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MORBIDITY AND MORTALITY WEEKLY REPORT

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## World AIDS Day — December 1, 1996

"One World, One Hope" is the theme designated by the Joint United Nations Programme on HIV/AIDS (UNAIDS) for this year's World AIDS Day, December 1, 1996. Worldwide, 190 countries observe World AIDS Day to focus attention on the human immunodeficiency virus (HIV)/acquired immunodeficiency syndrome (AIDS) pandemic, which has resulted in an estimated 27.9 million HIV infections and 5.8 million deaths, including 1.3 million deaths in children ( 1,2 ). In the United States, activities for World AIDS Day are coordinated by the American Association for World Health in collaboration with UNAIDS, the Pan American Heath Organization, and the U.S. Department of Health and Human Services.

Additional information about HIV infection, AIDS, and World AIDS Day is available from the CDC National AIDS Hotline, telephone (800) 342-2437, (919) 361-8400, (800) 344-7432 (Spanish), and (800) 243-7889 (TTY/TDD); the CDC National AIDS Clearinghouse, telephone (800) 458-5231 or (301) 217-0023; and the CDC Home Page on the World Wide Web, http://www.cdc.gov/nchstp/hiv_aids/worldaid/ worldaid.htm.

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## AIDS Among Children - United States, 1996

As of September 30, 1996, a total of 566,002 acquired immunodeficiency syndrome (AIDS) cases, including 7472 cases among children aged $<13$ years ( $1 \%$ ), had been reported to CDC by state and territorial health departments. Most children reported with AIDS acquired human immunodeficiency virus (HIV) infection perinatally from their mothers ( 1 ). During 1988-1993, an estimated 6000-7000 children were born each year to HIV-infected women; an estimated 1000-2000 of these children were infected annually (2). In 1994, results of clinical trials demonstrating effective therapy for reducing perinatal HIV transmission indicated a two-thirds decrease in such transmis-
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## AIDS Among Children - Continued

sion associated with zidovudine (ZDV) therapy for HIV-infected pregnant women and their newborns. The Public Health Service (PHS) issued recommendations in 1994 for ZDV treatment to reduce perinatal HIV transmission, and in 1995 for routine HIV counseling and voluntary testing for all pregnant women in the United States $(3,4)$. This report summarizes the epidemiology of AIDS in children in the United States reported cumulatively from 1982 through September 1996, presents rates for 1995 (the most recent year for which census estimates are available), and describes a recent decrease in the rate of perinatally acquired AIDS.*

## AIDS Among Children

Of the 7472 children reported with AIDS, $58 \%$ were non-Hispanic black, $23 \%$ were Hispanic, $18 \%$ were non-Hispanic white, and $1 \%$ were of other racial/ethnic groups. During 1995, the rates of reported AIDS cases per 100,000 children were 6.4 for nonHispanic blacks, 2.3 for Hispanics, 0.4 for non-Hispanic whites, 0.4 for American Indians/Alaskan Natives, and 0.3 for Asians/Pacific Islanders. Among all U.S. children with AIDS, 6750 ( $90 \%$ ) acquired HIV perinatally, 370 (5\%) through receipt of contaminated blood transfusions, and 231 (3\%) through receipt of contaminated blood products for coagulation disorders; 121 (2\%) had no reported risk factor. Among children with perinatally acquired AIDS, the median age at diagnosis was 18 months. Approximately $80 \%$ of all children with AIDS had AIDS diagnosed before age 5 years. The highest numbers of cases were reported from New York (1901), Florida (1199), New Jersey (661), California (524), Puerto Rico (347), and Texas (296); combined, these cases accounted for $66 \%$ of all AIDS cases reported among children.

Risk exposures for HIV infection among the mothers of the 6750 children with perinatally acquired AIDS included injecting-drug use (IDU) (41\%), sexual contact with a partner with or at risk for HIV/AIDS (34\%), and receipt of contaminated blood or blood products (2\%); for $13 \%$, no risk was specified.

## Trends in Perinatally Acquired AIDS

To examine trends in the incidence of AIDS among children born to HIV-infected mothers, the number of perinatally acquired AIDS cases diagnosed each quarter from 1986 through March 1996 was estimated using standard statistical adjustments that account for delays in reporting cases to CDC and estimates of behavioral risk among persons reported without a risk (1). The estimated number of children with perinatally acquired AIDS peaked at 905 during 1992, followed by a decline in incidence (Figure 1).

From 1992 through 1995, the estimated annual number of perinatally acquired AIDS cases declined $27 \%$, from 905 to 663 . During this time, the estimated annual number of cases declined $39 \%$ among non-Hispanic white, $26 \%$ among non-Hispanic black, and $25 \%$ among Hispanic children. The proportionate decrease in the number of children with perinatally acquired AIDS from the six areas reporting the highest number of cases was greater than the decrease for all remaining areas and for all areas combined (Table 1).

[^0]AIDS Among Children - Continued
FIGURE 1. Number of perinatally acquired AIDS cases among children aged <13 years,* by quarter of diagnosis - United States, 1986-March 1996

*Estimates were based on cases reported through September 1996, adjusted for reporting delays and unreported risk but not for incomplete reporting of diagnosed AIDS cases. Points represent estimated quarterly incidence, and the line represents "smoothed" incidence.

TABLE 1. Estimated number of children diagnosed with perinatally acquired AIDS*, by area of residence, year of diagnosis, and percentage change, 1992 to 1995 - United States and territories

| Area of <br> residence | No. |  |  |  | \% Change |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{1 9 9 2}$ | $\mathbf{1 9 9 3}$ | $\mathbf{1 9 9 4}$ | $\mathbf{1 9 9 5}$ | 1992 to 1995 |

*Cases diagnosed through 1995 using data reported to CDC through September 1996, adjusted for reporting delays and unreported risk. Estimates are not adjusted for incomplete reporting $\dagger$ of diagnosed AIDS cases.
${ }^{\dagger}$ Six areas reporting the highest number of cases: California, Florida, New Jersey, New York, Puerto Rico, and Texas.

## HIV Infection Among Children

To enhance the usefulness of surveillance systems to characterize affected populations and to improve the targeting of resources for prevention and care, 28 states require confidential reporting of children with HIV infection without a diagnosis of AIDS as well as those with AIDS (1). Through September 1996, these states reported

AIDS Among Children - Continued
TABLE 2. Number of children aged <13 years reported with HIV infection* and AIDS - United States and territories, $1995^{\dagger}$

| Area | HIV | AIDS | Area | HIV | AIDS |
| :--- | :---: | :---: | :--- | ---: | ---: |
| Alabama | 8 | 4 | Nebraska | 2 | 1 |
| Alaska | - | 0 | Nevada | 1 | 4 |
| Arizona | 6 | 1 | New Hampshire | - | 0 |
| Arkansas | 8 | 3 | New Jersey | 48 | 61 |
| California | - | 89 | New Mexico | - | 0 |
| Colorado | 4 | 1 | New York | - | 166 |
| Connecticut | 12 | 18 | North Carolina | 25 | 12 |
| Delaware | - | 1 | North Dakota | 0 | 0 |
| District of Columbia | - | 13 | Ohio | 14 | 14 |
| Florida | - | 111 | Oklahoma | 3 | 0 |
| Georgia | - | 28 | Oregon | - | 2 |
| Hawaii | - | 0 | Pennsylvania | - | 19 |
| Idaho | - | 0 | Puerto Rico | 46 |  |
| Illinois | - | 26 | Rhode Island | - | 0 |
| Indiana | - | 0 | South Carolina | 24 | 7 |
| lowa | - | 2 | South Dakota | 1 | 0 |
| Kansas | - | 1 | Tennessee | 12 | 10 |
| Kentucky | 23 | 12 | Utah | 51 | 31 |
| Louisiana | - | 1 | Vermont | 0 | 0 |
| Maine | - | 37 | Virginia | 0 | 0 |
| Maryland | - | 19 | Virgin Islands | 10 | 19 |
| Massachusetts | 19 | 9 | Washington | - | 5 |
| Michigan | 3 | 3 | West Virginia | - | 3 |
| Minnesota | 7 | 8 | Wisconsin | 0 | 2 |
| Mississippi | 10 | 5 | Wyoming | 0 | 0 |
| Missouri | - | 0 | Total | 0 | 797 |
| Montana |  |  |  |  | 0 |

*Twenty-eight states reported children with HIV infection without a diagnosis of AIDS in addition to children with AIDS.
†Data reported to CDC through September 1996.

29\% (2155) of all children with AIDS and 1447 children with HIV infection. During 1995, these states reported 228 AIDS cases among children and 302 children with documented HIV infection who had not developed AIDS (Table 2). During 1995, these states received 1464 additional reports of children who were born to HIV-infected mothers but who require follow-up with providers to determine their HIV-infection status. Among the six reporting areas with the highest cumulative number of children with AIDS, only New Jersey and Texas require reports of HIV infection among children. Reported by state, territorial, and local health departments. Div of HIV/AIDS Prevention, National Center for HIV, STD, and TB Prevention, CDC.
Editorial Note: The findings in this report document a decline in the incidence of perinatally acquired AIDS before and after the release of PHS recommendations for HIV counseling and voluntary testing for pregnant women and for ZDV therapy to prevent perinatal transmission ( 3,4 ). The recommendations were issued to promote the adoption of these HIV-prevention strategies as standard medical practice in the United States. Because the number of HIV-infected women who gave birth each year was stable during 1989-1994 (5), this decline suggests that the decrease in perinatal HIV

AIDS Among Children - Continued
transmission rates probably reflected the effect of perinatal ZDV therapy. Increasing proportions of women may be accepting voluntary prenatal HIV testing and using ZDV to prevent perinatal transmission $(6,7)$.

Because the incidence of perinatally acquired AIDS declined slightly before the PHS recommendations on ZDV therapy were issued in 1994, other factors may have contributed to the decrease in perinatally acquired AIDS cases during this period. For example, the proportion of HIV-infected childbearing women who received ZDV therapy before and during pregnancy for treatment of their HIV disease was increasing (8). Among children, increased use of prophylaxis to prevent AIDS opportunistic infections may have delayed the development of these conditions. However, the incidence of Pneumocystis carinii pneumonia, the most common AIDS-defining condition among children, has not decreased substantially among young children $(9,10)$.

AIDS surveillance conducted in all reporting areas provides a standardized means to monitor AIDS incidence in children as a measure of the effectiveness of perinatal prevention efforts. To further characterize implementation of counseling, testing, and treatment for HIV-infected mothers and their children, CDC and other federal agencies are initiating facility-based program evaluations in selected high-incidence areas. These studies also will examine factors that may contribute to a change in perinatal HIV transmission rates (e.g., changing obstetrical practices and womens' attitudes toward and adherence to ZDV and other preventive therapy). In states that conduct confidential HIV reporting for children, timely assessment of HIV-prevention measures in mother-infant pairs (e.g., prenatal care and prenatal and neonatal ZDV therapy) will measure changes in perinatal HIV transmission rates statewide and permit refinement and redirection of prevention efforts. The Council of State and Territorial Epidemiologists has recommended that all states implement HIV infection reporting for children and consider reporting of all children of indeterminate HIV status who were born to infected mothers.

In the United States, HIV and AIDS disproportionately affect non-Hispanic black and Hispanic women and their children. This disparity probably reflects socioeconomic factors, access to and use of medical services, or differences in behaviors associated with HIV transmission risks among women. Health-care providers in the public and private sectors should implement comprehensive integrated-service delivery programs to ensure that all women have access to HIV counseling and voluntary testing and to services for related health needs (e.g., antiretroviral therapy, substance-abuse treatment, and social and support services).

The ZDV regimen recommended in the United States is not an affordable prevention strategy in many countries where HIV prevalence rates among women are highest. Worldwide, an estimated 8.8 million women and 800,000 children have HIV/AIDS; most of these persons reside in sub-Saharan Africa where resources for health services infrastructure are limited (World Health Organization, unpublished data, 1996). CDC and other organizations are collaborating with ministries of health in Africa and Asia to evaluate the effectiveness of shorter and simplified ZDV regimens, other antiretroviral medications, and other interventions for reducing perinatal HIV transmission. However, because ZDV treatment or other potential interventions are not universally effective in preventing perinatal transmission, primary prevention of HIV infection among children will continue to require preventing new HIV infections among women in the United States and other countries.

## AIDS Among Children - Continued

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## Serogroup Y Meningococcal Disease - Illinois, Connecticut, and Selected Areas, United States, 1989-1996

Neisseria meningitidis is a leading cause of bacterial meningitis and sepsis in the United States. N. meningitidis is classified into serogroups based on the antigenic characteristics of its capsular polysaccharide. During 1989-1991 in the United States, serogroups B and C accounted for most (91\%) of invasive meningococcal disease while serogroup $Y$ caused $<5 \%$ (1); however, during 1992-1995, serogroup Y accounted for an increasing proportion of meningococcal disease. This report describes the epidemiology of serogroup Y meningococcal disease (SYMD) during 1991-1996 in Illinois and Connecticut, which conducted enhanced surveillance through active reviews of clinical records, and in areas participating in active laboratory-based surveillance during 1989-1995. The findings indicate a substantial increase in the proportion of meningococcal disease caused by N. meningitidis serogroup Y since 1989.

## Illinois

In Illinois (1990 population: 11,430,602), 589 cases of invasive disease attributed to N. meningitidis were reported from January 1991 through March 1996, representing an annual incidence ranging from 0.9 to 1.0 per 100,000 population. Serogrouping was conducted for 371 ( $83 \%$ ) of 447 culture-confirmed cases. The proportion of SYMD increased from $6 \%$ in 1991 to $29 \%$ in 1995; the proportion of disease attributed to serogroups B and C decreased from $85 \%$ to $59 \%$.

## Meningococcal Disease - Continued

From January 1991 through March 1996, the Chicago Department of Public Health received 145 reports of suspected meningococcal disease among persons residing in Chicago (1990 population: $2,783,726$ ), and $N$. meningitidis was isolated from a normally sterile site in 133 ( $92 \%$ ) case-patients. The overall annual incidence of cultureconfirmed disease ranged from 0.7 to 1.3 cases per 100,000 population. Of the 105 culture-confirmed isolates for which serogroup was known, 42 ( $40 \%$ ) were serogroup Y; 29 (28\%), serogroup B; 27 (26\%), serogroup C; and two (2\%), serogroup W135. Among case-patients with known serogroups, the proportion of SYMD increased from $6 \%$ in 1991 to $71 \%$ in 1995. In comparison, the proportion of serogroups B and C decreased from $94 \%$ to $25 \%$. Of 42 patients in Chicago with culture-confirmed SYMD, 22 ( $52 \%$ ) were female; two ( $5 \%$ ) died. The median age of patients with SYMD was 16 years compared with 2 years for patients with disease caused by non-serogroup $Y$ meningococci. Although patients with SYMD were more likely to present with purulent sputum (six [14\%] versus one [2\%]) and chest pain (eight [19\%] versus one [2\%]), they were not more likely to have an infiltrate on chest radiograph (seven [23\%] versus 10 [20\%]). Case-fatality rates were similar among patients with SYMD (two [5\%] of 42), compared with case-patients with disease caused by other known serogroups (six [10\%] of 63).

## Connecticut

From January 1991 through June 1996, a total of 190 culture-confirmed cases of invasive N. meningitidis infection among residents of Connecticut (1990 population: $3,287,116)$ were reported to the Connecticut Department of Public Health. The overall annual incidence of culture-confirmed cases ranged from 0.7 to 1.4 per 100,000 population. Of the 144 isolates for which serogroup was known, 69 (48\%) were serogroup C; 38 (26\%), serogroup Y; 35 (24\%), serogroup B; and two (1\%), serogroup W-135. The proportion of SYMD increased from 1991 ( $6 \%$ ) to 1995 ( $35 \%$ ). Of the 33 case-patients with SYMD identified since 1994, 18 ( $55 \%$ ) were female; two ( $6 \%$ ) died. The median age for patients with SYMD was 29 years, compared with 13 years for patients with disease caused by non-SYMD.

## Active Laboratory-Based Surveillance

During 1989-1995, active laboratory-based surveillance was conducted in three counties in the San Francisco metropolitan area, eight counties in the Atlanta metropolitan area, and four counties in Tennessee, and during 1992-1995, in Maryland, representing an aggregate population of approximately 12 million. A case was defined as $N$. meningitidis isolated from a normally sterile site in a resident of a surveillance area. In the three active surveillance areas for which continuous data were available, the rate of SYMD per 100,000 persons increased from 1989 (0) to 1995 (0.4). Among the case-patients for whom serogroup was known, the proportion of SYMD increased from 1989 (0) to 1995 ( $32.5 \%$ ). During the same period, the overall rate of meningococcal disease remained stable at 1.0-1.4.

During 1992-1995, in the four active surveillance areas, SYMD patients were older than patients with non-serogroup Y (median age: 21.8 years versus 14.2 years). Pneumonia was four times more likely to be diagnosed in persons with SYMD (12\%) than in persons with other serogroups (3\%), even after adjusting for age.

## Meningococcal Disease - Continued

## Laboratory Investigation

Multilocus enzyme electrophoresis (MEE) (2) using 24 enzymes was used to characterize genetic relatedness of serogroup Y isolates systematically sampled from 1995 Illinois surveillance ( $n=40$ ), 1995 Connecticut surveillance ( $n=17$ ), 1992-1995 U.S. active laboratory-based surveillance ( $n=40$ ), 1972-1975 U.S. active laboratory-based surveillance (when SYMD accounted for $18 \%$ of the isolates submitted to CDC) ( $\mathrm{n}=27$ ) (3) , and 1970-1974 surveillance of U.S. military personnel ( $\mathrm{n}=12$ ). Two major enzyme type complexes could be distinguished by a difference in peptidase mobility. One group of enzyme types accounted for $54 \%$ ( 33 of 97 ) of the isolates tested during 19921995, one of the 1972-1975 surveillance strains, and none of the strains from U.S. military personnel. The other group accounted for $34 \%$ ( 33 of 97 ) of 1992-1995 isolates and $62 \%$ ( 24 of 39 ) of the 1972-1975 isolates.
Reported by: J Racoosin, MD, PS Diaz, MD, U Samala, MPH, B Clark, D Freedman, MD, W Paul, MD, Chicago Dept of Public Health; M Swartz, K Kelly, C Langkop, MSPH, Illinois Dept of Public Health. R Nelson, DVM, M Cartter, MD, P Mshar, JL Hadler, MD, State Epidemiologist, Connecticut Dept of Public Health. W Baughman, MSPH, M Farley, MD, E Houpt, MD, D Stephens, MD, Veterans Administration Medical Svcs and Emory Univ School of Medicine, Atlanta. L Billman, MPH, L Harrison, MD, Johns Hopkins Univ, Baltimore; D Dwyer, MD, Maryland Dept of Health and Mental Hygiene. B Barnes, L Lefkowitz, MD, Vanderbilt Medical Center, Nashville, Tennessee. G Rothrock, MPH, A Reingold, MD, Emerging Infections Program, San Francisco. W Zollinger, MD, Walter Reed Army Research Institute, Bethesda, Maryland. Childhood and Respiratory Diseases Br, Div of Bacterial and Mycotic Diseases, National Center for Infectious Diseases; Div of Applied Public Health Training (proposed), Epidemiology Program Office, CDC.
Editorial Note: During the 1970s, SYMD was recognized as a common cause of endemic disease in some U.S. populations ( 3,4 ) and was associated with several outbreaks in military personnel (5-7). During 1978-1981, SYMD caused 7\% of meningococcal cases reported through a nationwide surveillance system in which 27 states participated ( 8 ). Although SYMD accounted for only $2 \%$ of endemic disease in U.S. active surveillance during 1989-1991 (1), by 1995 the proportion of infections caused by SYMD had increased in Illinois and Connecticut and in the active surveillance areas. In 1995, among the 30 states reporting supplemental data on cultureconfirmed cases of meningococcal disease through the National Electronic Telecommunications System for Surveillance (NETSS) (9), serogroup information was recorded for 527 ( $54 \%$ ) of 973 cases reported, and serogroup Y accounted for $21 \%$ of cases. This pattern is consistent with the findings in this report and underscores the need to both determine and report serogroup information for all cases of meningococcal disease.

The finding in this report that patients with SYMD in Chicago, Connecticut, and the active laboratory-based surveillance areas were older than patients with disease caused by non-serogroup $Y$ meningococci is consistent with cases reported to CDC through NETSS. One possible explanation for this and the increase in SYMD is waning population immunity against SYMD. However, the increase in SYMD also may reflect, in part, the emergence of a distinct clone that differs in peptidase motility, as characterized by MEE. Although the association between epidemic meningococcal disease and clonality has been clearly established, the possible relation between shifts in endemic disease serogroup distribution and emergence of particular clones requires further assessment.

The clinical illness associated with SYMD differs from that of the other serogroups; in particular, findings from the active laboratory-based surveillance system indicated

## Meningococcal Disease - Continued

that pneumonia was more common among patients with SYMD, consistent with studies in some military populations $(5,6)$ in which serogroup $Y$ was more likely than other serogroups to be associated with pneumonia and other forms of nonmeningitic disease. Meningococcal pneumonia may not be diagnosed because isolation of the organism from the sputum cannot distinguish persons who are meningococcal carriers from those with pneumonia caused by this organism, and because physicians may not consider $N$. meningitidis as a possible cause of pneumonia. As a result, infections that occur in the absence of meningitis or bacteremia may be underreported in current surveillance.

The current meningococcal vaccine (Connaught Laboratories, Swiftwater, Pennsylvania), which contains the purified polysaccharide capsules of serogroups $A, C, W-135$ and $Y$, has been effective in controlling serogroup $C$ outbreaks and may be useful in controlling an SYMD outbreak. However, this vaccine has not been used to control endemic disease because its immunogenicity is low in young children and immunity is of limited duration. Conjugated vaccines for serogroup $C$, which are similar to those now available for preventing Haemophilus influenzae type b, are being evaluated in safety and immunogenicity trials (10). Because of the increased proportion of SYMD, manufacturers should consider developing a serogroup $Y$ conjugate component for controlling endemic meningococcal disease.

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## Update: Influenza Activity — United States, 1996-97 Season

In collaboration with the World Health Organization (WHO), its collaborating laboratories, and state and local health departments, CDC conducts surveillance to monitor influenza activity and to detect antigenic changes in the circulating strains of influenza viruses. This report summarizes influenza surveillance in the United States from September through early November 1996, which indicates that influenza activity is at typical levels for this time of year.

From September 4 through November 9, influenza A virus isolates were reported from 10 states (Alaska, California, Colorado, lowa, Maryland, Montana, New York, North Carolina, Washington, and Wisconsin), and influenza B isolates were reported from seven states (Alaska, Illinois, Kentucky, Missouri, Ohio, Texas, and Wisconsin) (Figure 1). Most isolates were associated with sporadic cases. Of the five influenza type A isolates confirmed at CDC, all were identified as influenza type $A(H 3 N 2)$ and, when further characterized, were closely related to the influenza type $A(H 3 N 2)$ strain included in the 1996-97 influenza vaccine. Of the seven states reporting influenza $B$, Alaska and Illinois reported isolates obtained from patients who probably became infected while traveling outside the United States (Hong Kong and China, respectively).

For the week ending November 9, most state and territorial epidemiologists reported no influenza activity or sporadic* activity; Alaska and Montana reported regional activity.
Reported by: Participating state and territorial epidemiologists and state public health laboratory directors. World Health Organization collaborating laboratories. Epidemiology Div, Public Health Laboratory Svcs Communicable Diseases Surveillance Center, United Kingdom. Influenza Br and WHO Collaborating Center for Surveillance, Epidemiology, and Control of Influenza, Div of Viral and Rickettsial Diseases, National Center for Infectious Diseases, CDC.
Editorial Note: Levels of activity described in this report are typical for September and October. Although the timing and intensity of influenza activity vary by season, sporadic influenza activity can begin in September, and isolated outbreaks can occur during October and November; widespread influenza activity usually does not begin before December. Although the optimal time for vaccination programs is October through mid-November, health-care providers should continue to offer vaccine to high-risk persons after mid-November and even after influenza activity has been documented in a community. Influenza vaccine contains influenza type $A(H 1 N 1)$, type A(H3N2), and type B strains representing the influenza virus strains that are expected to circulate during the 1996-97 influenza season. The 1996-97 vaccine contains A/Texas/36/91-like (H1N1), A/Wuhan/359/95-like (H3N2), and B/Beijing/184/93-like antigens. For both A/Wuhan/359/95-like and B/Beijing/184-like antigens, U.S. manufacturers used the antigenically equivalent strains $A / N a n c h a n g / 933 / 95(\mathrm{H} 3 \mathrm{~N} 2)$ and B/Harbin/07/94 because of their growth properties.

When influenza vaccine is administered after local outbreaks of influenza type A have been reported, short-term prophylaxis with amantadine or rimantadine can be considered. These drugs can be used as treatment or prophylaxis for influenza type A

[^1]Influenza Activity - Continued
FIGURE 1. Laboratory-confirmed influenza, by state and type of isolate - United States, September 4-November 9, 1996

infection, but they are not effective against influenza type $B$. Because early virologic surveillance has indicated circulation of influenza type A and type $B$ viruses, use of viral culture and rapid antigen-detection testing throughout the season is particularly important (1).

Throughout the influenza season, surveillance data collected by CDC will be updated weekly and made available through the CDC voice information system (telephone ([404] 332-4551) and fax information system ([404] 332-4565 and requesting document number 361100). Information about local influenza activity is available from county and state health departments.

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## Salmonellosis Associated with a Thanksgiving Dinner Nevada, 1995

On November 28, 1995, the county coroner's office notified the Clark County Health District in Las Vegas, Nevada, about a death suspected to have resulted from a foodborne disease. This report summarizes the investigation of the outbreak of gastroenteritis among persons who attended a Thanksgiving dinner. The investigation documented Salmonella serotype Enteritidis (SE) infection associated with eating improperly prepared turkey and stuffing containing eggs and emphasizes the need to use a meat thermometer to ensure complete cooking of turkey and stuffing.

During November 25-28, 1995, all six persons who attended a Thanksgiving dinner at a private home on November 23 and a seventh person who on November 25 ate food remaining from the dinner had onset of abdominal cramps, vomiting, and diarrhea. Two persons were hospitalized because of dehydration; a third person was found comatose at home and died from severe dehydration and sepsis. Stool cultures obtained from three persons, including the decedent, yielded SE phage type 13a. Turkey and stuffing were the only foods eaten by all seven ill persons. No leftover food was available for culture.

The Clark County Health District interviewed the ill persons (including the cook) to obtain details about the preparation and cooking of the turkey and stuffing. On November 22, a 13-pound frozen turkey was thawed for 6 hours in a sink filled with cold water. After thawing, the packet of giblets (heart, liver, and gizzard) was removed, and the turkey was stored in a refrigerator overnight. However, on November 23, parts of the turkey were noted to be frozen. The turkey was filled with a stuffing made from bread, the giblets, and three raw eggs, and then placed for 1 hour in an oven set at 350 F (177 C). The setting was lowered to 300 F (149 C) while the turkey cooked for an estimated additional 4 hours. The turkey was removed from the oven when the exterior had browned. A meat thermometer was not used. The stuffing was removed immediately and was served with the turkey. After the outbreak, health officials tested the oven set at $300 \mathrm{~F}(149 \mathrm{C})$ and found the temperature to be $350 \mathrm{~F}(176 \mathrm{C})$.
Reported by: O Ravenholt, MD, CA Schmutz, LC Empey, DJ Maxson, PL Klouse, AJ Bryant, Clark County Health District, Las Vegas; R Todd, DrPH, State Epidemiologist, Nevada State Health Div. Foodborne and Diarrheal Diseases Br, Div of Bacterial and Mycotic Diseases, National Center for Infectious Diseases, CDC.
Editorial Note: An estimated 2-4 million cases of salmonellosis occur each year in the United States, resulting in at least 500 deaths (1). Approximately 40,000 of these infections are culture-confirmed, serotyped, and reported to CDC through the National Salmonella Surveillance System. In 1995, SE was the most common serotype reported, accounting for $25 \%$ of the 40,720 serotyped culture-confirmed cases.

Salmonellosis is frequently associated with eating undercooked eggs and poultry. Undercooked eggs are a particularly common source of SE infections. During 19881992, among foodborne disease outbreaks of salmonellosis reported to CDC in which a single food item was implicated, consumption of turkey and eggs accounted for $4 \%$ and $14 \%$ of cases, respectively. In addition, eggs or foods containing eggs as a principal ingredient caused $64 \%$ of the SE outbreaks (2).

Factors probably associated with the outbreak described in this report included inadequate thawing, use of raw eggs in the stuffing, and undercooking; in addition, the browned color of the turkey may have caused the cook to believe that the turkey and

## Salmonellosis - Continued

stuffing were thoroughly cooked. Although the original source of the Salmonella is unknown, the raw eggs used in the stuffing probably contained $S E$, and these eggs probably were incompletely cooked; undercooking may occur more commonly in turkeys that contain stuffing (J. Carpenter, Ph.D., University of Georgia, personal communication, 1996).

Each year, an estimated 45 million turkeys are eaten in the United States at Thanksgiving (J. DeYoung, National Turkey Federation, personnel communication, 1996). Salmonella infection may result from eating improperly cooked turkey and stuffing $(3,4)$. This risk for infection can be reduced by cooking stuffing outside the turkey. Guidelines prepared by the U.S. Department of Agriculture (USDA) for persons who choose to cook stuffing inside the turkey recommend preparing the stuffing immediately before it is placed inside the turkey, stuffing the turkey loosely, inserting a meat thermometer into the center of the stuffing, and ensuring that the thermometer attains a temperature of at least 165 F (74 C). Additional recommendations for safely preparing and cooking a turkey include thawing the turkey completely before cooking, cooking in an oven set no lower than 325 F ( 163 C ), and using a meat thermometer to ensure that the innermost part of the thigh attains a temperature of $180 \mathrm{~F}(82 \mathrm{C})$. Although the set temperature and cooking time can be used as guides to determine whether food is completely cooked, inaccuracies in the actual temperature and incomplete thawing before cooking can lead to undercooking. Use of a meat thermometer provides a more accurate determination of thorough cooking. Further advice on cooking turkeys and stuffing is available from USDA's Meat and Poultry Hotline, telephone (800) 535-4555.

## References

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2. Bean NH, Goulding JS, Loa C, Angulo FJ. Surveillance for foodborne-disease outbreaksUnited States, 1988-1992. In: CDC surveillance summaries (October). MMWR 1996;45(no. SS-5).
3. CDC. Foodborne nosocomial outbreak of Salmonella reading-Connecticut. MMWR 1991;40: 804-6.
4. CDC. Restaurant outbreak of salmonellosis due to undercooked turkey-Washington. MMWR 1978;27:514,519.

## Unintentional Administration of Varicella Virus Vaccine United States, 1996

Since June 1995, seven separate cases of unintentional administration of varicella virus vaccine (Varivax ${ }^{\circledR *}$ ) to pregnant women have been reported in the United States to the Varivax ${ }^{\circledR}$ Pregnancy Registry ${ }^{\dagger}$. All seven women had household exposure to varicella, and varicella zoster immune globulin (VZIG) prophylaxis was indicated.

[^2]
## Varicella Vaccine - Continued

However, Varivax ${ }^{\circledR}$ was administered unintentionally instead of VZIG to these women. One of the women received five times the recommended dose of vaccine. All had negative histories for varicella, and the status of their immunity to varicella before receiving the vaccine was not reported to the registry. Gestational age at vaccination ranged from 6 to 31 weeks; four of the seven pregnancies were <20 weeks' gestation. Two of these women have since delivered healthy infants; pregnancy outcomes are pending for five women.
Reported by: JM Manson, PhD, RG Sharrar, MD, Merck Research Laboratories, Worldwide Product Safety and Epidemiology Div, West Point, Pennsylvania. Vaccine Safety and Development Activity, Child Vaccine Preventable Diseases Br, Epidemiology and Surveillance Div, National Immunization Program, CDC.
Editorial Note: The use of Varivax ${ }^{\circledR}$ is contraindicated during pregnancy (1) because its effects on the fetus are unknown and because infection with wild varicella zoster virus during the first half of pregnancy may result in congenital varicella syndrome (2). The Advisory Committee on Immunization Practices recommends that VZIG be used for postexposure prophylaxis in susceptible persons at high risk for varicella complications, including women exposed to varicella at any stage of pregnancy (1). The risk for congenital varicella syndrome after natural infection with wild varicella zoster virus is $1 \%-2 \%$; because the virulence of the attenuated virus used in the vaccine is less than that of the wild-type virus, the risk to the fetus, if any, should be lower (1).

Two potential reasons these incidents occurred are 1) use of the wrong vial by mistake and 2) a lack of understanding of the appropriate indications for the use of these two products. These cases underscore the need for health-care providers and pharmacists to carefully check product labels before administering any drug and to read the package inserts for any drug if they are uncertain of the appropriate indications for its use. VZIG is shipped as a liquid in $2-\mathrm{mL}$ or $10-\mathrm{mL}$ vials and must be stored at $36 \mathrm{~F}-46$ $\mathrm{F}(2 \mathrm{C}-8 \mathrm{C})$. In contrast, Varivax ${ }^{\circledR}$ is shipped as a lyophilized powder for suspension in $0.7-\mathrm{mL}$ vials, must be reconstituted with diluent before use, and must be stored at 5 F (-15 C).

Before a vaccine or any drug is administered to a woman of childbearing age, a health-care provider should be careful to obtain a history of pregnancy or intended pregnancy from the patient. Health-care providers are strongly encouraged to enroll any women who were unintentionally vaccinated with varicella virus vaccine 3 months before or at any time during pregnancy in the Varivax ${ }^{\circledR}$ Pregnancy Registry, telephone (800) 986-8999.

## References

1. CDC. Prevention of varicella: recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 1996;45(no. RR-11).
2. Enders G, Miller E, Cradock-Watson J, Bolley I, Ridehalgh M. Consequences of varicella and herpes zoster in pregnancy: prospective study of 1739 cases. Lancet 1994;343:1548-51.

FIGURE I. Selected notifiable disease reports, comparison of provisional 4-week totals ending November 16, 1996, with historical data - United States

*Ratio of current 4-week total to mean of 154 -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.

TABLE I. Summary - provisional cases of selected notifiable diseases, United States, cumulative, week ending November 16, 1996 (46th Week)

|  | Cum. 1996 |  | Cum. 1996 |
| :---: | :---: | :---: | :---: |
| Anthrax |  | Plague | 5 |
| Brucellosis | 82 | Poliomyelitis, paralytic ${ }^{\text {¢ }}$ |  |
| Cholera | 3 | Psittacosis | 37 |
| Congenital rubella syndrome | 1 | Rabies, human | 1 |
| Cryptosporidiosis* | 2,034 | Rocky Mountain spotted fever (RMSF) | 657 |
| Diphtheria | 1 | Streptococcal toxic-shock syndrome* | 13 |
| Encephalitis: California* | 105 | Syphilis, congenital** | 225 |
| eastern equine* | 2 | Tetanus | 25 |
| St. Louis* |  | Toxic-shock syndrome | 112 |
| western equine* |  | Trichinosis | 17 |
| Hansen Disease | 95 | Typhoid fever | 318 |
| Hantavirus pulmonary syndrome* ${ }^{*}$ | 19 | Yellow fever ${ }^{\dagger \dagger}$ | 1 |
| HIV infection, pediatric*s | 227 |  |  |
|  |  |  |  |
| *Not notifiable in all states. |  |  |  |
| ${ }^{\dagger}$ Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (NCID) |  |  |  |
| § Updated monthly to the Division of HIV/AIDS Prevention, National Center for HIV, STD, and TB Prevention (NCHSTP), la update October 29, 1996. |  |  |  |
| I Three suspected cases of polio with onset in 1996 has been reported to date. |  |  |  |
| ${ }^{11}$ This fatal case of yellow fever is the first occurrence of this disease reported in the United States since 1924. The infection |  |  |  |

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending November 16, 1996, and November 18, 1995 (46th Week)

| Reporting Area | AIDS* |  | Chlamydia <br> Cum. <br> 1996 | Escherichia coli 0157:H7 |  | Gonorrhea |  | Hepatitis C/NA,NB |  | Legionellosis |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\mathrm{NETSS}^{\dagger}$ | PHLIS ${ }^{\text { }}$ |  |  |  |  |  |  |
|  | $\begin{gathered} \hline \text { Cum. } \\ 1996 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ |  | $\begin{gathered} \hline \text { Cum. } \\ 1996 \end{gathered}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \end{aligned}$ | $\begin{gathered} \hline \text { Cum. } \\ 1996 \end{gathered}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ | $\begin{gathered} \hline \text { Cum. } \\ 1996 \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ |
| UNITED STATES | 56,760 | 60,827 |  | 335,242 | 2,480 | 1,366 | 265,688 | 345,981 | 2,928 | 3,564 | 882 | 1,022 |
| NEW ENGLAND | 2,334 | 2,943 | 14,818 | 325 | 79 | 6,246 | 6,845 | 105 | 110 | 66 | 31 |
| Maine | 39 | 82 | 844 | 22 |  | 53 | 83 | - |  | 2 | 6 |
| N.H. | 72 | 77 | 397 | 39 | 38 | 80 | 99 | 8 | 12 | 5 | 2 |
| Vt . | 18 | 28 | U | 34 | 31 | 42 | 58 | 36 | 13 | 4 | - |
| Mass. | 1,134 | 1,336 | 6,210 | 146 | 10 | 1,950 | 2,410 | 55 | 78 | 28 | 19 |
| R.I. | 159 | 205 | 1,652 | 15 | - | 441 | 475 | 6 | 7 | 27 | 4 |
| Conn. | 912 | 1,215 | 5,715 | 69 | - | 3,680 | 3,720 | - | - | N | N |
| MID. ATLANTIC | 15,871 | 16,428 | 40,726 | 209 | 43 | 32,138 | 38,010 | 276 | 434 | 205 | 180 |
| Upstate N.Y. | 2,180 | 1,973 | N | 141 | 16 | 5,771 | 8,246 | 218 | 222 | 69 | 50 |
| N.Y. City | 8,653 | 8,417 | 18,756 | 13 | - | 10,373 | 15,233 | 1 | 1 | 10 | 5 |
| N.J. | 3,102 | 3,977 | 6,324 | 55 | 5 | 4,812 | 3,468 | - | 172 | 13 | 30 |
| Pa. | 1,936 | 2,061 | 15,646 | N | 22 | 11,182 | 11,063 | 57 | 39 | 113 | 95 |
| E.N. CENTRAL | 4,442 | 4,504 | 71,178 | 551 | 401 | 49,915 | 69,873 | 397 | 306 | 256 | 308 |
| Ohio | 940 | 942 | 15,667 | 163 | 97 | 11,323 | 21,433 | 32 | 14 | 96 | 137 |
| Ind. | 497 | 467 | 8,863 | 82 | 48 | 5,751 | 8,231 | 8 | 12 | 41 | 72 |
| III. | 1,988 | 1,871 | 21,032 | 210 | 126 | 15,615 | 18,322 | 63 | 77 | 9 | 33 |
| Mich. | 782 | 919 | 17,705 | 96 | 70 | 13,379 | 16,042 | 294 | 203 | 86 | 30 |
| Wis. | 235 | 305 | 7,911 | N | 60 | 3,847 | 5,845 | - | - | 24 | 36 |
| W.N. CENTRAL | 1,324 | 1,439 | 24,510 | 552 | 339 | 10,968 | 17,542 | 114 | 80 | 54 | 73 |
| Minn. | 260 | 345 | 2,702 | 248 | 220 | U | 2,638 | 4 | 4 | 8 | 6 |
| lowa | 76 | 94 | 3,801 | 121 | 88 | 1,004 | 1,431 | 48 | 13 | 10 | 20 |
| Mo. | 673 | 642 | 10,635 | 64 | - | 7,190 | 9,921 | 36 | 19 | 17 | 16 |
| N. Dak. | 11 | 5 | 2 | 16 | 15 | - | 29 | - | 5 | - | 3 |
| S. Dak. | 11 | 17 | 1,315 | 24 | - | 166 | 199 | - | 1 | 2 | 3 |
| Nebr. | 87 | 93 | 2,084 | 49 | 4 | 786 | 973 | 7 | 23 | 12 | 17 |
| Kans. | 206 | 243 | 3,971 | 30 | 12 | 1,822 | 2,351 | 19 | 15 | 5 | 8 |
| S. ATLANTIC | 14,203 | 15,365 | 49,123 | 131 | 64 | 85,788 | 96,375 | 232 | 221 | 139 | 157 |
| Del. | 248 | 277 | 1,148 | 1 | 2 | 1,287 | 2,024 | 1 | - | 11 | 2 |
| Md. | 2,008 | 2,287 | 6,016 | N | 8 | 12,681 | 12,134 | 3 | 7 | 27 | 25 |
| D.C. | 1,120 | 896 | N | - | - | 3,865 | 4,165 | - | - | 8 | 5 |
| Va . | 965 | 1,204 | 10,367 | N | 32 | 8,192 | 9,479 | 16 | 18 | 23 | 21 |
| W. Va. | 101 | 94 | 1 | N | 3 | 473 | 598 | 9 | 44 | 1 | 4 |
| N.C. | 744 | 898 | - | 43 | 12 | 16,722 | 21,174 | 45 | 55 | 12 | 31 |
| S.C. | 717 | 815 | - | 12 | 7 | 10,161 | 11,079 | 28 | 19 | 6 | 30 |
| Ga. | 2,058 | 1,999 | 11,051 | 30 | - | 16,391 | 17,698 | U | 15 | 3 | 14 |
| Fla. | 6,242 | 6,895 | 20,540 | 33 | - | 16,016 | 18,024 | 130 | 63 | 48 | 25 |
| E.S. CENTRAL | 1,931 | 1,919 | 27,783 | 69 | 59 | 30,875 | 35,958 | 504 | 890 | 44 | 52 |
| Ky. | 345 | 245 | 5,935 | 13 | 8 | 3,777 | 4,196 | 27 | 29 | 8 | 10 |
| Tenn. | 708 | 763 | 11,901 | 32 | 48 | 10,567 | 12,294 | 366 | 859 | 19 | 24 |
| Ala. | 512 | 520 | 7,492 | 13 | 3 | 11,991 | 14,814 | 7 | 2 | 4 | 6 |
| Miss. | 366 | 391 | U | 11 | - | 4,540 | 4,654 | 104 | U | 13 | 12 |
| W.S. CENTRAL | 5,722 | 5,173 | 33,252 | 71 | 13 | 25,705 | 48,303 | 413 | 312 | 19 | 21 |
| Ark. | 229 | 241 | - | 13 | 4 | 2,772 | 5,121 | 14 | 7 | 2 | 6 |
| La. | 1,264 | 902 | 6,532 | 6 | 4 | 7,232 | 9,644 | 188 | 169 | 2 | 3 |
| Okla. | 227 | 236 | 6,606 | 12 | 1 | 4,326 | 5,192 | 69 | 50 | 5 | 4 |
| Tex. | 4,002 | 3,794 | 20,114 | 40 | 4 | 11,375 | 28,346 | 142 | 86 | 10 | 8 |
| MOUNTAIN | 1,644 | 1,888 | 14,784 | 203 | 98 | 6,037 | 8,385 | 513 | 424 | 46 | 105 |
| Mont. | 34 | 20 |  | 25 | - | 34 | 61 | 18 | 14 | 1 | 4 |
| Idaho | 35 | 41 | 1,361 | 37 | 13 | 93 | 127 | 95 | 46 | - | 2 |
| Wyo. | 5 | 17 | 507 | 11 | 9 | 33 | 48 | 168 | 178 | 7 | 12 |
| Colo. | 437 | 572 | U | 73 | 40 | 1,077 | 2,513 | 56 | 61 | 8 | 38 |
| N. Mex. | 139 | 148 | 3,521 | 11 | - | 840 | 942 | 66 | 44 | 2 | 4 |
| Ariz. | 486 | 551 | 6,164 | N | 24 | 3,058 | 3,313 | 70 | 48 | 19 | 9 |
| Utah | 161 | 113 | 1,398 | 31 |  | 260 | 249 | 22 | 11 | 3 | 16 |
| Nev. | 347 | 426 | 1,833 | 15 | 12 | 642 | 1,132 | 18 | 22 | 6 | 20 |
| PACIFIC | 9,288 | 11,168 | 59,068 | 369 | 270 | 18,016 | 24,690 | 374 | 787 | 53 | 95 |
| Wash. | 587 | 780 | 8,085 | 138 | 123 | 1,809 | 2,443 | 50 | 202 | 6 | 20 |
| Oreg. | 412 | 409 | 4,649 | 86 | 59 | 552 | 732 | 7 | 36 | 1 | - |
| Calif. | 8,103 | 9,712 | 44,031 | 141 | 78 | 14,931 | 20,406 | 129 | 471 | 40 | 70 |
| Alaska | 28 | 62 | 1,093 | 4 | 2 | 388 | 601 | 3 | 2 | 1 | - |
| Hawaii | 158 | 205 | 1,210 | N | 8 | 336 | 508 | 185 | 76 | 5 | 5 |
| Guam | 4 | - | 168 | N | - | 31 | 90 | 1 | 6 | 2 | 1 |
| P.R. | 2,026 | 2,159 | N | 17 | U | 342 | 521 | 76 | 203 | - | - |
| V.I. | 17 | 30 | N | N | U | - | - | - | - | - | - |
| Amer. Samoa | - | - | - | N | U | - | 32 | - | - | - | - |
| C.N.M.I. | 1 | - | N | N | U | 11 | 51 | - | 5 | - | - |
|  | U: Unavailable $\quad-:$ no reported cases |  |  |  |  | C.N.M.I.: Commonwealth of Northern Mariana Islands |  |  |  |  |  |
| *Updated monthly to the Division of HIV/AIDS Prevention, National Center for HIV, STD, and TB Prevention, last update October 29, 1996.¢National Electronic Telecommunications System for Surveillance.§ Public Health Laboratory Information System. |  |  |  |  |  |  |  |  |  |  |  |

TABLE II. (Cont'd.) Provisional cases of selected notifiable diseases, United States,
weeks ending November 16, 1996, and November 18, 1995 (46th Week)

| Reporting Area | $\begin{gathered} \text { Lyme } \\ \text { Disease } \end{gathered}$ |  | Malaria |  | Meningococcal Disease |  | Syphilis(Primary \& Secondary) |  | Tuberculosis |  | Rabies, Animal |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \end{aligned}$ | $\begin{gathered} \hline \text { Cum. } \\ 1995 \end{gathered}$ | $\begin{gathered} \hline \text { Cum. } \\ 1996 \end{gathered}$ | $\begin{gathered} \hline \text { Cum. } \\ 1995 \end{gathered}$ | $\begin{gathered} \hline \text { Cum. } \\ 1996 \end{gathered}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ | $\begin{gathered} \hline \text { Cum. } \\ 1996 \end{gathered}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ | $\begin{gathered} \hline \text { Cum. } \\ 1996 \end{gathered}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ |
| UNITED STATES | 12,669 | 9,932 | 1,330 | 1,181 | 2,803 | 2,647 | 9,591 | 14,574 | 16,535 | 18,717 | 6,048 | 6,952 |
| NEW ENGLAND | 3,782 | 1,901 | 64 | 45 | 126 | 133 | 165 | 324 | 372 | 444 | 653 | 1,370 |
| Maine | 52 | 25 | 8 | 7 | 13 | 10 |  | 2 | 19 | 11 | 102 | 46 |
| N.H. | 45 | 24 | 3 | 2 | 7 | 22 | 1 | 1 | 14 | 17 | 51 | 139 |
| Vt. | 15 | 9 | 7 | 1 | 4 | 11 | - | - | - | 4 | 127 | 166 |
| Mass. | 316 | 135 | 21 | 15 | 54 | 42 | 70 | 61 | 185 | 246 | 97 | 391 |
| R.I. | 471 | 297 | 7 | 4 | 13 | 6 | 3 | 4 | 27 | 45 | 35 | 303 |
| Conn. | 2,883 | 1,411 | 18 | 16 | 35 | 42 | 91 | 256 | 126 | 121 | 241 | 325 |
| MID. ATLANTIC | 7,692 | 6,503 | 359 | 333 | 256 | 319 | 425 | 733 | 2,841 | 3,826 | 1,314 | 1,785 |
| Upstate N.Y. | 3,948 | 3,294 | 75 | 61 | 80 | 90 | 68 | 76 | 381 | 479 | 972 | 1,067 |
| N.Y. City | 292 | 408 | 194 | 182 | 33 | 48 | 120 | 337 | 1,340 | 2,101 | - | - |
| N.J. | 1,831 | 1,611 | 60 | 65 | 58 | 71 | 126 | 139 | 652 | 683 | 124 | 309 |
| Pa. | 1,621 | 1,190 | 30 | 25 | 85 | 110 | 111 | 181 | 468 | 563 | 218 | 409 |
| E.N. CENTRAL | 72 | 415 | 115 | 149 | 387 | 369 | 1,366 | 2,495 | 1,765 | 1,770 | 89 | 98 |
| Ohio | 45 | 28 | 13 | 11 | 141 | 107 | 498 | 813 | 276 | 249 | 13 | 12 |
| Ind. | 24 | 18 | 13 | 17 | 54 | 52 | 174 | 305 | 155 | 161 | 8 | 14 |
| III. | 3 | 18 | 35 | 73 | 108 | 95 | 372 | 933 | 910 | 918 | 23 | 15 |
| Mich. | - | 5 | 39 | 26 | 42 | 67 | 166 | 262 | 324 | 362 | 31 | 39 |
| Wis. | U | 346 | 15 | 22 | 42 | 48 | 156 | 182 | 100 | 80 | 14 | 18 |
| W.N. CENTRAL | 184 | 204 | 47 | 25 | 220 | 167 | 321 | 670 | 419 | 511 | 472 | 343 |
| Minn. | 97 | 117 | 21 | 5 | 25 | 26 | 51 | 41 | 92 | 124 | 27 | 27 |
| Iowa | 19 | 13 | 3 | 3 | 47 | 29 | 20 | 43 | 55 | 56 | 219 | 119 |
| Mo. | 27 | 46 | 10 | 8 | 91 | 64 | 207 | 548 | 176 | 201 | 18 | 30 |
| N. Dak. | 1 |  | 1 | 1 | 4 | 1 | - |  | 6 | 4 | 65 | 27 |
| S. Dak. | - | - | - | 2 | 10 | 7 | - | - | 17 | 22 | 105 | 93 |
| Nebr. | 5 | 6 | 3 | 3 | 20 | 17 | 11 | 12 | 21 | 20 | 5 | 5 |
| Kans. | 35 | 22 | 9 | 3 | 23 | 23 | 32 | 26 | 52 | 84 | 33 | 42 |
| S. ATLANTIC | 650 | 623 | 274 | 233 | 558 | 452 | 3,348 | 3,652 | 3,113 | 3,271 | 2,506 | 1,980 |
| Del. | 105 | 49 | 4 | 1 | 2 | 6 | 35 | 15 | 30 | 53 | 68 | 83 |
| Md. | 377 | 395 | 75 | 62 | 65 | 36 | 569 | 443 | 262 | 350 | 559 | 393 |
| D.C. | 3 | 3 | 7 | 16 | 10 | 8 | 121 | 97 | 121 | 91 | 10 | 11 |
| Va . | 47 | 52 | 49 | 53 | 55 | 60 | 352 | 532 | 282 | 255 | 549 | 406 |
| W. Va. | 11 | 22 | 5 | 4 | 14 | 8 | 3 | 10 | 50 | 64 | 94 | 109 |
| N.C. | 63 | 67 | 27 | 15 | 68 | 72 | 972 | 1,014 | 447 | 393 | 635 | 428 |
| S.C. | 6 | 16 | 12 | 1 | 57 | 55 | 353 | 528 | 291 | 282 | 83 | 117 |
| Ga. | 1 | 14 | 27 | 36 | 127 | 99 | 607 | 679 | 562 | 617 | 272 | 257 |
| Fla. | 37 | 5 | 68 | 45 | 160 | 108 | 336 | 334 | 1,068 | 1,166 | 236 | 176 |
| E.S. CENTRAL | 71 | 67 | 34 | 24 | 209 | 185 | 2,138 | 3,000 | 1,123 | 1,267 | 200 | 263 |
| Ky. | 25 | 13 | 7 | 3 | 27 | 42 | 138 | 161 | 210 | 284 | 39 | 26 |
| Tenn. | 20 | 28 | 14 | 10 | 58 | 73 | 743 | 801 | 346 | 388 | 82 | 91 |
| Ala. | 7 | 9 | 6 | 8 | 76 | 38 | 485 | 588 | 370 | 353 | 76 | 137 |
| Miss. | 19 | 17 | 7 | 3 | 48 | 32 | 772 | 1,450 | 197 | 242 | 3 | 9 |
| W.S. CENTRAL | 110 | 105 | 47 | 48 | 303 | 318 | 1,225 | 2,965 | 2,179 | 2,783 | 371 | 557 |
| Ark. | 24 | 8 | - | 2 | 33 | 31 | 131 | 457 | 170 | 217 | 28 | 46 |
| La. | 6 | 8 | 6 | 5 | 55 | 50 | 454 | 924 | 175 | 307 | 15 | 42 |
| Okla. | 22 | 45 | - | 1 | 36 | 39 | 163 | 174 | 154 | 326 | 30 | 28 |
| Tex. | 58 | 44 | 41 | 40 | 179 | 198 | 477 | 1,410 | 1,680 | 1,933 | 298 | 441 |
| MOUNTAIN | 7 | 12 | 54 | 57 | 157 | 186 | 124 | 187 | 547 | 610 | 137 | 171 |
| Mont. | - | - | 7 | 3 | 6 | 3 | - | 4 | 14 | 10 | 21 | 43 |
| Idaho | 1 | - | - | 1 | 22 | 11 | 4 | - | 7 | 14 | - | 3 |
| Wyo. | 2 | 3 | 7 | - | 3 | 8 | 2 | 1 | 6 | 4 | 27 | 26 |
| Colo. | - | - | 22 | 25 | 36 | 45 | 23 | 98 | 75 | 76 | 41 | 9 |
| N. Mex. | 1 | 1 | 2 | 6 | 25 | 33 | 1 | 6 | 73 | 70 | 6 | 6 |
| Ariz. | - | 1 | 7 | 11 | 38 | 55 | 79 | 43 | 212 | 298 | 31 | 55 |
| Utah | 1 | 1 | 5 | 6 | 15 | 15 | 2 | 4 | 51 | 38 | 4 | 15 |
| Nev. | 2 | 6 | 4 | 5 | 12 | 16 | 13 | 31 | 109 | 100 | 7 | 14 |
| PACIFIC | 101 | 102 | 336 | 267 | 587 | 518 | 479 | 548 | 4,176 | 4,235 | 306 | 385 |
| Wash. | 17 | 10 | 21 | 21 | 93 | 83 | 6 | 15 | 219 | 247 | 6 | 15 |
| Oreg. | 19 | 17 | 19 | 19 | 106 | 95 | 11 | 21 | 137 | 128 | 3 | 3 |
| Calif. | 64 | 75 | 284 | 214 | 374 | 324 | 460 | 510 | 3,590 | 3,628 | 289 | 360 |
| Alaska | - | - | 3 | 3 | 8 | 12 | - | 2 | 63 | 68 | 8 | 7 |
| Hawaii | 1 | - | 9 | 10 | 6 | 4 | 2 | - | 167 | 164 | - | - |
| Guam | - | - | - | 1 | 1 | 2 | 3 | 8 | 35 | 99 | - | - |
| P.R. | - | - | - | 1 | 4 | 23 | 124 | 261 | 63 | 162 | 40 | 37 |
| V.I. | - | - | - | 2 |  |  | , |  |  |  | - | , |
| Amer. Samoa | - | - | - | - | - | - | - | - | - | 5 | - | - |
| C.N.M.I. | - | - | - | 1 | - | - | 1 | 9 | - | 36 | - | - |

N : Not notifiable

TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending November 16, 1996, and November 18, 1995 (46th Week)

| Reporting Area | H. influenzae, invasive |  | Hepatitis (viral), by type |  |  |  | Measles (Rubeola) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | A |  | B |  | Indigenous |  | Imported ${ }^{\dagger}$ |  |
|  | $\begin{aligned} & \hline \text { Cum. } \\ & \text { 1996* } \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \end{aligned}$ | 1996 | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \end{aligned}$ | 1996 | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \end{aligned}$ |
| UNITED STATES | 868 | 998 | 25,289 | 26,728 | 8,695 | 8,792 | - | 415 | - | 49 |
| NEW ENGLAND | 28 | 38 | 365 | 283 | 178 | 203 | - | 11 | - | 4 |
| Maine |  | 3 | 21 | 28 | 2 | 12 | - | - | - | - |
| N.H. | 9 | 10 | 22 | 12 | 20 | 20 | - | - | - | - |
| Vt. | 1 | 2 | 10 | 5 | 11 | 5 | - | 1 | - | 1 |
| Mass. | 16 | 12 | 176 | 123 | 60 | 80 | - | 9 | - | 3 |
| R.I. | 2 | 5 | 20 | 32 | 9 | 8 | - | - | - | - |
| Conn. | - | 6 | 116 | 83 | 76 | 78 | - | 1 | - | - |
| MID. ATLANTIC | 128 | 151 | 1,672 | 1,706 | 1,293 | 1,262 | - | 23 | - | 5 |
| Upstate N.Y. | 15 | 38 | 400 | 426 | 305 | 336 | - | - | - | - |
| N.Y. City | 34 | 34 | 525 | 801 | 523 | 376 | - | 9 | - | 3 |
| N.J. | 51 | 26 | 311 | 272 | 227 | 336 | - | 3 | - | - |
| Pa . | 28 | 53 | 436 | 207 | 238 | 214 | - | 11 | - | 2 |
| E.N. CENTRAL | 146 | 169 | 2,124 | 2,889 | 877 | 992 | - | 6 | - | 7 |
| Ohio | 83 | 88 | 689 | 1,617 | 114 | 97 | - | 2 | - | 3 |
| Ind. | 15 | 20 | 323 | 169 | 134 | 206 | - | - | - | - |
| III. | 32 | 42 | 520 | 594 | 227 | 257 | - | 2 | - | 1 |
| Mich. | 8 | 17 | 433 | 335 | 337 | 362 | - | - | - | 3 |
| Wis. | 8 | 2 | 159 | 174 | 65 | 70 | - | 2 | - | - |
| W.N. CENTRAL | 41 | 76 | 2,309 | 1,740 | 456 | 574 | - | 20 | - | 2 |
| Minn. | 25 | 42 | 115 | 173 | 57 | 57 | U | 16 | U | 2 |
| lowa | 6 | 3 | 325 | 76 | 72 | 43 | - | - | - | - |
| Mo. | 7 | 24 | 1,166 | 1,200 | 246 | 391 | - | 3 | - | - |
| N. Dak. | - | - | 117 | 22 | 2 | 4 | - | - | - | - |
| S. Dak. | 1 | 1 | 42 | 72 | 5 | 2 | - | - | - | - |
| Nebr. | 1 | 3 | 194 | 49 | 44 | 31 | - | - | - | - |
| Kans. | 1 | 3 | 350 | 148 | 30 | 46 | - | 1 | - | - |
| S. ATLANTIC | 171 | 195 | 1,280 | 1,031 | 1,324 | 1,158 | - | 5 | - | 9 |
| Del. | 2 | - | 18 | 9 | 7 | 8 | - | 1 | - | - |
| Md. | 54 | 63 | 218 | 195 | 265 | 228 | U |  | U | 2 |
| D.C. | 6 | - | 36 | 25 | 31 | 21 | - | 1 | - | - |
| Va . | 9 | 28 | 165 | 190 | 128 | 99 | - | - | - | 3 |
| W. Va. | 10 | 8 | 14 | 24 | 30 | 50 | - | - | - | - |
| N.C. | 24 | 28 | 157 | 96 | 280 | 273 | - | 3 | - | 1 |
| S.C. | 5 | 2 | 49 | 42 | 88 | 49 | - | - | - | - |
| Ga . | 39 | 60 | 150 | 53 | 32 | 62 | - | - | - | 2 |
| Fla. | 22 | 6 | 473 | 397 | 463 | 368 | - | - | - | 1 |
| E.S. CENTRAL | 26 | 11 | 1,135 | 1,896 | 751 | 748 | - | 2 | - | - |
| Ky. | 4 | 5 | 41 | 41 | 55 | 61 | - | - | - | - |
| Tenn. | 12 | - | 733 | 1,591 | 442 | 587 | - | 2 | - | - |
| Ala. | 9 | 5 | 178 | 78 | 69 | 100 | - | - | - | - |
| Miss. | 1 | 1 | 183 | 186 | 185 | U | U | - | U | - |
| W.S. CENTRAL | 37 | 57 | 5,249 | 3,979 | 1,160 | 1,240 | - | 26 | - | 2 |
| Ark. | - | 6 | 461 | 538 | 73 | 61 | - | - | - | - |
| La. | 4 | 1 | 173 | 134 | 136 | 209 | - | - | - | - |
| Okla. | 29 | 21 | 2,188 | 1,100 | 59 | 152 | - | ${ }^{-}$ | - | - |
| Tex. | 4 | 29 | 2,427 | 2,207 | 892 | 818 | - | 26 | - | 2 |
| MOUNTAIN | 89 | 108 | 3,960 | 3,816 | 1,022 | 760 | - | 153 | - | 5 |
| Mont. | - | - | 108 | 147 | 15 | 21 | - | - | - | - |
| Idaho | 1 | 4 | 224 | 291 | 85 | 91 | - | 1 | - | - |
| Wyo. | 35 | 8 | 33 | 101 | 44 | 26 | - | 1 | - | - |
| Colo. | 14 | 16 | 413 | 468 | 120 | 119 | - | 4 | - | 3 |
| N. Mex. | 10 | 14 | 328 | 738 | 376 | 277 | - | 17 | - | - |
| Ariz. | 13 | 26 | 1,559 | 1,163 | 222 | 109 | - | 8 | - | - |
| Utah | 8 | 11 | 939 | 636 | 85 | 62 | - | 117 | - | 2 |
| Nev. | 8 | 29 | 356 | 272 | 75 | 55 | - | 5 | - | - |
| PACIFIC | 202 | 193 | 7,195 | 9,388 | 1,634 | 1,855 | - | 169 | - | 15 |
| Wash. | 4 | 9 | 650 | 787 | 93 | 177 | - | 51 | - | - |
| Oreg. | 26 | 26 | 754 | 2,488 | 84 | 107 | U | 10 | U | - |
| Calif. | 167 | 153 | 5,670 | 5,912 | 1,427 | 1,546 | - | 38 | - | 8 |
| Alaska | 2 | 1 | 39 | 44 | 18 | 11 | - | 63 | - | - |
| Hawaii | 3 | 4 | 82 | 157 | 12 | 14 | - | 7 | - | 7 |
| Guam | - | - | 2 | 8 | - | 5 | - | - | - | - |
| P.R. | 1 | 3 | 123 | 97 | 350 | 582 | - | 7 | - | - |
| V.I. | - | - | - | 8 | - | 15 | U | - | U | - |
| Amer. Samoa | - | - | - | 6 | - | - | U | - | U | - |
| C.N.M.I. | 10 | 11 | 1 | 24 | 5 | 22 | U | - | U | - |
| N : Not notifiable | U: Una |  | o report |  |  |  |  |  |  |  |

TABLE III. (Cont'd.) Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending November 16, 1996, and November 18, 1995 (46th Week)

| Reporting Area | Measles (Rubeola), cont'd. |  | Mumps |  |  | Pertussis |  |  | Rubella |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  |  |  |  |  |  |  |  |  |  |
|  | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \\ & \hline \end{aligned}$ | 1996 | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \\ & \hline \end{aligned}$ | 1996 | $\begin{gathered} \hline \text { Cum. } \\ 1996 \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { Cum. } \\ 1995 \\ \hline \end{gathered}$ | 1996 | $\begin{aligned} & \hline \text { Cum. } \\ & 1996 \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline \text { Cum. } \\ & 1995 \\ & \hline \end{aligned}$ |
| UNITED STATES | 464 | 292 | 7 | 571 | 765 | 208 | 5,026 | 3,995 | - | 201 | 116 |
| NEW ENGLAND | 15 | 10 | - | 2 | 11 | 51 | 1,088 | 579 | - | 27 | 48 |
| Maine | - | - | - | - | 4 | - | 20 | 42 | - |  | - |
| N.H. | - | - | - | - | 1 | 10 | 127 | 45 | - |  | 1 |
| Vt. | 2 | - | - | - | - | 5 | 140 | 69 | - | 2 | - |
| Mass. | 12 | 3 | - | 2 | 2 | 36 | 742 | 391 | - | 21 | 8 |
| R.I. | - | 5 | - | - |  | - | 30 | 4 | - | - | - |
| Conn. | 1 | 2 | - | - | 3 | - | 29 | 28 | - | 4 | 39 |
| MID. ATLANTIC | 28 | 12 | - | 78 | 111 | 27 | 447 | 368 | - | 12 | 15 |
| Upstate N.Y. | - | 1 | - | 25 | 25 | 27 | 275 | 192 | - | 5 | 4 |
| N.Y. City | 12 | 5 | - | 17 | 16 | - | 38 | 49 | - | 4 | 8 |
| N.J. | 3 | 6 | - | 2 | 18 | - | 16 | 18 | - | 2 | 3 |
| Pa . | 13 | - | - | 34 | 52 | - | 118 | 109 | - | 1 | - |
| E.N. CENTRAL | 13 | 15 | - | 93 | 155 | 16 | 549 | 500 | - | 3 | 4 |
| Ohio | 5 | 2 | - | 41 | 51 | 4 | 246 | 147 | - | - | - |
| Ind. | - | - | - | 9 | 9 | 9 | 102 | 55 | - | - | - |
| III. | 3 | 2 | - | 20 | 45 | - | 149 | 106 | - | 1 | - |
| Mich. | 3 | 5 | - | 22 | 50 | 3 | 47 | 65 | - | 2 | 4 |
| Wis. | 2 | 6 | - | 1 | - | - | 5 | 127 | - | - | - |
| W.N. CENTRAL | 22 | 2 | - | 18 | 43 | 2 | 362 | 251 | - | - | 1 |
| Minn. | 18 | - | U | 6 | 6 | U | 288 | 125 | U | - | - |
| lowa | - | - | - | 2 | 10 | - | 20 | 11 | - | - | - |
| Mo. | 3 | 1 | - | 7 | 22 | 2 | 36 | 61 | - | - | - |
| N. Dak. | - | - | - | 2 | 1 | - | 1 | 8 | - | - | - |
| S. Dak. | - | - | - | 2 | - | - | 4 | 12 | - | - | - |
| Nebr. | - | - | - | - | 4 | - | 9 | 12 | - | - | - |
| Kans. | 1 | 1 | - | 1 | - | - | 4 | 22 | - | - | 1 |
| S. ATLANTIC | 14 | 19 | 2 | 96 | 116 | 18 | 565 | 327 | - | 93 | 10 |
| Del. | 1 | - | - | - | - | - | 15 | 10 | - | - | - |
| Md. | 2 | 1 | U | 26 | 34 | U | 200 | 43 | U | - | 1 |
| D.C. | 1 | - | - | 1 | - | - | 4 | 6 | - | 2 | - |
| Va . | 3 | - | - | 15 | 25 | 15 | 95 | 25 | - | 2 | - |
| W. Va. | - | - | - |  | - | - | 2 | - | - | - | - |
| N.C. | 4 | - | - | 20 | 16 | - | 100 | 110 | - | 78 | 1 |
| S.C. | - | - | 1 | 7 | 11 | - | 41 | 26 | - | 1 | - |
| Ga . | 2 | 4 | - | 3 | 8 | - | 17 | 24 | - | - | - |
| Fla. | 1 | 14 | 1 | 24 | 22 | 3 | 91 | 83 | - | 10 | 8 |
| E.S. CENTRAL | 2 | - | - | 21 | 12 | 2 | 144 | 268 | - | 2 | 1 |
| Ky. | - | - | - | - | - | - | 90 | 25 | - | - | - |
| Tenn. | 2 | - | - | 3 | 4 | 1 | 21 | 206 | - | - | 1 |
| Ala. | - | - | - | 3 | 4 | 1 | 24 | 35 | - | 2 | - |
| Miss. | - | - | U | 15 | 4 | U | 9 | 2 | N | N | N |
| W.S. CENTRAL | 28 | 34 | 1 | 33 | 51 | - | 115 | 287 | - | 3 | 7 |
| Ark. | - | 2 | - | 2 | 7 | - | 12 | 38 | - | - | - |
| La. | - | 18 | - | 13 | 13 | - | 9 | 19 | - | 1 | - |
| Okla. | - | - | - | 1 | - | - | 17 | 31 | - | - | - |
| Tex. | 28 | 14 | 1 | 17 | 31 | - | 77 | 199 | - | 2 | 7 |
| MOUNTAIN | 158 | 70 | 1 | 22 | 30 | 2 | 388 | 586 | - | 6 | 4 |
| Mont. | - | - | - | - | 1 | 1 | 34 | 4 | - | - | - |
| Idaho | 1 | 2 | - | - | 3 | - | 101 | 103 | - | 2 | - |
| Wyo. | 1 | - | 1 | 1 | - | 1 | 7 | 1 | - | - | - |
| Colo. | 7 | 26 | - | 3 | 2 | - | 98 | 104 | - | 2 | - |
| N. Mex. | 17 | 31 | N | N | N | - | 61 | 131 | - | - | - |
| Ariz. | 8 | 10 | - | 1 | 2 | - | 27 | 153 | - | 1 | 3 |
| Utah | 119 | - | - | 2 | 11 | - | 22 | 27 | - | - | 1 |
| Nev. | 5 | 1 | - | 15 | 11 | - | 38 | 63 | - | 1 | - |
| PACIFIC | 184 | 130 | 3 | 208 | 236 | 90 | 1,368 | 829 | - | 55 | 26 |
| Wash. | 51 | 19 | - | 19 | 13 | 90 | 642 | 303 | - | 2 | 1 |
| Oreg. | 10 | 1 | U | - | - | U | 34 | 55 | U | 1 | - |
| Calif. | 46 | 108 | 3 | 157 | 201 |  | 660 | 412 | - | 49 | 20 |
| Alaska | 63 | - | - | 3 | 12 | - | 4 | 1 | - | - | - |
| Hawaii | 14 | 2 | - | 29 | 10 | - | 28 | 58 | - | 3 | 5 |
| Guam | - | - | - | 5 | 4 | - | 1 | 2 | - | - | 1 |
| P.R. | 7 | 3 | - | 1 | 2 | - | 1 | 2 | - | - | - |
| V.I. |  | - | U |  | 3 | U | - | - | U | - | - |
| Amer. Samoa | - | - | U | - | - | U | - | - | U | - | - |
| C.N.M.I. | - | - | U | - | 1 | U | - | - | U | - | - |
| N : Not notifiable | U: Unav |  | eport | cases |  |  |  |  |  |  |  |

TABLE IV. Deaths in 121 U.S. cities,* week ending November 16, 1996 (46th Week)

| Reporting Area | All Causes, By Age (Years) |  |  |  |  |  | $\begin{aligned} & \text { P\&I }{ }^{\dagger} \\ & \text { Total } \end{aligned}$ | Reporting Area | All Causes, By Age (Years) |  |  |  |  |  | $\begin{aligned} & \text { P\&I }{ }^{\dagger} \\ & \text { Total } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { All } \\ \text { Ages } \end{gathered}$ | >65 | 45-64 | 25-44 | 1-24 | <1 |  |  | All Ages | >65 | 45-64 | 25-44 | 1-24 | <1 |  |
| NEW ENGLAND | 626 | 478 | 95 | 31 | 9 | 13 | 51 | S. ATLANTIC | 1,216 | 764 | 235 | 138 | 48 | 31 | 75 |
| Boston, Mass. | 137 | 98 | 28 | 6 | 1 | 4 | 19 | Atlanta, Ga. | 173 | 109 | 37 | 14 | 7 | 6 | 5 |
| Bridgeport, Conn. | 45 | 39 | 4 | 1 | 1 | - | - | Baltimore, Md. | 219 | 133 | 44 | 31 | 7 | 4 | 28 |
| Cambridge, Mass. | 17 | 14 | 3 | - | - |  | - | Charlotte, N.C. | 73 | 46 | 15 | 11 | 1 | - | 6 |
| Fall River, Mass. | 19 | 15 | 2 | 2 | - |  | - | Jacksonville, Fla. | 130 | 80 | 31 | 13 | 5 | 1 | 4 |
| Hartford, Conn. | 44 | 29 | 6 | 3 | 3 | 3 | 2 | Miami, Fla. | 105 | 57 | 21 | 16 | 6 | 5 | - |
| Lowell, Mass. | 28 | 22 | 4 | 2 |  |  | 4 | Norfolk, Va. | 49 | 31 | 11 | 3 | 2 | 2 | 5 |
| Lynn, Mass. | 16 | 12 | 4 | - |  |  | 1 | Richmond, Va. | 53 | 35 | 10 | 7 | 1 | - | 4 |
| New Bedford, Mass. | 51 | 44 | 4 | 3 | $\overline{-}$ | 5 | - | Savannah, Ga. | 59 | 43 | 6 | 7 | 2 | 1 | 1 |
| New Haven, Conn. | 48 | 29 | 8 | 4 | 2 | 5 | 3 | St. Petersburg, Fla. | 71 | 50 | 8 | 8 | 5 | - | 3 |
| Providence, R.I. | 68 | 51 | 13 | 3 | 1 | - | 1 | Tampa, Fla. | 142 | 103 | 22 | 12 | 2 |  | 15 |
| Somerville, Mass. | 6 | 4 | 1 | 1 |  |  | 1 | Washington, D.C. | 132 | 67 | 30 | 16 | 10 | 9 | 4 |
| Springfield, Mass. | 51 | 45 | 5 | - | 1 | - | 10 | Wilmington, Del. | 10 | 10 | - | - | - | - | - |
| Waterbury, Conn. | 32 | 25 | 5 | 5 |  | 1 | 1 |  |  |  |  |  |  |  |  |
| Worcester, Mass. | 64 | 51 | 8 | 5 | - |  | 9 | E.S. CENTRAL Birmingham, Ala. | $\begin{aligned} & 678 \\ & 110 \end{aligned}$ | 486 | $\begin{array}{r} 115 \\ 21 \end{array}$ | 41 | 27 | 6 | 54 |
| MID. ATLANTIC | 2,400 | 1,627 | 476 | 201 | 49 | 45 | 133 | Chattanooga, Tenn. | 44 | 31 | 7 | 2 | 2 | 2 | 5 |
| Albany, N.Y. | 49 | 29 | 10 | 7 | 3 | - | 7 | Knoxville, Tenn. | 84 | 62 | 15 | 2 | 5 | - | 9 |
| Allentown, Pa. | 23 | 15 | 6 | 1 | 1 | - | - | Lexington, Ky. | 79 | 53 | 18 | 5 | 3 | - | 8 |
| Buffalo, N.Y. | 81 | 61 | 10 | 5 | 1 | 4 | 9 | Memphis, Tenn. | 186 | 135 | 30 | 13 | 7 | 1 | 15 |
| Camden, N.J. | 40 | 23 | 9 | 3 | 1 | 4 | - | Mobile, Ala. | 36 | 26 | 5 | 4 | 1 |  | 1 |
| Elizabeth, N.J. | 17 | 14 | - | - | 3 | - | - | Montgomery, Ala. | U | U | U | U | U | U | U |
| Erie, Pa.§ | 51 | 44 | 2 | 4 | 1 | - | 3 | Nashville, Tenn. | 139 | 102 | 19 | 11 | 5 | 1 | 13 |
| Jersey City, N.J. | 52 | 32 | 12 | 5 | 2 | 1 | 2 |  |  |  |  |  |  |  |  |
| New York City, N.Y. | 1,248 | 811 | 287 | 110 | 18 | 21 | 45 | W.S. CENTRAL | 1,454 | 912 40 | 305 9 | 144 | 48 | 45 |  |
| Newark, N.J. | U | U | U | U | U | U | U | Austin, Tex. | 56 45 | 40 | 12 | 4 | 2 | 1 | 3 |
| Paterson, N.J. | 20 | 15 | 3 | 1 | 1 | - | 5 | Corpus Christi, Tex. | 47 | 37 | 6 | 1 | 1 | 3 | 1 |
| Philadelphia, Pa. Pittsburgh, Pa.§ | 399 53 | 260 37 | 74 9 | 47 4 | 8 | 9 | 25 4 | Dallas, Tex. | 210 | 118 | 49 | 27 | 6 | 10 | 2 |
| Reading, Pa. | 10 | 8 | 9 | 4 | 1 | 1 | 3 | El Paso, Tex. | 72 | 45 | 14 | 7 | 5 | 1 | 3 |
| Rochester, N.Y. | 119 | 97 | 7 | 5 | 6 | 4 | 11 | Ft. Worth, Tex. | 123 | 79 | 27 | 9 | 3 | 5 | 2 |
| Schenectady, N.Y. | 27 | 23 | 3 | 1 |  |  | 2 | Houston, Tex. | 356 | 223 | 75 | 39 | 11 | 8 | 30 |
| Scranton, Pa.§ | 25 | 21 | 4 | - | - | - | 3 | Little Rock, Ark. | 73 | 52 | 8 | 5 | 4 | 4 | 5 |
| Syracuse, N.Y. | 95 | 69 | 22 | 3 | - | 1 | 7 | New Orleans, La. | 111 | 60 | 22 | 19 | 9 | 1 | - |
| Trenton, N.J. | 39 | 31 | 7 | 1 | - | - | 7 | San Antonio, Tex. | 181 | 118 | 44 | 13 | 2 | 4 | 13 |
| Utica, N.Y. | 21 | 15 | 4 | 2 |  | - | 1 | Shreveport, La. | 67 | 38 | 19 | 2 | 5 | 3 | 3 |
| Yonkers, N.Y. | 31 | 22 | 6 | 2 | 1 | - | 4 | Tulsa, Okla. | 113 | 76 | 20 | 15 | - | 2 | 3 |
| E.N. CENTRAL | 2,031 | 1,422 | 357 | 139 | 42 | 70 | 124 | MOUNTAIN | 878 | 594 | 154 | 85 | 27 | 17 | 67 |
| Akron, Ohio | 2,031 | , 38 | 7 | 3 | , | - | 12 | Albuquerque, N.M. | 104 | 67 | 24 | 10 | - | 3 | 2 |
| Canton, Ohio | 41 | 33 | 8 | - | - | - | 5 | Colo. Springs, Colo. | 37 | 27 | 7 | 2 | 1 | - | 1 |
| Chicago, III. | 376 | 229 | 75 | 45 | 13 | 13 | 19 | Denver, Colo. | 96 | 61 | 14 | 14 | 5 | 2 | 12 |
| Cincinnati, Ohio | 187 | 139 | 31 | 10 | 3 | 4 | 16 | Las Vegas, Nev. | 163 | 109 | 38 | 14 | 2 | - | 8 |
| Cleveland, Ohio | 127 | 73 | 35 | 10 | 2 | 7 | 2 | Ogden, Utah | 33 | 25 | 4 | 2 | 2 |  | 5 |
| Columbus, Ohio | 207 | 144 | 34 | 17 | 4 | 8 | 18 | Phoenix, Ariz. | 176 | 113 | 32 | 20 | 3 | 7 | 14 |
| Dayton, Ohio | 113 | 91 | 18 | 3 | - | 1 | 8 | Pueblo, Colo. | 20 | 17 | 3 |  | 10 | - | 2 |
| Detroit, Mich. | 221 | 138 | 47 | 17 | 4 | 15 | 7 | Salt Lake City, Utah | 103 | 65 110 | 15 | 10 | 10 | 3 | 8 |
| Evansville, Ind. | 42 | 37 | 2 |  | - | 3 | 2 | Tucson, Ariz. | 146 | 110 | 17 | 13 | 4 | 2 | 15 |
| Fort Wayne, Ind. | 53 | 41 | 10 | U | U | 1 | 5 | PACIFIC | 1,723 | 1,240 | 285 | 129 | 33 | 35 | 143 |
| Gary, Ind. | U | U | U | U | U | U | U | Berkeley, Calif. | 11 | 7 | 3 | 1 | - | - | 1 |
| Grand Rapids, Mich. | 46 | 33 | 9 | 2 | 2 | $\bar{\square}$ | 3 | Fresno, Calif. | 94 | 75 | 8 | 4 | 3 | 4 | 11 |
| Indianapolis, Ind. | 163 | 113 | 25 | 11 | 6 | 8 | 10 | Glendale, Calif. | 19 | 14 | 4 | 1 | - | - | 2 |
| Madison, Wis. | U | U | U | U | U | U | U | Honolulu, Hawaii | 43 | 32 | 5 | 4 | , | 1 | 4 |
| Milwaukee, Wis. | 128 | 95 | 19 | 9 | 1 | 4 | 7 | Long Beach, Calif. | 69 | 52 | 9 | 5 | 1 | 2 | 4 |
| Peoria, III. | 39 | 31 | 7 | 1 | - | 3 | 5 | Los Angeles, Calif. | 431 | 303 | 76 | 37 | 9 | 6 | 24 |
| Rockford, III. | 41 | 30 | 7 | 1 | - | 3 | 1 | Pasadena, Calif. | 20 | 15 | 1 | 3 | 1 | - | 1 |
| South Bend, Ind. | 35 | 30 | 4 | 1 | $\overline{-}$ | - | 4 | Portland, Oreg. | 133 | 90 | 30 | 12 | 1 | - | 8 |
| Toledo, Ohio | 97 | 75 | 10 | 6 | 3 | 3 | 9 | Sacramento, Calif. | 192 | 138 | 29 | 16 | 2 | 7 | 14 |
| Youngstown, Ohio | 66 | 52 | 9 | 2 | 3 | - | 3 | San Diego, Calif. | 123 | 82 | 20 | 10 | 6 | 5 | 16 |
| W.N. CENTRAL | 750 | 537 | 122 | 53 | 17 | 19 | 44 | San Francisco, Calif. | 119 | 89 | 22 | 3 | 2 | 2 | 17 |
| Des Moines, lowa | 58 | 44 | 8 | 3 | 1 | 2 | 6 | San Jose, Calif. | 171 | 123 | 32 | 12 | 3 | 1 | 20 |
| Duluth, Minn. | 35 | 26 | 7 | 1 | 1 | - | 4 | Santa Cruz, Calif. | 32 142 | 100 | ${ }^{6}$ | ${ }_{1}$ | 3 | 1 | 7 |
| Kansas City, Kans. | 47 | 36 | 7 | 1 | 1 | 2 | 2 | Seattle, Wash. | 142 | 100 | 21 | 15 | 3 | 3 | 5 |
| Kansas City, Mo. | 75 | 51 | 15 | 6 | - | 1 | 4 | Spokane, Wash. | 60 | 46 | 10 9 | 3 | 1 | 1 | 5 4 |
| Lincoln, Nebr. | 22 | 15 | 5 | 2 | - | - | - | Tacoma, Wash. | 64 | 51 |  | 1 | 1 | 2 | 4 |
| Minneapolis, Minn. | 155 | 114 | 23 | 10 | 5 | 3 | 10 | TOTAL | 11,756 | 8,060 | 2,144 | 961 | 300 | 281 | 757 |
| Omaha, Nebr. | 92 | 65 | 18 | 6 | 1 | 2 | 5 |  |  |  |  |  |  |  |  |
| St. Louis, Mo. | 113 | 78 | 18 | 12 | 3 | 2 | 7 |  |  |  |  |  |  |  |  |
| St. Paul, Minn. | 64 | 42 | 11 | 4 | 2 | 5 | 4 |  |  |  |  |  |  |  |  |
| Wichita, Kans. | 89 | 66 | 10 | 8 | 3 | 2 | 2 |  |  |  |  |  |  |  |  |

${ }^{*}$ 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 reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.
${ }^{\dagger}$ Pneumonia and influenza.
${ }^{\S}$ Because of changes in reporting methods in these 3 Pennsylvania cities, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.
TTotal includes unknown ages.

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

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[^0]:    * Single copies of this report will be available until November 22, 1997, from the CDC National AIDS Clearinghouse, P.O. Box 6003, Rockville, MD 20849-6003; telephone (800) 458-5231 or (301) 217-0023.

[^1]:    *Levels of activity are 1) no activity; 2) sporadic-sporadically occurring influenza-like illness (ILI) or culture-confirmed influenza with no outbreaks detected; 3) regional-outbreaks of ILI or culture-confirmed influenza in counties with a combined population of $<50 \%$ of the state's total population; and 4) widespread-outbreaks of ILI or culture-confirmed influenza in counties with a combined population of $\geq 50 \%$ of the state's total population.

[^2]:    * Use of trade names and commercial sources is for identification only and does not imply endorsement by the Public Health Service or the U.S. Department of Health and Human Services.
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