977. (Vol. 27, no. 11). Hyattsville, Maryland: National Center for Health Statistics, Feb. 5, 1979. (DHEW publication no. (PHS)79-1120).
$\dagger$ Age distribution of abortions for 15 - to 19 -year-old teenagers (from: CDC. Abortion surveillance report, 1977. Atlanta: CDC, Issued September 1979) was applied to total abortions for 15 - to 19-year-old teenagers in Table 1.
$\ddagger$ Births and abortions per 1,000 females in each age group. Denominators for ages 12-14, 15-17, and 18-19 were taken from U.S. Bureau of the Census. Current population reports. Washington, DC: Department of Commerce, January 1980. (Series P-25: no. 870).
Editorial Note: In 1977, the teenage birth rate increased for the first time since 1970, in spite of the increasing availability and use of contraception by teenagers (3), increasing federal expenditures for family-planning services (4), and an increasing abortion rate. The childbearing and abortion patterns in the $\leqslant 14$-year-olds indicate that increased national efforts may have had some impact, however.

An estimated $46 \%$ of teenage births are unintended (5); when the teenage conceptions in 1977 that terminated in abortion are taken into account, an estimated $70 \%$ of such teenage conceptions in that year appear to have been unintended. Although 1.3 million teenagers have access to federally funded family-planning services (4), these teenagers represent only $31 \%$ of the estimated 4.2 million sexually-active 15 - to 19 -year-old women who might wish contraception.

More teenagers used contraceptives in 1976 than in 1971; however, the number of pregnancies in 1976 increased, presumably because there were more sexually active teenagers that year. The actual risk of pregnancy in teenagers having premarital sex (estimated to be $28 \%$ ) stayed the same (3). There was a continuing increase in the out-of-wedlock birth rate for teenagers, apparently due to a decreasing tendency to marry because of pregnancy (3).

## References

1. U.S. Bureau of the Census. Current population reports. Washington, DC: Department of Commerce, 1980. (Series P-25, 870).
2. CDC. Abortion surveillance report, 1977, Atlanta: CDC, 1979.
3. Zelnick M, Kantner JF. First pregnancies to women aged 15-19: 1976 and 1977. Fam Plann Perspect 1978;10:11.
4. Torres A. Organized family planning services in the United States, 1976-1977. Fam Plann Perspect 1979;11:342.
5. CDC: Teenage fertility in the United States: summary 1960, 1970, 1974. Atlanta: CDC, February 1978.

## Current Trends

## Survey of Measles Surveillance Activities in State and Local Health Departments

In July 1979, CDC's Consolidated Surveillance and Communications Activity (CSCA) conducted a sample survey of health jurisdictions (generally county health departments) to describe national measles surveillance and control activities. A total of 123 health agencies were surveyed, including 109 local health departments ( 34 smali, 35 medium, and 40 large), ${ }^{*} 4$ regional health districts, and 10 state health departments.

The most widely accepted criterion of a reportable case of measles is a report that is submitted by a physician, public health nurse, or school nurse and is supported by clinical or laboratory data. In $65 \%$ of the health jurisdictions, a physician report without clinical or laboratory data is acceptable evidence of a measles case. Private physicians and public health or school nurses are the most important sources of measles reports. Nearly a third of the respondents require reports even when no cases have been detected.

Estimates of the percentage of total measles cases that are actually reported to the health department vary widely. About one-fourth of the local health departments were

[^0](Continued on page 165)

TABLE I. Summary - cases of specified notifiable diseases, United States
[Cumulative tota/s include revised and delayed reports through previous weeks.]

| DISEASE | 14th WEEK ENDING |  | $\begin{gathered} \text { MEDIAN } \\ 1975-1979 \end{gathered}$ | CUMULATIVE, FIRST 14 WEEKS |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | April 5. 1980 | April 7. <br> 1979* |  | April 5. <br> 1980 | April 7. <br> 1979* | $\begin{gathered} \text { MEDIAN } \\ 1975-1979 \\ \hline \end{gathered}$ |
| Asaptic meningitis | 44 | 29 | 29 | 843 | 677 | 500 |
| Arucalloris | 1 | - | 1 | 45 | 20 | 39 |
| Chickenpox | 7,014 | 8,121 | 6.593 | 75,920 | 90,141 | 81,056 |
| Diphtheria | - | - | 3 | 1 | 2 | 25 |
| Encephalitis: Primary (arthropod-borne \& unspec.) | 8 | 4 | 15 | 157 | 122 | 170 |
| Post-infectious | 4 | 4 | 4 | 41 | 53 | 53 |
| Hepatitis, Viral: Type B | 302 | 263 | 274 | 4.256 | 3,646 | 3.953 |
| Type A | $539$ | 598 | $620$ | $7,138$ | $7,994$ | $8,962$ |
| TYpe unspecified | 273 | 203 | 155 | 3,092 | 2,780 | $2,251$ |
| Malaria | 18 | 5 | 6 | 354 | 103 | 82 |
| Maasles (rubeola) | 578 | 477 | 862 | 3.897 | 4.479 | 7,751 |
| Meningococcal infections: Tatal | 73 | 54 | 35 | 910 | 947 | 616 |
| Civilian | 73 | 54 | 35 | 905 | 941 | 612 |
| Military | - | - | - | 5 | 6 | 6 |
| Mumps | 242 | 504 | 739 | 3.868 | 5,493 | 8.531 |
| Pertussis | 12 | 18 | 18 | 268 | 375 | 310 |
| Ruballa (German measles) | 129 | 394 | 478 | 1,336 | 3.881 | 4.937 |
| Tetanus | - | 1 | 1 | 10 | $8$ | $10$ |
| Tuberculosis | 494 | 509 | 607 | 6,713 | 7.121 | 7,734 |
| Tularemia | - | 1 | 1 | 22 | 27 | 19 |
| Typhoid fever | 1 | 5 | 5 | 77 | 108 | 94 |
| TYphus fevar, tick-borne (Rky. Mt. spotted) | 2 | 2 | 2 | 9 | 18 | 14 |
| Veneral diseases: <br> Gonorrhea: Civilian |  |  |  |  |  |  |
| Gonorrhea: Civilian Military | $\begin{array}{r} 15,214 \\ 490 \end{array}$ | $\begin{array}{r} 19 \cdot 512 \\ 547 \end{array}$ | $\begin{array}{r} 18,791 \\ 547 \end{array}$ | $\begin{array}{r} 252,135 \\ 7,286 \end{array}$ | $\begin{array}{r} 256,304 \\ 7,612 \end{array}$ | $\begin{array}{r} 248,704 \\ 7,612 \end{array}$ |
| Syphilis, primary \& secondary: Civilian | 430 | 501 | 423 | 7.213 | 6.601 | 0.601 |
| Military | 4 | 4 | 4 | 102 | 85 | 85 |
| Rabies in animals | 125 | 117 | 70 | 1,355 | 962 | 648 |

TABLE II. Notifiable diseases of low frequency, United States

|  | CUM. 1980 |  | CUM. 1980 |
| :---: | :---: | :---: | :---: |
| Anthrax | - | Poliomyelitis: Total | 2 |
| Botulism $\dagger$ | 10 | Paralytic | 1 |
| Congenital ruballa syndrome | 23 | Psittacasis $\dagger$ (Mass. 1) | 19 |
| Leprosyt (N.J. 1, Tex. 1, Hawaii 1) | 40 | Rabies in man | - |
| Leptospirosist | 13 | Trichinasis | 10 |
| Praput | - | Typhus fever, flan-borne (andamic, murine) (Tax. 4) | 9 |

"Dalayed reports receivad for calendar year 1979 ara used to update last year's weekly and cumulative totals.
tOalayed reports: Botulism: Mass $\mathbf{4 2}$ (1979); Leprosy: Mass. +1 (1979); Leptospirosis: Miss. $\mathbf{+ 2}$ (1979). Oreg. +1 (1979); Plague: Oreg. +3 (1979); Psitracosis: Ark. -1 (1979). Oreg. +16 (1979)

TABLE III. Cases of specified notifiable diseases, United States, weeks ending
April 5, 1980, and April 7, 1979 (14th week)

| heporting area | ASEPIIC MENINGITIS | BRUCEL. LOSIS | $\underset{\text { POX }}{\text { CHICKEN }}$ | DIPHTHERIA |  | ENCEPHALITIS |  |  | HEPATITIS (VIRAL), BY TYPE |  |  | malaria |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Primary |  | Post-infastious 1980 | $\frac{1}{1980}$ | $\frac{A}{1980}$ | $\begin{array}{\|c\|} \hline \text { Unspecified } \\ \hline 1980 \\ \hline \end{array}$ |  |  |
|  | 1980 | 1980 | 1980 | 1980 | $\begin{aligned} & \text { cum } \\ & 1980 \end{aligned}$ | 1980 | 1979* |  |  |  |  | 180 | $\begin{aligned} & \text { CUML } \\ & 19 a 0 \end{aligned}$ |
| UNITED STATES | 44 | 1 | 7.016 | - | 1 | 8 | 4 | 4 | 302 | 539 | 273 | 18 | 354 |
| NEW ENGLAND | 2 | - | 610 | - | - | - | 1 | - | 3 | 6 | 5 | 3 | 26 |
| Maine + | 1 | - | 105 | - | - | - | - | - | - | - | - | 2 | 5 |
| N.H. $\dagger$ | - | - | 21 | - | - | - | - | - | - | 1 | - | - | 2 |
| V L | - | - | 5 | - | - | - | - | - | - | 1 | - | - | - |
| Mass. | - | - | 255 | - | - | - | 1 | - | 1 | 2 | 4 | - | 14 |
| R.I. | - | - | 47 | - | - | - | - | - | - | 2 | - | $\bar{\square}$ | 1 |
| Conn. | 1 | - | 177 | - | - | - | - | - | 4 | - | 1 | 1 | 4 |
| MID. ATLANTIC | 5 | - | 421 | - | 1 | 4 | - | - | 49 | 40 | 11 | 1 | 57 |
| Upstrate N.Y. | 3 | - | 157 | - | - | 2 | - | - | 5 | 8 | 1 | - | 7 |
| N.Y. City | - | - | 51 | - | 1 | - | - | - | 4 | 2 | 1 | - | 23 |
| N.J. | 1 | - | NN | - | - | 1 | - | - | 9 | 11 | 6 | - | 17 |
| Pa. | 1 | - | 213 | - | - | 1 | - | - | 31 | 19 | 3 | 1 | 10 |
| E.N. CENTRAL | 1 | - | 3,650 | - | - | 1 | 3 | 1 | 45 | 85 | 24 | - | 12 |
| Ohiot | - | - | 270 | - | - | - | 1 |  | 5 | 13 | 9 | - | 3 |
| Ind.t | - | - | 158 | - | - | - | 1 | - | 3 | 3 | 2 | - | - |
| III. | - | - | 1.033 | - | - | - | - | - | 14 | 43 | 3 | - | 3 |
| Mich. | 1 | - | 1.529 | - | - | 1 | 1 | - | 19 | 20 | 9 | - | 3 |
| Wis. |  | - | 660 | - | - | - | - | 1 | 4 | 6 | 1 | - | 3 |
| W.N. CENTRAL | 4 | - | 718 | - | - | - | - | - | 6 | 25 | 5 | 3 | 12 |
| Minn. 1 | - | - | 1 | - | - | - | - | - | 1 | 13 | - | - | 5 |
| lowa | 1 | - | 254 | - | - | - | - | - | - | 1 | 1 | - | 2 |
| Mo. | 1 | - | 89 | - | - | - | - | - | 2 | 4 | 2 | 2 | 2 |
| N. Dak. | - | - | 4 | - | - | - | - | - | - | - | - | - | - |
| S. Dak. | 2 | - | 2 | - | - | - | - | - | - | - | - | $\bar{\square}$ | - |
| Nebr. | - | - | 2 | - | - | - | - | - | - | - | - | 1 | 1 |
| Kans. | - | - | 366 | - | - | - | - | - | 3 | 7 | 2 |  | 2 |
| S. ATLANTIC | 15 | - | 529 | - | - | - | - | 1 | 84 | 86 | 35 | 2 | 35 |
| Del. |  | - | 7 | - | - | - | - | - | - | - | - | - | - |
| Md. | 3 | - | 24 | - | - | - | - | - | 6 | 8 | 5 | - | 5 |
| D.C. | - | - | 3 | - | - | - | - | - | 1 | 2 | - | - | 12 |
| Va.t | - | - | 20 | - | - | - | - | - | 15 | 4 | 4 | - | 12 |
| W. Va | - | - | 82 | - | - | - | - | - | - | 4 | - | - | 2 |
| N.C. | 1 | - | NN | - | - | - | - | - | 4 | 4 | 4 | 1 | 4 |
| SC. | 1 | - | 33 | - | - | - | - | - | 25 | 1 | 3 | - | 2 |
| Ga. | $\underline{-}$ | - | 5 | - | - | - | - | - | 13 | 5 | - | 1 | 3 |
| Fla | 10 | - | 355 | - | - | - | - | 1 | 20 | 58 | 19 | - | 6 |
| E.S. CENTRAL | 2 | - | 163 | - | - | 1 | - | - | 17 | 27 | 8 | - | 4 |
| $\mathrm{Ky} \text {. }$ | 2 | - | 119 | - | - | - | - | - | 1 | 3 | - | - | 2 |
| Tenn. | - | - | NN | - | - | $\bar{\square}$ | - | - | 8 | 12 | 1 | - | - |
| Ala | - | - | 22 | - | - | 1 | - | - | 4 | 5 | 7 | - | 2 |
| Miss. | - | - | 22 | - | - | - | - | - | 4 | 7 | - | - | - |
| W.S. CENTRAL | 3 | 1 | 437 | - | - | - | - | - | 25 | 88 | 90 | 1 | 32 |
| Ark. | 1 | $-$ | 8 | - | - | - | - | - | 1 | 8 | 2 | 1 | 2 |
| Lo. | - | - | NN | - | - | - | - | - | - | - | - | - | 14 |
| Okla. | - | - | N | - | - | - | - | - | 3 | 9 | 11 | - | 7 |
| Tex. | 2 | 1 | 429 | - | - | - | - | - | 21 | 71 | 77 | - | 9 |
| MOUNTAIN | 2 | - | 67 | - | - | - | - | - | 8 | 58 | 46 | 2 | 18 |
| Mont. ${ }^{\text {a }}$ | - | - | 8 | - | - | - | - | - | - | 2 | - | - | - |
| Idaho | - | - | - | - | - | - | - | - | - | 2 | - | - | - |
| Wyo.t | - | - | - | - | - | - | - | - | - | - | $\overline{-}$ | - | I |
| Colo. $\dagger$ | 1 | - | 55 | - | - | - | - | - | 3 | 12 | 3 | - | 8 |
| N. Mex. | - | - | 2 | - | - | - | - | - | - | - | - | - | 1 |
| Ariz. | - | - | NN | - | - | - | - | - | 3 | 25 | 31 | 2 | 7 |
| Utah | - | - | 1 | - | - | - | - | - | - | 8 | 6 | - | - |
| Nev. | 1 | - | 1 | - | - | - | - | - | 2 | 9 | 6 | - | 1 |
|  | 10 | - | 419 | - | - | 2 | - |  |  | 124 | 49 | 6 | 158 |
| Wash. | 1 | - | 396 | - | - | - | - | 2 | 7 | 19 | 4 | 1 | 13 |
| Oreg. | - | - | 5 | - | - | 1 | - | - | 2 | 30 | 2 | - | 11 |
| Calif.t | 8 | - | - | - | - | 1 | - | - | 52 | 74 | 43 | 4 | 132 |
| Alaska | - | - | 7 | - | - | - | - | - | - | - | - | - | 1 |
| Hawaii | 1 | - | 11 | - | - | - | - | - | 2 | 1 | - | 1 | 1 |
| Guam ${ }^{\dagger}$ | NA | NA | NA | NA | - | NA | - | - | NA | NA | NA | NA | $\overline{-}$ |
| P.R. $\dagger$ | 3 | - | 26 | - | - | - | - | - | 2 | 4 | 1 | 1 | 1 |
| V.I. | NA | Na | NA | NA | - | Na | - | - | na | NA | Na | NA |  |
| Pac. Trust Terr. | NA | NA | NA | NA | - | Na | - | - | NA | NA | NA | NA | - |

NN: Not notifiable
"Delayed reports received for 1979 are not shown below but are used to update last year's weekly and cumulative totals.
tThe following delayed reports will be reflected in next week's cumulative totals: Asep. meng.: Ind. +1 ; Chickenpox: Maine +8 , N.H. $+33,0 h i o-1$, Calif. +74 ,
Guam +4, P. F. +27; Hep.B: N.H. +1, Minn. -1, Colo. +1; Hep.A: N.H. +1, Mont. +1, Colo. +1, Guam +3; Hep. unsp.: Ohio -1, Va- 1, Mont. -1, Colo. +1.
Guam +3; Malaris: Ind. +1, Wyo. +1.

TABLE I!I (Cont.'d). Cases of specified notifiable diseases, United States, weeks ending April 5, 1980, and April 7, 1979 (14th week)

| REPORTING AREA | MEASIES (RUBEOLA) |  |  | MENINGOCOCCAL INFECTIONS TOTAL |  |  | MUMPS |  | PERTUSSIS | RUBELLA |  | TETANUS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1980 | $\begin{aligned} & \text { CUM. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { CUM. } \\ & \text { 1979* } \end{aligned}$ | 1980 | $\begin{aligned} & \text { cUM. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { CUM. } \\ & \text { 1979 } \end{aligned}$ | 1980 | $\begin{aligned} & \text { cum. } \\ & 1980 \end{aligned}$ | 1980 | 1980 | $\begin{aligned} & \text { CUM. } \\ & \text { 1980 } \end{aligned}$ | CUM. <br> 1980 |
| UNITED STATES | 578 | 3,897 | 4,479 | 73 | 910 | 947 | 242 | 3,868 | 12 | 129 | 1.336 | 10 |
| NEW ENGLAND | 49 | 320 | 126 | 4 | 52 | 29 | 6 | 353 | - | 2 | 77 | - |
| Maine $\dagger$ | 15 | 19 | 4 | - | 2 | 1 | - | 149 | - | 2 | 31 | - |
| N.H.t | 14 | 154 | 5 | - | 4 | 4 | 1 | 9 | - | - | 18 | - |
| $\mathrm{V}_{\mathrm{L}}$ | 16 | 131 | 17 | - | 5 | 2 | - | - | - | - | - | - |
| Mass. | 3 | 11 | - | - | 19 | 10 | 3 | 104 | - | - | 17 | - |
| R.I. | - | 2 | 100 | 2 | 5 | - | 1 | 12 | - | - | 2 | - |
| Conn. | 1 | 3 | - | 2 | 17 | 12 | 1 | 79 | - | - | 9 | - |
| MID. ATLANTIC | 134 | 923 | 330 | 17 | 151 | 130 | 15 | 475 | - | 24 | 117 | 2 |
| Upstate N.Y. | 39 | 243 | 162 | 4 | 55 | 46 | 3 | 40 | - | 13 | 64 | 1 |
| N.Y. City | 60 | 287 | 134 | 4 | 47 | 33 | 2 | 26 | - | 2 | 26 | - |
| N.J. | 20 | 171 | 24 | 2 | 27 | 35 | 5 | 58 | - | 9 | 23 | - |
| Pa . | 15 | 222 | 10 | 7 | 22 | 16 | 5 | 351 | - | - | 4 | 1 |
| E.N. CENTAAL | 141 | 558 | 997 | 10 | 98 | 91 | 174 | 1,488 | - | 28 | 331 | - |
| Ohiot | 1 | 53 | 4 | - | 31 | 32 | 22 | 597 | - | - | 2 | - |
| Ind. $\dagger$ | 10 | 31 | 78 | - | 14 | 22 | 4 | 49 | - | 2 | 122 | - |
| 111. | 34 | 129 | 361 | 3 | 17 | 3 | 18 | 181 | - | 9 | 68 | - |
| Mich. | 36 | 152 | 356 | 6 | 28 | 25 | 111 | 499 | _ | 12 | 89 | - |
| Wis.t | 60 | 193 | 198 | 1 | 8 | 9 | 19 | 162 | - | 5 | 50 | - |
| W.N. CENTRAL | 58 | 484 | 4.8 | 3 | 37 | 36 | 8 | 129 | 1 | 14 | 123 | 2 |
| Minn. | 47 | 329 | 201 | - | 11 | 6 | 1 | 5 | - | 10 | 18 | 1 |
| lowa | - | - | 3 | 2 | 5 | 4 | 2 | 17 | - | - | 3 | - |
| Mo. | 11 | 58 | 228 | - | 12 | 20 | 2 | 51 | - | 4 | 29 | - |
| N. Dak | - | - | 6 | - | 1 | 1 | - | 3 | 1 | - | 3 | - |
| S. Dak. | - | - | 1 | - | 3 | 2 | - | 1 | - | - | - | - |
| Nebr.t | - | 45 | - | - | - | - | - | 8 | - | - | - | - |
| Kans. | - | 52 | 9 | 1 | 5 | 3 | 3 | 44 | - | - | 70 | 1 |
| S. ATLANTIC | 103 | 850 | 676 | 26 | 235 | 248 | 15 | 393 | 4 | 8 | 130 | 2 |
| Del. | - | 1 | - | - | 2 | 2 | - | 30 | - | - | - | - |
| Md. | 2 | 21 | 5 | 5 | 23 | 16 | 7 | 131 | - | - | - | - |
| D.C. | - | - | - | - | - | - | - | 2 | - | - | - | - |
| Va. $\dagger$ | 7 | 158 | 66 | - | 17 | 37 | 2 | 36 | - | 2 | 9 | 1 |
| W. Va.t | 1 | 9 | 34 | - | 6 | 3 | - | 46 | - | 1 | 9 | - |
| N.C. | - | 37 | 75 | 4 | 44 | 36 | 2 | 61 | - | 3 | 34 | - |
| s.c. | 15 | 106 | 78 | 5 | 31 | 33 | 1 | 14 | - | 2 | 44 | 1 |
| Ga. | 49 | 344 | 63 | 5 | 52 | 37 | - | - | 3 | - | - | - |
| Fla. | 29 | 174 | 355 | 7 | 60 | 84 | 3 | 73 | 1 | - | 34 | - |
| E.S. CENTRAL | - | 106 | 57 | 6 | 88 | 75 | 7 | 567 | 2 | 5 | 53 | - |
| Ky. | - | 31 | 14 | - | 24 | 13 | 4 | 522 | - | 2 | 24 | - |
| Tenn. | - | 9 | 8 | 2 | 21 | 24 | - | 17 | - | 2 | 26 | - |
| Ala. | - | 15 | 28 | 3 | 26 | 18 | - | 8 | 1 | 1 | 3 | - |
| Miss. | - | 51 | 7 | 1 | 17 | 20 | 3 | 20 | 1 | - | - | - |
| W.S. CENTRAL | 44 | 289 | 533 | 5 | 94 | 162 | 6 | 115 | - | 6 | 43 | - |
| Ark. | - | 1 | 6 | 1 | 5 | 13 | - | 13 | - | - | 1 | - |
| La. | - | 9 | 143 | - | 26 | 74 | - | 22 | - | - | 3 | - |
| Okla. | 35 | 194 | 3 | - | 9 | 16 | - | , | - | - | 1 | - |
| Tex. | 9 | 85 | 381 | 4 | 54 | 59 | 6 | 80 | - | 6 | 38 | - |
| MOUNTAIN | 16 | 81 | 86 | - | 20 | 40 | 2 | 102 | 3 | 1 | 38 | - |
| Mont. | - | , | 25 | - | 1 | 2 | 1 | 33 |  | - | 1 | - |
| Idaho | - | - | 3 | - | 3 | 3 | - | 10 | - | - | 7 | - |
| Wyo. | - | - | - | - | 1 | - | - | - | - | - | - | - |
| Colo. $\dagger$ | 1 | 4 | 9 | - | 8 | 1 | 1 | 20 | 3 | - | 1 | - |
| N. Mex. $\dagger$ | - | 1 | 13 | - | 5 | 2 | - | - | - | - | 3 | - |
| Ariz. | 12 | 41 | 20 | - | 4 | 25 | - | 13 | - | - | 9 | - |
| Utah | 3 | 32 | 13 | - | 1 | 3 | - | 22 | - | 1 | 14 | - |
| Nev. | - | 2 | 3 | - | 5 | 4 | - | 4 | - | - | 3 | - |
| PACIFIC | 33 | 286 | 1,226 | 2 | 127 | 136 | 9 | 246 | 2 | 41 | 424 | 4 |
| Wash. | 8 | 107 | 671 | - | 18 | 20 | 6 | 19 | - | 7 | 29 | - |
| Oreg. | - | - | 16 | 1 | 27 | 10 | - | 38 | - | - | 28 | - |
| Calif. | 25 | 173 | 479 | 1 | 80 | 100 | 3 | $1<3$ | 2 | 34 | 366 | 4 |
| Alaska | 2 | 3 | 14 | - | 2 | 2 |  | 4 | 2 | 34 | 1 | 4 |
| Hawaii | - | 3 | 46 | - | - | 4 | - | 2 | - | - | , | - |
| Guam | NA | 1 | 1 | - | - | - | NA | 3 | NA | NA | - | - |
| P.R. | 9 | 37 | 132 | - | 5 | - | 6 | 41 | - | 2 | 5 | 3 |
| V.1. | Na | 4 | 2 | - | 1 | 2 | NA | 1 | NA | NA | - | - |
| Pac. Trust Terr. | NA | 3 | 5 | - | - | 1 | NA | 1 | NA | NA | 1 | - |

NA: Not available.
*Delayed reports received for 1979 are not shown below but are used to update last year's weekly and cumulative totals.
$\dagger$ The following delayed reports will be reflected in next week's 1 mulative totals: Measles: N.H. +4, Ind. -1 . Wis. -3 , Nebr. +5, Va. -1, W.Va. -1 , Colo. -1 ;
Men. inf.: Ohio -1, Ind. +1, N.Mex. +1; Mumps: Maine +1, N.:1. +1; Rubella: N.H $\mathbf{- 1 , ~ N . ~ M e x . ~ + 1 . ~}$

TABLE III (Cont.'d). Cases of specified notifiable diseases, United States, weeks ending
April 5, 1980, and April 7, 1979 (14th week)

| AEPORTING AREA | tuberculosis |  | $\begin{array}{\|c\|} \hline \text { TULA. } \\ \text { REMIA } \end{array}$ | TYPHOID FEVER |  | TYPHUS FEVER (Tick-borne) (RMSF) |  | VENEREAL DISEASES (Civilian) |  |  |  |  |  | RABIES <br> (in <br> Animals) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | gonarmhea |  |  | SYPHILIS (Pri. \& Sac.) |  |
|  | 1980 | $-\quad \begin{gathered} \text { cUM. } \\ \hline \end{gathered}$ |  | 1980 | $\begin{aligned} & \text { CUM. } \\ & 1980 \end{aligned}$ |  |  | 1900 | $\underset{\text { inco }}{\text { CUM }}$ | 1980 | $\begin{aligned} & \text { CUM. } \\ & 1980 \end{aligned}$ | $\begin{aligned} & \text { CuM. } \\ & 1979{ }^{2} \end{aligned}$ | 1980 |  | $\begin{aligned} & \text { CUM. } \\ & 1980 \\ & \hline \end{aligned}$ | CUM. |
| UNITED STATES | 494 | 6,713 |  | 22 | 1 | 77 | 2 | 18 | 15.214 | 252.135 | 256. 304 | 430 | 7.213 | 6.601 | 1.355 |
| NEW ENGLAND | 11 | 199 | - | - | 5 | 1 | 1 | 418 | 6,591 | 0,790 | 1 | 212 | 117 | 12 |
| Maine | - | 13 | - | - | - | - | - | 18 | 409 | 447 | - | 1 | 1 | 11 |
| N.H. | - | 3 | - | - | - | - | - | 13 | 238 | 220 | - | - | 6 | - |
| $V_{\text {L }}$ | - | 7 | - | - | - | - | - | 10 | 183 | 119 | - | 1 | - | - |
| Mass. | 8 | 96 | - | - | 3 | 1 | 1 | 153 | 2,649 | 2.691 | - | 138 | 77 | 1 |
| R.I. | - | 25 | - | - | 1 | - | - | 28 | 390 | 556 | 1 | 8 | 3 | - |
| Conn. | 3 | 55 | - | - | 1 | - | - | 196 | 2,722 | 2,757 | - | 64 | 30 | - |
| MID. ATLANTIC | 76 | 1.225 | 1 | - | 19 | - | 1 | 1,297 | 27,131 | 27.324 | 42 | 969 | 1,037 | 2 |
| Upstate N.Y. | 21 | 242 | - | - | 4 | - | - | 332 | 4,819 | 4,035 | 5 | 79 | 80 | - |
| N. Y. City | 26 | 428 | 1 | - | 8 | - | - | 500 | 10,937 | 10.417 | 21 | 624 | 701 | - |
| N.J. | 18 | 270 | - | - | 3 | = | - | 40 | 4.484 | 5,582 | 8 | 126 | 136 | 2 |
| Pa. | 14 | 285 | - | - | 4 | - | 1 | 425 | 6,891 | 7,290 | 8 | 140 | 120 | - |
| E.N. CENTRAL | 72 | 918 | 1 | - | 7 | - | - | 2.696 | 40.872 | 39,754 | 74 | 796 | 889 | 178 |
| Ohiot | 7 | 150 | - | - | 1 | - | - | 591 | 10.573 | 11,109 | 12 | 109 | 179 | 7 |
| Ind. | 5 | 107 | - | - | - | - | - | 210 | 4.029 | 3.254 | 4 | 66 | 48 | 19 |
| III. | 20 | 349 | - | - | 3 | - | - | 1.071 | 13,220 | 12,660 | 38 | 370 | 528 | 110 |
| Mich. ${ }^{\text {t }}$ | 36 | 251 | 1 | - | 3 | - | - | 633 | 8.893 | 9.159 | 19 | 219 | 103 | - |
| Wis. | 4 | 61 | - | - | - | - | - | 191 | 4,157 | 3,572 | 1 | 32 | 31 | 42 |
| W.N. CENTRAL | 25 | 223 | 8 | - | 1 | - | 2 | 631 | 11.179 | 12,278 | 5 | 75 | 88 | 357 |
| Minn. | 4 | 35 | 1 | - | - | - | - | 210 | 1,988 | 2,131 | 4 | 29 | 29 | 40 |
| lowe | 5 | 19 | 4 | - | - | - | - | 79 | 1.209 | 1.637 | - | 3 | 10 | 81 |
| Mo. | 10 | 105 | 2 | - | - | - | 2 | 210 | 4.697 | 5.089 | 1 | 40 | 33 | 98 |
| N. Dak. | - | 7 | - | - | - | - | - | 1 | 149 | 211 | - | - | - | 35 |
| S. Dak.t | 6 | 14 | - | - | 1 | - | - | 18 | 348 | 411 | - | - | $\stackrel{-}{\square}$ | 66 |
| Nebr.t | - | 12 | 1 | - | - | - | - | 29 | 921 | 841 | - | 2 | 1 | 10 |
| Kans. | - | 31 | - | - | - | - | - | 84 | 1.867 | 1.958 | - | 1 | 15 | 27 |
| S. ATLANTIC | 100 | 1,525 | 7 | 1 | 17 | - | 2 | 4.518 | 61.749 | 01.201 | 128 | 1.717 | 1,634 | 102 |
| Dal. | 1 | 22 | - | - | 1 | - | - | 24 | 862 | 990 | - | 5 | 10 | - |
| Md. | 12 | 182 | 1 | - | 2 | - | - | 474 | 6.414 | 7.471 | 19 | 131 | 114 | - |
| D. C. | 1 | 79 | - | - | 3 | - | - | 346 | 4,600 | 3.421 | 14 | 125 | 120 | - |
| Va . | 7 | 175 | - | - | 3 | - | - | 357 | 5,128 | 5,793 | 15 | 149 | 165 | - |
| W. Va. | - | 61 | - | - | 2 | - | - | 70 | 798 | 903 | - | 4 | 22 | 2 |
| N.C. | 24 | 278 | 2 | - | 1 | - | 2 | 516 | 9,567 | 9,348 | 6 | 129 | 147 | $\rightarrow$ |
| S.c.t | 4 | 123 | - | - | 1 | - | - | 340 | 5,786 | 5.215 | 1 | 83 | 86 | 17 |
| Ga. | 13 | 196 | 4 | - | - | - | - | 877 | 11,106 | 12,684 | 39 | 499 | 434 | 58 |
| Fla. | 38 | 409 | - | 1 | 4 | - | - | 1.514 | 17,488 | 15,976 | 34 | 592 | 536 | 25 |
| E.S. CENTRAL | 53 | 617 | 1 | - | 2 | 1 | 1 | 888 | 19,965 | 22,043 | 20 | 562 | 454 | 79 |
| Ky. | 12 | 130 | - | - | 1 | - | - | 124 | 2.945 | 2,925 | - | 33 | 46 | 38 |
| Tenn.t | 9 | 188 | 1 | - | $\underline{-}$ | 1 | 1 | 387 | 7.188 | 7,863 | 10 | 226 | 184 | 37 |
| Ala | 24 | 188 | - | - | 1 | - | - | 117 | 5.557 | 6,447 | 6 | 113 | 94 | 4 |
| Miss. | 8 | 111 | - | - | - | - | - | 260 | 4.275 | 4.808 | 4 | 190 | 130 | - |
| W.S. CENTRAL | 74 | 630 | - | - | 2 | - | 2 | 2.371 | 32,919 | 33,802 | 99 | 1.350 | 1,123 |  |
| Ark. ${ }^{\text {t }}$ | 13 | 55 | - | - | $-$ | - | - | 144 | 2.434 | 2,611 | 4 | 51 | 37 | 58 |
| La. | 16 | 139 | - | - | - | - | - | 660 | 5,525 | 5,938 | 16 | 311 | 239 | 4 |
| Okla. | 5 | 63 | - | - | - | - | 1 | 133 | 3. 201 | 3.037 | - | 18 | 21 | 70 |
| Tex. | 40 | 373 | - | - | 2 | - | 1 | 1.434 | 21.759 | 22.216 | 79 | 970 | 826 | 302 |
| MOUNTAIN | 9 | 187 | 2 | - | 5 | - | - | 747 | 9.723 | 9.823 | 8 | 177 | 94 | 34 |
| Mant. | - | 9 | 2 | - | 1 | - | - | 43 | 369 | 551 | - | - | 6 | 3 |
| Idaho | 2 | 9 | 1 | - | - | - | - | 14 | 472 | 430 | - | 12 | 1 | - |
| Wyo.t | - | 13 | - | - | - | - | - | 11 | 272 | 262 | - | 7 | 3 | - |
| Colo. | - | 20 | - | - | 1 | - | - | 202 | 2,482 | 2,666 | 5 | 46 | 32 | - |
| N. Max. $\dagger$ | 1 | 34 | - | - | 1 | - | - | 118 | 1,298 | 1,287 | 1 | 26 | 13 | 7 |
| Ariz.t | 6 | 86 | 1 | - | 1 | - | - | 210 | 2,679 | 2,643 | - | 62 | 19 | 24 |
| Utah | - | 5 | - | - | 1 | - | - | 35 | 478 | 479 | - | 5 | 2 | - |
| Nev. | - | 11 | - | - | - | - | - | 114 | 1,673 | 1,505 | 2 | 19 | 12 | - |
| PACIfIC | 74 | 1.189 | 2 | - | 19 | - | - | 1.648 | 42.006 | 43.289 | 53 | 1.355 | 1.165 | 157 |
| Wash. | 9 | $99$ | - | - | - | - | - | 203 | 3.252 | 3.835 | - | 92 | 70 |  |
| Oreg. | 2 | $55$ | - | - | - | - | - | $177$ | 3,080 | 2,851 | 35 | 32 | 59 | - |
| Calit. | 63 | 1.014 | 2 | - | 19 | - | - | 1,156 | 34,133 | 34,551 | 35 | 1.181 | 1,007 | 120 |
| Alaskat | - | 1 | - | _ | - | - | - | 178 | 1,001 | 1.370 |  | 1.12 | 15 | 37 |
| Hawaii | , - | 14 | - | - | - | - | - | 34 | 540 | 682 | 15 | 48 | 24 | - |
| Guam 1 | NA | 4 | - | NA | - | NA | - | NA | 16 | 27 | NA | - | - | - |
| P.R. | 2 | 32 | - | - | - | - | - | 51 | 710 | 520 | 11 | 156 | 145 | 15 |
| V.I. | NA | - | - | NA | - | NA | - | NA | 40 | 45 | NA | 7 | - | - |
| Pac. Trust Terr. | NA | 7 | - | NA | - | NA | - | NA | 94 | 122 | NA | - | - | - |

NA: Not available.
"Delayed reports received for 1979 are not shown below but are used to update last year's weekly and cumulative totals.
tThe following delayed reports will be reflected in next week's cumulative totals: TB: Mich, -1, S.C. -1 , Guam +4; RMSF: Ark. +1; GC: Wyo. +3 mil., Guam +9 civ. +9 mil.; An. rabies: Ohia +1, S.Dak. +34, Nebr. +2 , Tenn. +1 , N.Mex. +3, Ariz. +1, Alaska +2 .

TABLE IV. Deaths in 121 U.S. cities,* week ending April 5, 1980 (14th week)

| heporting anea | ALL CAUSES, GY AGE (YEARS) |  |  |  |  | $\begin{aligned} & \text { P\& } l^{* *} \\ & \text { TOTAL } \end{aligned}$ | HEPOATING AREA | ALL CAUSES, BY AGE (YEARS) |  |  |  |  | $\begin{aligned} & \text { P\& I** } \\ & \text { TOTAL } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { ALL } \\ \text { AGES } \end{gathered}$ | > 55 | 45.64 | 25-44 | $<1$ |  |  | $\begin{gathered} \text { ALL } \\ \text { AGES } \end{gathered}$ | $>65$ | 45-64 | 25.44 | $<1$ |  |
| NEW ENGLAND | 583 | 393 | 123 | 13 | 18 | 49 | S ATE TNTIC | 1,449 | 881 | 364 | 95 | 74 | 75 |
| Boston, Mass. | 151 | 90 | 37 | 12 | 6 | 15 | Atlanta, Ga. | 162 | 94 | 39 | 23 | 5 | 5 |
| Bridgaport, Conn. | 43 | 27 | 12 | 3 | 1 | 3 | Baltimore, Md. | 324 | 204 | 73 | 20 | 15 | 8 |
| Cambridga, Mass. | 21 | 16 | 5 | - | - | 1 | Charlotts, N.C. | 80 | 35 | 30 | 9 | 4 | 5 |
| Fall River, Mass. | 26 | 20 | 4 | 1 | - | 1 | Jacksonville, Fla | 88 | 53 | 23 | 5 | 6 | 3 |
| Hartford, Conn. | 43 | 31 | 9 | 1 | 2 | - | Miami, Fla. | 125 | 69 | 37 | 10 | 7 | 3 |
| Lowall, Mass. | 22 | 15 | 4 | 2 | - | 1 | Norfolk, Va. | 59 | 33 | 17 | 3 | 3 | 4 |
| Lynn, Mass. | 21 | 17 | 3 | - | - | - | Richmond, Va. | 100 | 65 | 28 | 3 | 2 | 12 |
| New Bedford, Mass. | 16 | 13 | 3 | - | - | 1 | Spvannah, Ge | 55 | 32 | 16 | 2 | 3 | 14 |
| New Haven, Conn. | 42 | 21 | 14 | 3 | 2 | 1 | St. Patershurg, Fla. | 112 | 95 | 10 | 2 | 5 | 5 |
| Providence, R.I. | 17 | 54 | 14 | 5 | 2 | 4 | Tampa, Fla. | 73 | 50 | 15 | 2 | - | 4 |
| Somerville, Mass. | 13 | 10 | 2 | - | - | 1 | Washington, D.C. | 218 | 119 | 59 | 13 | 24 | 4 |
| Springfield, Mass. | 37 | 27 | 4 | 4 | 2 | 2 | Wilmington, Dal. | 53 | 32 | 17 | 3 | - | 8 |
| Waterbury, Conn. | 26 | 20 | 5 | 1 | - | 6 |  |  |  |  |  |  |  |
| Worcester, Mass. | 45 | 32 | 7 | 1 | 3 | 9 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | E,S. CENTRAL <br> Birmingham, Ala | $\begin{aligned} & 727 \\ & 126 \end{aligned}$ | 484 | 165 32 | $36$ | 15 | 48 |
| MID. ATLANTIC | 2.201 | 1,392 | 533 | 160 | 60 | 89 | Chattanooga, Tenn. | + 6 | 39 | 13 | 4 | 2 | 3 |
| Albany. N.Y. | 60 | 48 | 10 | 2 | - | 1 | Knaxville, Tenn. | 46 | 35 | 9 | - | - | 5 |
| Alentown, Pa. | 28 | 18 | 8 | 2 | $\bar{\square}$ | - | Louisvilla, Ky. | 107 | 67 | 25 | 5 | 3 | 13 |
| Buffalo, N. Y. | 88 | 50 | 29 | 1 | 5 | 4 | Memphis, Tenn. | 154 | 106 | 33 | 9 | 3 | 8 |
| Camden, N.J. | 24 | 12 | 7 | 4 | - | 1 | Mobile, Ala | 64 | 41 | 13 | 6 | - | 2 |
| Elizabath, N.J. | 17 | 13 | 4 | - | - | 1 | Montgomary. Ala. | 46 | 34 | 10 | 1 | 1 | 6 |
| Erie, Pa.t | 30 | 21 | 8 | 1 | - | - | Nashville, Tenn. | 121 | 80 | 30 | 7 | 1 | 9 |
| Jersey City, N.J. | 43 | 24 | 12 | 2 | 1 | - |  |  |  |  |  |  |  |
| Nawark. N.J. | 46 | 24 | 12 | 6 | 1 | 6 |  |  |  |  |  |  |  |
| N.Y. City, N.Y, | 1,167 | 747 | 258 | 99 | 32 | 38 | W.S. CENTRAL | 1. 353 | 744 | 405 | 99 | 40 | 57 |
| Patarson, N.J. | 21 | 15 | 51 | 1 | 5 | 1 | Austin, Tax. | 43 | 28 | 10 | 5 | - | 2 |
| Philadalphia, Pa. $\dagger$ | 206 | 116 | 51 | 26 | 5 | 8 | Baton Rouge, La | 42 | 24 | 15 | 1 | 1 | - |
| Pitshurgh, Pa.t | 94 | 61 | 29 | 2 | 1 | 5 | Corpus Christi, Tex. | 38 | 25 | 11 | 1 | 1 | 2 |
| Reading, Pa. | 36 | 26 | 9 | 1 | - | - 1 | Dallas, Tax. | 184 | 104 | 54 | 11 | 10 | 5 |
| Rochester, N.Y. | 120 | 72 | 37 | 5 | 3 | H | El Paso, Tex. | 51 | 33 | 12 | 2 | 3 | 2 |
| Schenectady, N.Y. | 25 | 20 | 5 | - | - | - | Fort Worth, Tax. | 100 | 63 | 26 | 8 | 1 | 12 |
| Scranton, Pa. $\dagger$ | 33 | 20 | 12 | - | 1 | 2 | Houston, Tax. | 504 | 235 | 170 | 46 | 14 | 13 |
| Syracuse, N.Y. | 70 | 45 | 15 | 6 | 3 | 2 | Little Rock, Ark. | 47 | 29 | 14 | 3 | - | 6 |
| Trenton, N.J. | 41 | 22 | 14 | 1 | 4 | 2 | New Orleans, La. | 47 | 30 | 15 | 1 | $\bar{\square}$ | - |
| Utica, N.Y. | 27 | 22 | 4 | - | - | 6 | San Antonio, Tex. | 171 | 93 | 48 | 13 | 5 | 6 |
| Yonkers, N. Y. | 25 | 16 | 8 | 1 | - | 3 | Shreveport, La. <br> Tulsa, Okla | $\begin{aligned} & 45 \\ & 81 \end{aligned}$ | 26 54 | $\begin{aligned} & 13 \\ & 17 \end{aligned}$ | $\begin{aligned} & 3 \\ & 5 \end{aligned}$ | 2 3 | 3 6 |
| E.N. CENTRAL | 2,167 | 1,348 |  |  |  | 62 |  |  |  |  |  |  |  |
| Akron, Ohio | 83 | 57 | 18 | 2 | 1 | - | MOUNTAIN | 563 | 341 | 134 | 38 | 29 | 20 |
| Canton, Ohio | 42 | 31 | 9 | 1 | 1 | - | Albuquerque, N. Max. | 68 | 37 | 17 | 6 | 3 | 5 |
| Chicago, III. | 587 | 339 | 155 | 36 | 29 | 13 | Calo. Sprines, Colo. | 26 | 17 | 4 | 3 | 2 | 3 |
| Cincinnati, Ohio | 138 | 89 | 38 | 3 | 3 | 7 | Denver, Colo. | 142 | 90 | 34 | 11 | 4 | 2 |
| Claveland, Onio | 145 | 80 | 50 | 7 | 3 | 4 | Las Vegrs. Nev. | 43 | 22 | 10 | 6 | 2 | 2 |
| Columbus, Ohio | 93 | 56 | 23 | 5 | 5 | 6 | Opdan, Utah | 18 | 10 | 6 | 1 | - | 3 |
| Dayton, Ohic | 87 | 60 | 19 | 2 | 3 | 2 | Phoenix, Ariz. | 124 | 73 | 35 | 6 | 7 | 2 |
| Datroit, Mich. | 282 | 175 | 66 | 19 | 18 | 8 | Pueblo, Collo. | 10 | 6 | 4 | - | - | 1 |
| Evanswille, Ind. | 42 | 36 | 5 | 1 | - | 4 | Salt Lake City, Utah | 45 | 24 | 7 | 2 | 9 | 2 |
| Fort Wayne, Ind. | 34 | 22 | 8 | 1 | 2 | 1 | Tuesan, Ariz. | 87 | 62 | 17 | 3 | 2 | - |
| Gary, Ind. | 24 | 12 | 7 | 1 | 3 | 1 |  |  |  |  |  |  |  |
| Grand Rapids, Mich. | 70 | 46 | 19 | 1 | 3 | 4 |  |  |  |  |  |  |  |
| Indianapolis, Ind. | 146 | 89 | 41 | 10 | 3 | 5 | PACIFIC | 1,876 | 1.256 | 391 | 105 | 69 | 58 |
| Madison, Wis. | 27 | 19 | 3 | - | 1 | 1 | Barkalay, Calif. | 28 | 19 | 6 | 3 | - | - |
| Milwaukee, Wis. | 103 | 61 | 30 | 5 | 4 | 3 | Fresno, Calif. | 74 | 55 | 12 | 6 | 1 | 5 |
| Peoria, III. | 47 | 34 | 8 | 2 | 3 | 2 | Glendale, Calif. | 25 | 23 | 2 | - | - | $\overline{7}$ |
| Rockiord, III. | 33 | 19 | 6 | 4 | 3 | - | Honclulu, Hawaii | 53 | 36 | 13 | 3 | 1 | 7 |
| South Bend, Ind. | 30 | 21 | 5 | 2 | $\stackrel{-}{7}$ | - | Long Beach, Calif. | 90 | 63 | 19 | 3 | 4 | 1 |
| Toledo, Ohio | 95 | 62 | 23 | 6 | 2 | 1 | Los Angalex, Calif. | 601 | 374 | 144 | 42 | 22 | 15 |
| Youngr town, Ohio | 59 | 40 | 13 | 2 | 3 | - | Oakland. Calif. | 80 | 49 | 16 | 8 | 6 | 3 |
|  |  |  |  |  |  |  | Pasadana, Calif. | 18 | 16 | 2 | - | - | 1 |
|  |  |  |  |  |  |  | Portand, Oreg. | 129 | 92 | 18 | 5 | 10 | 2 |
| W.N. CENTRAL | 756 | 487 | 170 | 39 | 37 | 28 | Sacramento, Calif. | 54 | 38 | 11 | 5 | - | 3 |
| Das Moines, Iowa | 71 | 49 | 12 | 4 | 3 | 5 | San Diego, Calif. | 136 | 89 | 25 | 9 | 3 | - |
| Duluth, Minn. | 27 | 20 | 4 | - | 3 | 4 | San Francisco, Calif. | 177 | 116 | 41 | 11 | 7 | 4 |
| Kansas City, Kans. | 32 | 21 | 8 | $\cdots$ | - | - | San Josa, Calif. | 170 | 117 | 39 | 5 | 3 | 8 |
| Kansas City, Mo. | 130 | 83 | 33 | 4 | 5 | 5 | Saattle, Wash. | 145 | 103 | 25 | 5 | 7 | 2 |
| Lincoln, Nabr. | 31 | 16 | 9 | 4 | 2 | 1 | Spokane, Wash. | 47 | 35 | 6 | - | 3 | 3 |
| Minneapolis, Minn. | 79 | 54 | 12 | 3 | 7 | 2 | Tacoma, Wash. | 49 | 31 | 12 | 4 | 2 | 4 |
| Omaha, Nebr. | 96 | 62 | 20 | 8 | 3 | 3 |  |  |  |  |  |  |  |
| St. Louis, Mo. | 158 | 100 | 35 | 11 | 10 | 4 |  |  |  |  |  |  |  |
| St. Paul, Minn. | 73 | 56 | 14 | 3 | - | 4 | TOTAL | 11,675 | 7,326 | 2,831 | 715 | 432 | 486 |
| Wichits, Kans. | 59 | 26 | 23 | 2 | 4 | - |  |  |  |  |  |  |  |

[^1]
## Measles Surveillance - Continued

unable to estimate the percentage of reported cases. Another 25\% estimated that less than half of the total measles cases are reported. On the other hand, a fourth of the local health departments indicated that at least $90 \%$ of the total cases are reported to them.

The person assigned the task of collecting and reporting the measles surveillance data to the state health department is a nurse in $42 \%$ of the local health departments. Nonphysician epidemiologists (16\%) and clerical staff (16\%) are also assigned the task. Very rarely, physicians have the responsibility (4\%).

Approximately $83 \%$ of the local health jurisdictions routinely investigate every case report of measles. In about 10\% of the jurisdictions, only clusters of cases or cases of particular interest are investigated. In $65 \%$ of the health departments a nurse is the person responsible for following up a case report of measles. Occasionally, a non-physician epidemiologist (10\%) or physician (6\%) shares this responsibility with a nurse.

In over $80 \%$ of the health departments, the physician is contacted to confirm the diagnosis. Some contact is made with the patient in $85 \%$ of the jurisdictions. Most (76\%) phone the patient to offer counsel and/or to identify contacts at risk. Less commonly (62\%), a personal visit is made to patients. Nearly $70 \%$ of the jurisdictions provide contacts at risk with immunization or gamma globulin. In only $5 \%$ of the health departments is gamma globulin provided to contacts at risk without confirmation of the diagnosis by the physician.

Two-thirds of the health departments reported that at least $75 \%$ of reported cases in non-epidemic settings receive complete investigations. In contrast, one-fourth of the local jurisdictions felt that less than $25 \%$ of their measles case reports receive complete investigation. Eighty-five percent of local jurisdictions notify the state health department of the cases under investigation. About 75\% estimate that less than half of the suspected cases are confirmed as true cases, and in only $6 \%$ of the jurisdictions are virtually all reported cases verified as measles. Three-fourths of the agencies have available a county, city, or state laboratory with the capacity to measure measles antibody titers to aid in confirming cases.

Measles case reports are analyzed in about $60 \%$ of the health jurisdictions. Fifteen percent make a simple case count of measles reports, whereas in about $20 \%$ a more detailed analysis is done. Nearly $70 \%$ of the respondents compare their local measles data with information from other sources, most commonly national and regional statistics and previous rates in the same area. About $40 \%$ of the health departments compare their data with case reports from other areas.

About half of the agencies in the study routinely distribute their analyses of measles surveillance data to health department staff and health-care providers. In about $40 \%$ of the jurisdictions, the information is distributed to interested groups in the community, to schools, and to the news media. About $40 \%$ publish a newsletter regularly, usually monthly. Such newsletters are more common in the large health jurisdictions (52\%) than in small ( $21 \%$ ) and medium-sized ( $26 \%$ ) ones.

The reported number of measles cases in each local area has a varied impact on the measles programs and policies of the health department. The greatest impact is in disease control, but reporting is also important in stimulating surveillance efforts, determining staff assignments, and developing and assessing programs. Measles surveillance data have little impact on the program budget or laboratory activity. The national measles surveillance data have had a similar but slightly smaller impact on the local programs and policy.

Various surveillance publications are available to the local health departments. Two publications considered to be most important for their impact on the measles programs are the state health department guidelines and the MMWR. Only 3 of the 123 respondents
stated that they could work effectively without state health department guidelines. The MMWR, including ACIP recommendations, was ranked as the most important publication in $\mathbf{2 9 \%}$ of the jurisdictions and was considered second most important by another 39\%. Less than $7 \%$ of the respondents stated that they could work effectively without the MMWR.

Almost all (97\%) of the respondents agreed that measles should be a reportable condition in their districts. About $80 \%$ of those in favor of measles surveillance suggested that these data should be analyzed completely, with detailed epidemiologic information on such factors as age, sex, and race. More than $95 \%$ indicated that measles data should continue to be analyzed at the national level.
Reported by the Conference of State and Territorial Epidemiologists; Immunization Div, Bur of State Services, Consolidated Surveillance and Communications Activity, Bur of Epidemiology, CDC.
CDC.
Editorial Note: Many public health resources at the state and local level are used in the surveillance and control of measles. Since the time of this survey, surveillance and investigation of suspected measles cases have intensified as part of the program to eliminate indigenous measles by October 1982. Nearly every suspected case of measles that is reported is now being investigated promptly. A telephone survey of 52 reporting areas (the 50 states, Washington, D.C., and New York City) in January 1980, revealed that 47 thought that at least $50 \%$ of all measles cases that occurred were reported; 31 estimated that $80 \%$ or more of cases were reported.

## Epidemiologic Notes and Reports

## Measles Associated with Fort Dix

Between January 4 and March 22, 1980, Fort Dix, New Jersey, reported 87 measles cases, many of which were laboratory confirmed.

Two recruits who left Fort Dix during this outbreak developed measles at their new stations-Aberdeen Proving Grounds, Maryland, and Fort Eustis, Virginia. Both sites subsequently had measles outbreaks, which totaled 10 confirmed and 16 suspected cases. Measles was also reported in recruits on leave from Fort Dix in New Hampshire and in California, and in 4 Fort Dix recruits recently stationed at Fort Belvoir, Virginia.

This series of outbreaks illustrates the problem of measles transmission in the highly mobile military population. In January, the Armed Forces Epidemiological Board met to discuss this problem and subsequently issued the following recommendations:
" (a) The Armed Forces establish a routine program for immunizing recruits against measles combined with the established program against rubella.
(b) To obtain maximum benefit from these vaccines, they should be given by the eighth day after induction.
(c) Where laboratory facilities are available, screening for susceptibility and selectively immunizing the identified susceptibles is preferable.
(d) These vaccines should be given to all recruits except those women found to be pregnant by appropriate testing. Immunized women will be admonished to avoid pregnancy for a period of at least 3 months following receipt of vaccine."
Since these recommendations were issued on February 20, immunization of recruits has begun at many Army bases. Because of measles transmission in Army personnel who have completed basic training and are in advanced training programs, these personnel are also being immunized at many bases. As of March 31, Fort Dix had given

## Measles - Continued

5,845 immunizations; Aberdeen Proving Grounds, 1,792; Fort Belvoir, 1,680; and Fort Eustis, 2,897.
Reported by Col WA Smith, MC, Chief, Preventive Medicine Activity, Fort Dix, New Jersey; Col DC Warren, MC, Commander, Kirk Army Clinic, Aberdeen Proving Grounds, Maryland; Lt Col KE Zahn, ANC, Chief, Preventive Medicine Activity, Fort Belvoir, Virginia; Maj DE Hammack, MSC, Chief, Preventive Medicine Activity, Fort Eustis, Virginia; Col DM Rosenberg, MC, Chief, Preventive Medicine Div, Health Services Command, Fort Sam Houston, Texas; Col T Nowosiwsky, MC, Chief, Lt Col FJ Erdtmann, MC, Disease Control Consultants, Preventive Medicine Consultants Div, Office of the Surgeon General, Dept of the Army; R Altman, MD, State Epidemiologist, New Jersey State Dept of Health; DA Sorley, MD, State Epidemiologist, Maryland State Dept of Health and Mental Hygiene; GB Miller, Jr, MD, State Epidemiologist, Virginia State Dept of Health; and Immunization Div, Bur of State Services, CDC.

## Scombroid Fish Poisoning - Illinois, Michigan

Six outbreaks of scombroid fish poisoning affecting 60 persons have occurred since March 19 in Illinois and Michigan. In each outbreak mahimahi has been incriminated as the vehicle of transmission.

Illinois: On March 19, 30 of 240 persons (13\%) attending a luncheon in Chicago became ill after eating mahimahi. Symptoms in the persons interviewed were typical of scombroid fish poisoning (1) and included headaches, facial flushing, conjunctival injection, diarrhea, and nausea. Illness began from 5 to 120 minutes after eating (mean 60 minutes). Histamine levels in excess of $90 \mathrm{mg} / \mathrm{dl}$ were subsequently found in fish from the luncheon.

On April 2, 3 other persons who ate mahimahi in a Chicago restaurant became ill with symptoms compatible with scombroid fish poisoning. On April 3, 2 more persons in Chicago, both unrelated to the earlier patients, developed symptoms compatible with scombroid fish poisoning after eating mahimahi. The fish implicated in both of these outbreaks had been purchased from the same dealer.

Michigan: On April 2, 21 of 26 persons ( $81 \%$ ) who attended a dinner in Ann Arbor became ill with diarrhea, urticarial rash, and flushing within $1 / 2$ hour to 3 hours of eating mahimahi. The fish had been purchased through a distributor in Detroit. Samples of meat taken from the party and frozen samples from the Detroit distributor revealed histamine levels in excess of $130 \mathrm{mg} / \mathrm{dl}$.

On March 24, 2 persons eating mahimahi at a restaurant in suburban Detroit also developed signs and symptoms compatible with scombroid fish poisoning. On April 3, 2 persons eating at a different suburban Detroit restaurant became ill after eating this type of fish. The fish at these 2 restaurants had also been distributed by the Detroit supplier.
Reported by KT Reddi, MD, A Harris, MD, Chicago Dept of Health; L Strohm, PhD, Oakland County (Michigan) Health Dept; D Nolan, MD, Detroit City Health Dept; J Kowalczyk, University of Michigan Dept of Occupational Safety and Environmental Health, Ann Arbor; NS Hayner, MD, State Epi-

The Morbidity and Mortality Weekly Report, circulation 88,700 , is published by the Center for Disease Control, Atlanta, Georgia. The data in this report are provisional, based on weekly telegraphs 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 succeeding Friday.

The editor welcomes accounts of interesting cases, outbreaks, environmental hazards, or other public health problems of current interest to health officials. Send reports to: Center for Disease Control, Attn: Editor, Morbidity and Mortality Weekly Report, Atlanta, Georgia 30333.

Send mailing list additions, deletions, and address changes to: Center for Disease Control, Attn: Distribution Services, GSO, 1-SB-36, Atlanta, Georgia 30333. When requesting changes be sure to give your former address, including zip code and mailing list code number, or send an old address label.
demiologist，Michigan State Dept of Public Health；Food and Drug Administration；Enteric Diseases Br，Bacterial Diseases Div，Bur of Epidemiology，CDC．
Editorial Note：Although the clinical illness of scombroid fish poisoning takes its name from the association with fish of the family Scombridae，these outbreaks were associated with eating a fish in a different family．Mahimahi（Coryphaena hippurus），also called blue dolphin or dolphin fish，has been described in outbreaks of scombroid fish poisoning since 1973 （2）and in the period 1975－1979 was associated with 13 of the 31 scombroid outbreaks reported to CDC．Of these 13， 7 were in Hawaii， 2 in California， 2 in Washing－ ton，and 1 each in Colorado and Minnesota．The histamine levels reported were typical of those found in scombroid fish poisoning（3）．The Food and Drug Administration is conducting investigations of the source and distribution of mahimahi associated with these outbreaks．
References
1．Kim R．Flushing syndrome due to mahimahi（scombroid fish）poisoning．Arch Dermatol 1979； 115：963－5．
2．California State Department of Health．＂Scombroid＂poisoning from mahi－mahi．California Mar－ bidity Weekly Report．no．23，June 15， 1973.
3．Halstead BW．Class osteichthyes：poisonous scombrotoxic fishes．In：Halstead BW．Poisonous and venomous marine animals of the world．Princeton：Darwin Press，Inc．，1978：417－35．

## Current Trends

## Influenza－United States

For the week ending March 29， 1 state（Michigan）reported widespread outbreaks of influenza，and 1 state（Virginia）reported regional outbreaks．Nineteen states reported sporadic cases，and 17 states reported no activity．

For the week ending April 5，the number of pneumonia and influenza（P\＆I）deaths reported from 117 U．S．cities dropped below the epidemic threshold for the first time in 11 weeks．
Reported by the Immunization Div，Bur of State Services，and the Consolidated Surveillance and Communications Activity，Bur of Epidemiology，CDC．

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[^0]:    *Jurisdictions in each state were divided into 3 categories according to population size, and 1 jurisdiction was sampled from each category.

[^1]:    *Mortality data in this table are voluntarily reported from 121 cities in the United States, most of which have populations of 100,000 or more. A death is reportad by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

    * Pneumonia and intluenza
    $\dagger$ Because of changes in reporting methods in these 4 Pennsylvania cities, these numbers are partial counts for the current week, Complete counts will be available in 4 to 6 waoks.

