

**MMWR**<sup>TM</sup>  
**MORBIDITY AND MORTALITY  
WEEKLY REPORT**

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### Echovirus Type 13 — United States, 2001

Echoviruses constitute one of the major groups of the genus *Enterovirus* and are associated with illnesses including aseptic meningitis, nonspecific rashes, encephalitis, and myositis (1). Echovirus 13 is an enterovirus that rarely has been detected in the United States, accounting for only 65 of approximately 45,000 enterovirus isolates reported to CDC during 1970–2000. No associated outbreaks have been reported in this country. As of June 2001, eight state public health laboratories and one private laboratory had reported an increased number of echovirus 13 isolates to CDC, most associated with aseptic meningitis. This report summarizes echovirus 13 activity in the United States and highlights the investigation of aseptic meningitis outbreaks in Louisiana, Mississippi, Montana, and Tennessee. Echovirus 13 should be considered in the differential diagnosis of persons with aseptic meningitis.

CDC's National Enterovirus Surveillance System (NESS) relies on voluntary reporting of enterovirus isolates by serotype from state public health laboratories (2). Aseptic meningitis was removed as a nationally notifiable disease in 1995, and no uniform nationally recognized case definition exists for this condition (3). Cases of aseptic meningitis described in this report represent physician diagnoses based on clinical presentation and laboratory findings.

As of August 14, 2001, echovirus 13 has been isolated in specimens from 76 patients in 13 states (Tennessee [26], Mississippi [10], Louisiana [nine], Florida [eight], Texas [six], California [six], Kentucky [three], Ohio [two], Montana [two], and Georgia, Illinois, Indiana, and North Carolina [one each]). Of 76 isolates tested, 51 (67%) were from cerebrospinal fluid (CSF) and 12 (16%) from stool or rectal swabs. The source specimens for these isolates were collected during March–June 2001.

Of the 76 patients, 47 (62%) were male. The patients ranged in age from 2 weeks to 29 years (median age: 7 months). Most (73 [96%]) were aged <15 years, 41 (54%) were infants aged <1 year, and 29 (38%) were aged <3 months.

Clinical diagnoses were reported for 52 (68%) of the 76 patients and included aseptic meningitis (50 patients), febrile illness (one), and diarrhea (one). Of 50 isolates from patients with a diagnosis of aseptic meningitis, 45 were associated with outbreaks of aseptic meningitis in four states (26 from Tennessee, nine from Mississippi, eight from Louisiana, and two from Montana) during April–July 2001.

**Louisiana.** In June, 27 cases of aseptic meningitis among patients admitted to one hospital during May 22–June 20 were reported to the Louisiana Office of Public Health (Table 1), representing a nine-fold increase in the number of aseptic meningitis

*Echovirus Type 13 — Continued***TABLE 1. Number of persons with aseptic meningitis, by selected characteristics — Louisiana, Mississippi, and Montana, 2001**

| Characteristic               | Louisiana<br>(n=27)  |      | Mississippi<br>(n=56) |      | Montana<br>(n=23)     |      |
|------------------------------|----------------------|------|-----------------------|------|-----------------------|------|
|                              | No.                  | (%)  | No.                   | (%)  | No.                   | (%)  |
| <b>Sex</b>                   |                      |      |                       |      |                       |      |
| Male                         | 18                   | (67) | 26                    | (46) | 13                    | (56) |
| Female                       | 9                    | (33) | 30                    | (54) | 10                    | (44) |
| <b>Age group</b>             |                      |      |                       |      |                       |      |
| ≤3 mos                       | 9                    | (33) | 11                    | (20) | 6                     | (26) |
| 4–11 mos                     | 0                    | —    | 3                     | ( 5) | 2                     | ( 9) |
| 1–14 yrs                     | 14                   | (52) | 33                    | (59) | 14                    | (61) |
| ≥15 yrs                      | 4                    | (15) | 9                     | (16) | 1                     | ( 4) |
| <b>Median age (range)</b>    | 7 yrs (3 wks–43 yrs) |      | 6 yrs (3 days–48 yrs) |      | 7 yrs (8 days–23 yrs) |      |
| <b>Enterovirus isolates*</b> |                      |      |                       |      |                       |      |
| <i>Echovirus 13</i>          | 8                    |      | 3                     |      | 2                     |      |
| Total                        | 9                    |      | 9                     |      | 3                     |      |

\* Echovirus 13 was isolated from cerebrospinal fluid (CSF) for all isolates in the Louisiana and Mississippi outbreaks and from rectal swabs for both isolates from Montana. Echovirus 6 was isolated from the CSF of one patient from the Louisiana outbreak. Eight CSF specimens from the Mississippi outbreak tested positive for an enterovirus in a polymerase chain reaction with pan-enterovirus primers. Echovirus 13 was cultured from two of these specimens. Echovirus 25 was isolated from a throat swab of one patient from Montana.

hospitalizations over the same period during 2000. All of the patients resided in three parishes (i.e., counties) in the southeastern part of the state. Of the 27 cases, 20 (74%) occurred in the same parish (hospitalization rate: 20 per 100,000 population). Reported clinical symptoms included fever (94%), headache (77%), vomiting (77%), stiff neck (50%), and photophobia (23%).

**Mississippi.** During May 5–July 31, 56 cases of aseptic meningitis were reported to the Mississippi State Department of Health from one regional medical center (Table 1). Of the 56 patients, 41 (73%) resided in a county adjacent to the Louisiana parish that accounted for most of the cases in Louisiana. The hospitalization rate for this Mississippi county was 111 per 100,000 population. Reported clinical symptoms included fever (75%), headache (70%), vomiting (55%), nausea (52%), and stiff neck (20%).

**Montana.** During June 8–July 11, 23 cases of aseptic meningitis were reported to the Montana Department of Public Health and Human Services (MDPHHS) from a single county in the southeastern part of the state (hospitalization rate: 181 per 100,000 population) (Table 1). Eighteen additional cases of aseptic meningitis reported from a neighboring county since early July are being investigated by MDPHHS.

**Tennessee.** An outbreak of aseptic meningitis involving approximately 250 persons admitted to a hospital in Tennessee since April 2001 is being investigated by the Tennessee State Health Department. Echovirus 13 has been confirmed as the etiologic agent for 33 of 75 cases.

*Echovirus Type 13 — Continued*

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**Editorial Note:** This is the first report of widespread circulation of echovirus 13 and of outbreaks associated with this enterovirus in the United States. Increased echovirus 13 activity also was reported in Europe during 2000 when echovirus 13 was associated for the first time with outbreaks of aseptic meningitis in England, Wales, and Germany (4,5).

Clinical manifestations of enterovirus infections are protean, ranging from asymptomatic carriage to life-threatening illness (6). Because echovirus 13 rarely has been isolated, the spectrum of disease associated with this virus has not been well established. Conditions previously associated with echovirus 13 are typical of enterovirus infections (6) and include asymptomatic carriage (6), mild febrile illness (7), aseptic meningitis (4,5,8,9), respiratory diseases (e.g., coryza, pharyngitis, bronchitis, and bronchiolitis [7,9]), poliomyelitis-like illness (8), diarrhea with fever (7,9), rash (7,9), encephalitis (9), and enteroviral sepsis (9). Aseptic meningitis is the predominant illness that has been associated with the current echovirus 13 activity in the United States and with echovirus activity reported in Europe in 2000. However, patients with meningitis are more likely be tested for enteroviruses than are patients with milder illnesses.

In temperate climates, enteroviruses demonstrate a marked seasonality, with widespread circulation during summer and fall. A typical enterovirus season in the United States lasts from June through October (9). In 2001, the first isolations of echovirus 13 in the United States were reported in March. The reported outbreaks of aseptic meningitis associated with this serotype started early in the enterovirus season.

The age distribution of patients with echovirus 13 isolates and of the other cases involved in the three aseptic meningitis outbreaks indicates that young children are at highest risk for infection. A similar age distribution was observed during the aseptic meningitis outbreak associated with echovirus 13 in Germany in 2000 (5), but the outbreaks in England and Wales predominantly affected older children (4).

In addition to echovirus 13, other enterovirus serotypes have been identified in these outbreaks of aseptic meningitis. The isolation of several enteroviruses in community outbreaks is not unusual because numerous serotypes commonly co-circulate. Predominant enterovirus serotypes tend to change over time (10). In the United States, the serotypes most commonly reported to NESS were echoviruses 30, 6, and 7 in 1997, echoviruses 30, 9, and 11 in 1998, and echoviruses 11, 16, and 9 in 1999 (2). Although the clinical spectrum of diseases associated with various enterovirus serotypes overlap, some manifestations of enterovirus infection are associated commonly with certain serotypes (i.e., aseptic meningitis and echovirus 30, hand-foot-and-mouth disease and coxsackievirus A16, and acute hemorrhagic conjunctivitis and enterovirus 70 and coxsackievirus A24) (6).

*Echovirus Type 13 — Continued*

Enterovirus surveillance is important for understanding circulation patterns of these viruses in the United States. In addition, this information may be helpful for evaluating potential antienterovirus drugs and in understanding the links of enteroviruses with disease. More information is needed to clarify the epidemiologic characteristics and to define better the clinical spectrum of associated diseases.

No specific prevention or control measures are available for nonpolio enteroviruses, including echovirus 13. Adherence to good hygienic practices, such as frequent and thorough hand washing (especially after diaper changes), disinfection of contaminated surfaces by household cleaners (e.g., diluted bleach solution), and avoidance of sharing utensils and drinking containers may be effective in reducing the spread of infection.

*References*

1. Modlin JF. Update on enterovirus infection in infants and children. *Adv Pediatr Infect Dis* 1996;12:161.
2. CDC. Enterovirus surveillance—United States, 1997–1999. *MMWR* 2000;49:913–6.
3. CDC. Summary of notifiable diseases, United States, 1994. *MMWR* 1994;43:1–8.
4. Communicable Disease Surveillance Centre. Viral meningitis associated with increase in echovirus type 13. *Commun Dis Rep CDR Wkly* 2000;10:277,280.
5. Twisselmann B. Cluster of cases of viral meningitis caused by echovirus type 13 in Germany. *Eurosurveillance Weekly* 2000;4. Available at <[http://www.eurosurv.org/2000/pfp/001005\\_pfp.htm](http://www.eurosurv.org/2000/pfp/001005_pfp.htm)>. Accessed September 2001.
6. Melnick J. Enteroviruses: polioviruses, coxsackieviruses, echoviruses, and newer enteroviruses. In: Fields BN, Knippe DM, Howley PM, et al, eds. *Fields Virology*. 3rd ed. Philadelphia, Pennsylvania: Lippincott-Raven Publishers, 1996.
7. Hooft C, Nihoul E, Labmert Y, Valcke R. Clinical findings during an echovirus type 13 endemic infection. *Helvetica Paediatrica Acta* 1963;3:231–9.
8. Hammon WMcD, Yohn DS, Pavia RA, Sather GE. Echovirus type 13: epidemiological and clinical associations. *Amer J Trop Med Hyg* 1961;10:62–6.
9. Moore M. Enteroviral disease in the United States, 1970–1979. *J Infect Dis* 1982;146:103–8.
10. Strikas RA, Anderson LJ, Parker RA. Temporal and geographic patterns of isolates of nonpolio enterovirus in the United States, 1970–1983. *J Infect Dis* 1986;153:346–51.

### **Influence of Homicide on Racial Disparity in Life Expectancy — United States, 1998**

Life expectancy (LE) is an important indicator of the health of populations. Since the early 1900s, when estimates of LE began to be tabulated in the United States, the LE of blacks has been lower than that of whites (1). Homicide, which disproportionately affects blacks, particularly young males, contributes to this difference in LE. To examine the associations between homicide, LE, and race, CDC analyzed 1998 mortality files from the National Center for Health Statistics (NCHS). This report summarizes the results of that analysis, which indicate, that in 1998, the LE for blacks was approximately 6 years shorter than for whites and that, after heart disease and cancer, homicide was the next largest contributor to the 6-year discrepancy. Violence prevention strategies (e.g., programs for youth offenders) have been implemented for the general population. More research is needed to determine an approach to target the male black population and to reduce LE disparity.

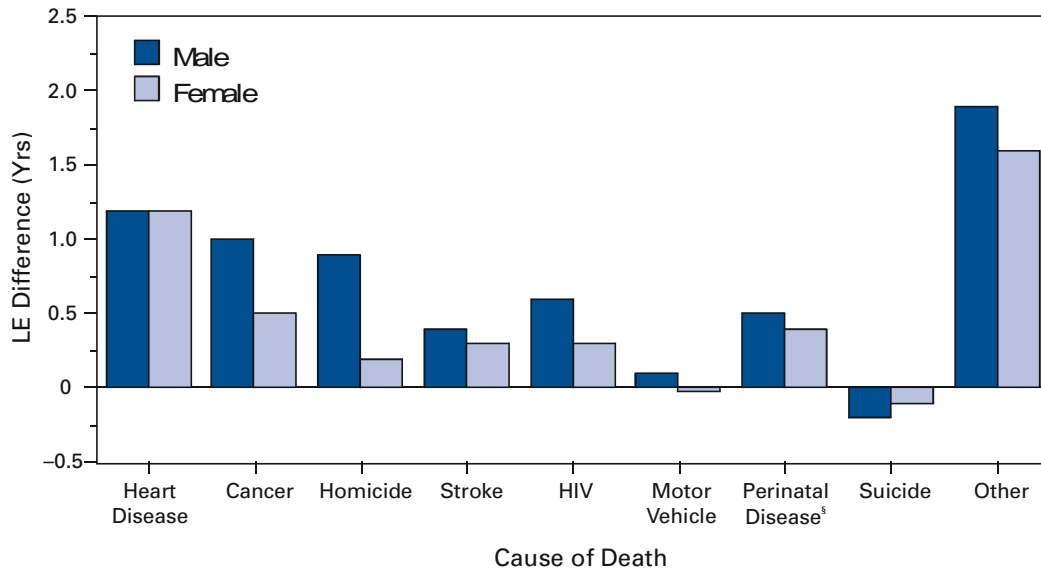
*Influence of Homicide on Racial Disparity — Continued*

NCHS mortality files for 1998 (2) and the multiple-decrement life table (3) were used to examine differences between whites and blacks. These methods were used to partition the contribution to LE at birth by selected causes of death using the *International Classification of Diseases, Ninth Revision, (ICD-9) codes\** for the four major race-sex groups (black-males, black-females, white-males, white-females) in the United States. The contribution in years for each cause of death to the black/white differential and statistical tests of difference (Z-scores) were determined using Survival software (4), with whites as the referent group. Causes of death used were based on the leading causes of death in 1998 for the total population and for both racial populations. Other causes of death were categorized as “all other causes.”

In the United States during 1998, whites lived 6.2 years longer than blacks. Among the leading causes of death that contributed to the difference were heart disease (1.7 years; 27.4%), cancer (1.2 years; 19.4%), homicide (0.6 years; 9.7%), stroke (0.5 years; 8.1%), and “all other causes” (1.9 years; 30.6%). The LE differential was 6.4 years for males and 4.4 years for females. Among males, some of the leading causes of death that contributed to the LE differential were heart disease (1.2 years; 19.0%), cancer (1.0 years; 15.6%), and homicide (0.9 years; 14.1%) (Figure 1), and among females were

\*Codes 042–044; 140–208; 390–398, 402, 404–429; 430–438; 760–779; E950–E959; E810–E825, E958.5, E988.5; E960–E978.

**FIGURE 1. Number of years difference in life expectancy (LE) between blacks and whites\*, by cause of death† and sex — United States, 1998**



\* Above zero indicates greater LE among whites than blacks; below zero indicates greater LE among blacks than whites.

† *International Classification of Diseases, Ninth Revision, codes 042–044; 140–208; 390–398, 402, 404–429; 430–438; 760–779; E950–E959; E810–E825, E958.5, E988.5; E960–E978.*

§ Conditions that occur during the perinatal period include birth trauma, birth asphyxia, ectopic pregnancy, and maternal death.

Source: National Center for Health Statistics mortality data.

*Influence of Homicide on Racial Disparity — Continued*

heart disease (1.2 years; 27.3%), cancer (0.5 years; 11.4%), and perinatal disease (e.g., birth trauma, birth asphyxia, ectopic pregnancy, and maternal death) (0.4 years; 9.1%). Stroke and human immunodeficiency virus (HIV) accounted for 0.3 years (6.8%) and 0.3 years (6.8%), respectively, of the LE differential among females and 0.4 years (6.3%) and 0.6 years (9.4%), respectively, among males. Homicide among black females contributed 0.2 years (4.5%) to the LE differential (Figure 1).

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**Editorial Note:** The findings in this report document racial disparities in LE, which were attributable mainly to blacks having a shorter LE than whites for each examined cause of death (except suicide). For the total U.S. population in 1998, homicide ranked 13th among causes of death (5), accounting for <1% of all deaths. However, homicide accounted for approximately 10% of the LE differential. This finding suggests that causes of death that rank low for the total population may be important targets to address in attempting to eliminate the LE gap between these populations.

During 1985, the U.S. Department of Health and Human Services conducted the first analyses using health indicators that documented the health status of minority populations and found that approximately 60,000 excess deaths (i.e., the difference between the number of deaths observed in a racial/ethnic group and the number of deaths that would have occurred in that group if it had the same death rate as the non-Hispanic white population) occurred among blacks each year in the United States (6). Health disparities between blacks and the general population have been attributed to less access to health care and to health-care coverage. Risk factors for violence include living at or below the poverty level, living in single parent households, and having poor academic performance and/or exposure to neighborhood violence (e.g., gangs) (7).

The 1998 publication of *The Initiative to Eliminate Racial and Ethnic Disparities in Health* indicated a commitment to eliminating longstanding racial/ethnic disparities in health status by 2010. The initiative focuses on six key areas of health that disproportionately affect multiple racial/ethnic minority groups at all ages (8): infant mortality, cancer screening and management, cardiovascular disease, diabetes, HIV, and vaccination coverage. The findings in this report are consistent with previous findings that show homicide to be a leading contributor to the difference in LE between blacks and whites (9) and underscore the need to include homicide among the key areas.

The findings in this report are subject to at least three limitations. First, incorrect diagnoses or errors can result in inaccuracies in death records. Second, although approximately 99% of deaths in the United States are reported systematically (5), denominator data (population estimates) that refer to race or color may be inaccurate (5). Third, several assumptions (e.g., that life expectancy is aged 85 years) that could be technically flawed were made in constructing the life table model in this analysis (3).

Preventing homicide requires integrated approaches from multiple disciplines, including criminal justice, education, social services, community advocacy, and public health. Strategies for preventing violence among youth (e.g., social-cognitive, mentoring, and family-based approaches) have been described in *Best Practices to Prevent Violence by Children and Adolescents: A Sourcebook for Community Action* (10) and in

*Influence of Homicide on Racial Disparity — Continued*

the *Surgeon General's Report on Youth Violence* (7). These prevention programs and strategies could be implemented by educators, public health practitioners, and law enforcement agencies to target black males. Reducing the racial LE differential in homicide will improve the health of blacks in the United States and thus reduce racial disparities in health.

*References*

1. National Center for Health Statistics. Life expectancy at birth, by race and sex, selected years 1929–97. Available at <[http://www.cdc/nchs/fastats/pdf/47\\_28t12.pdf](http://www.cdc/nchs/fastats/pdf/47_28t12.pdf)>. Accessed September 2001.
2. US Department of Health and Human Services, National Center for Health Statistics. Vital statistics mortality data, underlying cause death, 1998. [Machine-readable public-use data tapes]. Hyattsville, Maryland: US Department of Health and Human Services, CDC, National Center for Health Statistics, 2001.
3. Arriaga EE. Measuring and explaining the change in life expectancies. *Demography* 1984;21:83–96.
4. Smith DP. Survival program 4.1, and users' guide. Austin, Texas: University of Texas School of Public Health, 1995.
5. Murphy SL. Deaths: final data for 1998. Monthly vital statistics report; vol. 48, no. 11. Hyattsville, Maryland: US Department of Health and Human Services, CDC, National Center for Health Statistics, 2000.
6. US Department of Health and Human Services. Report of the Secretary's Task Force on Black and Minority Health. Bethesda, Maryland: US Department of Health and Human Services, August 1985.
7. US Department of Health and Human Services. Youth violence: a report of the Surgeon General. Rockville, Maryland: US Department of Health and Human Services, CDC, National Center for Injury Prevention and Control; Substance Abuse and Mental Health Services Administration, Center for Mental Health Services; and National Institutes of Health, National Institute of Mental Health, 2000. Available at <<http://www.surgeongeneral.gov/library/youthviolence>>. Accessed September 2001.
8. US Department of Health and Human Services. Race and health initiative. Available at <<http://raceandhealth.hhs.gov>>. Accessed September 2001.
9. Kochanek KD, Maurer JD, Rosenberg HM. Why did black life expectancy decline from 1984 through 1989 in the United States? *Am J Public Health* 1994;84:938–44.
10. Thornton TN, Craft CA, Dahlberg LL, Lynch BS, Bear K. Best practices to prevent violence by children and adolescents: a sourcebook for community action. Atlanta, Georgia: US Department of Health and Human Services, CDC, National Center for Injury Prevention and Control, 2000.

*Notice to Readers***Decreased Availability of Pneumococcal Conjugate Vaccine**

In February 2000, Prevnar™, the new 7-valent pneumococcal conjugate vaccine (PCV7) marketed by Wyeth Lederle Vaccines (Pearl River, New York) was licensed for use among infants and young children. CDC recommends this vaccine for all children aged <2 years and for children aged 2–5 years who are at increased risk for pneumococcal disease (e.g., children with sickle cell disease or anatomic asplenia, chronic illness,

*Notice to Readers — Continued*

or who are immunosuppressed, including those with human immunodeficiency virus infection) (1). In August 2001, deliveries of Prevnar™ were delayed resulting in shortages for some health-care providers and health departments. Although the manufacturer projects shipping sufficient vaccine to meet needs throughout the remainder of 2001 and has sufficient manufacturing capacity to meet U.S. demand, health-care providers may continue to experience temporary shortages as supplies are replenished. In the meantime, CDC recommends that all providers defer the vaccination of children aged >2 years except those aged 2–5 years who are at increased risk for pneumococcal disease (see previous examples) (1). Providers should give highest priority to vaccinating all infants aged <12 months and children aged 1–5 years at increased risk. Catch-up vaccinations for healthy children aged 1–2 years and booster doses for healthy children who have completed the primary series may be deferred. Records should be kept so that the deferred vaccinations can be given when vaccine becomes available.

*Reference*

1. CDC. Preventing pneumococcal disease among infants and young children: recommendations of the Advisory Committee on Immunization Practices (ACIP). MMWR 2000;49(no. RR-9).

*Notice to Readers***Publication of Health, United States, 2001  
with Urban and Rural Health Chartbook**

CDC has published *Health, United States, 2001 with Urban and Rural Health Chartbook*, the 25th edition of the annual report on the nation's health. This report includes 148 trend tables organized around four broad subject areas: health status and determinants, health-care use, health-care resources, and health-care expenditures. Disparities in health by race/ethnicity and socioeconomic status are presented in several tables.

This year's report also includes the *Urban and Rural Health Chartbook*. Communities at different urbanization levels differ in their demographic, environmental, economic, and social characteristics, and these characteristics influence the magnitude and types of health problems that communities face. The chartbook presents population characteristics, health risk factors, health status indicators, and health-care access measures for residents of counties grouped by five urbanization levels (from the most urban to the most rural). Of U.S. residents examined, those who have the best health measures are residents of fringe counties of large metropolitan areas. In comparison, the urbanization level associated with adverse health measures is less consistent. Residents of the most rural counties fare worst on some measures (e.g., motor vehicle traffic-related injury mortality) and residents of the most urban counties fare worst on other measures (e.g., homicide).

Additional information about the report is available at <<http://www.cdc.gov/nchs>> (click on "Top 10 Links" to locate "Health, United States"). Print copies may be purchased from the Government Printing Office, telephone: (202) 512-1800; website: <<http://bookstore.gpo.gov/index.html>>.



Notice to Readers — Continued

Notice to Readers

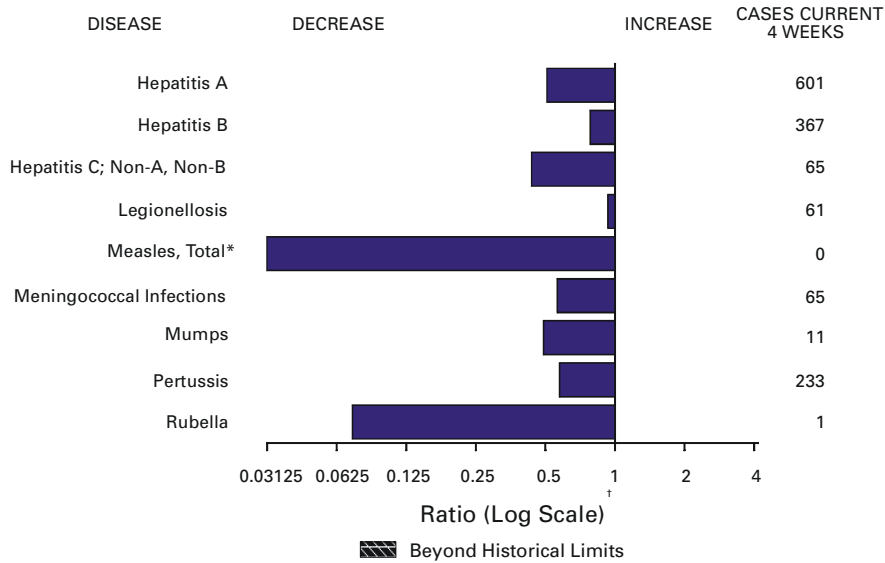
**Satellite Broadcast on Immunization**

*Immunization Update 2001*, a live interactive satellite broadcast, will be held Thursday, September 20, 2001, from 9–11:30 a.m. eastern daylight time with a repeat broadcast from 12–2:30 p.m. This broadcast will provide up-to-date information on the changing field of immunization. Topics include pneumococcal conjugate vaccine; influenza vaccine (including vaccine supply and recommendations for the 2001–02 influenza season); national shortage of tetanus and diphtheria toxoids; meningococcal vaccine; hepatitis B vaccine for adolescents; global polio eradication; and recent vaccine safety issues. Both broadcasts will feature a question and answer session in which participants nationwide can interact with the course instructors via toll-free telephone lines. Continuing education credits will be offered for a variety of professions based on 2.5 hours of instruction.

This broadcast has been designed for physicians, nurses, physician assistants, nurse practitioners, pharmacists, medical students, and others who provide immunizations and counsel patients about immunization. Online registration information is available at <http://www.phppo.cdc.gov/phtnonline/> or by fax, telephone (888) 232-3299 or (877) 232-1010 and request document number 130024 (for sites) or number 130021 (for individual registration). Questions about the broadcast should be directed to Craig Wilkins, telephone (404) 639-8799, or email [ckw4@cdc.gov](mailto:ckw4@cdc.gov). For questions about registration, call (800) 418-7246 (800 41-[TRAIN]).



**FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals ending September 8, 2001, with historical data**



\* No measles cases were reported for the current 4-week period yielding a ratio for week 36 of zero (0).

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

**TABLE I. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending September 8, 2001 (36th Week)\***

|   | Cum. 2001 |   | Cum. 2001 |
|---|-----------|---|-----------|
| Anthrax   | -         | Poliomyelitis, paralytic                        | -         |
| Brucellosis <sup>†</sup>                              | 55        | Psittacosis <sup>†</sup>                        | 9         |
| Cholera   | 3         | Q fever <sup>†</sup>                            | 16        |
| Cyclosporiasis <sup>†</sup>                           | 112       | Rabies, human                                   | 1         |
| Diphtheria  | 1         | Rocky Mountain spotted fever (RMSF)             | 336       |
| Ehrlichiosis: human granulocytic (HGE) <sup>†</sup>   | 130       | Rubella, congenital syndrome                    | -         |
| human monocytic (HME) <sup>†</sup>                    | 56        | Streptococcal disease, invasive, group A        | 2,632     |
| Encephalitis: California serogroup viral <sup>†</sup> | 28        | Streptococcal toxic-shock syndrome <sup>†</sup> | 44        |
| eastern equine <sup>†</sup>                           | 4         | Syphilis, congenital <sup>†</sup>               | 164       |
| St. Louis <sup>†</sup>                                | 1         | Tetanus   | 21        |
| western equine <sup>†</sup>                           | -         | Toxic-shock syndrome                            | 84        |
| Hansen disease (leprosy) <sup>†</sup>                 | 54        | Trichinosis                                     | 15        |
| Hantavirus pulmonary syndrome <sup>†</sup>            | 5         | Tularemia <sup>†</sup>                          | 73        |
| Hemolytic uremic syndrome, postdiarrheal <sup>†</sup> | 82        | Typhoid fever                                   | 182       |
| HIV infection, pediatric <sup>‡§</sup>                | 131       | Yellow fever                                    | -         |
| Plague  | 2         |   |           |

-: No reported cases.

\* Incidence data for reporting year 2001 are provisional and cumulative (year-to-date).

† Not notifiable in all states.

§ Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP). Last update August 28, 2001.

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

**TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending September 8, 2001, and September 9, 2000 (36th Week)\***

| Reporting Area | AIDS                   |           | Chlamydia <sup>§</sup> |           | Cryptosporidiosis |           | <i>Escherichia coli</i> O157:H7 <sup>†</sup> |           |           |           |
|----------------|------------------------|-----------|------------------------|-----------|-------------------|-----------|--|-----------|-----------|-----------|
|                | Cum. 2001 <sup>†</sup> | Cum. 2000 | Cum. 2001              | Cum. 2000 | Cum. 2001         | Cum. 2000 | NETSS  |           | PHLIS     |           |
|                |                        |           |                        |           |                   |           | Cum. 2001                                    | Cum. 2000 | Cum. 2001 | Cum. 2000 |
| UNITED STATES  | 25,869                 | 26,230    | 463,660                | 474,745   | 1,586             | 1,661     | 1,695  | 3,060     | 1,343     | 2,644     |
| NEW ENGLAND    | 996                    | 1,418     | 15,248                 | 16,041    | 74                | 89        | 167  | 274       | 157       | 296       |
| Maine          | 26                     | 25        | 668                    | 985       | 11                | 13        | 23   | 19        | 22        | 25        |
| N.H.           | 27                     | 25        | 809                    | 708       | 4                 | 13        | 24   | 26        | 21        | 31        |
| Vt.            | 11                     | 27        | 418                    | 367       | 25                | 19        | 11   | 27        | 5         | 29        |
| Mass.          | 541                    | 889       | 6,857                  | 6,754     | 27                | 28        | 85   | 130       | 77        | 133       |
| R.I.           | 72                     | 61        | 2,005                  | 1,764     | 3                 | 2         | 9  | 11        | 7         | 12        |
| Conn.          | 319                    | 391       | 4,491                  | 5,463     | 4                 | 14        | 15   | 61        | 25        | 66        |
| MID. ATLANTIC  | 5,634                  | 5,811     | 51,772                 | 44,148    | 173               | 241       | 130  | 311       | 122       | 219       |
| Upstate N.Y.   | 697                    | 607       | 9,131                  | 1,042     | 68                | 63        | 91   | 192       | 85        | 39        |
| N.Y. City      | 2,742                  | 3,135     | 20,641                 | 18,176    | 68                | 128       | 8  | 19        | 8         | 14        |
| N.J.           | 1,194                  | 1,153     | 8,099                  | 7,941     | 7                 | 12        | 31   | 100       | 29        | 98        |
| Pa.            | 1,001                  | 916       | 13,901                 | 16,989    | 30                | 38        | N  | N         | -         | 68        |
| E.N. CENTRAL   | 1,922                  | 2,457     | 70,135                 | 81,853    | 534               | 499       | 412  | 750       | 282       | 561       |
| Ohio           | 367                    | 388       | 13,962                 | 21,362    | 115               | 74        | 106  | 159       | 84        | 166       |
| Ind.           | 225                    | 250       | 9,605                  | 8,991     | 49                | 32        | 52   | 87        | 32        | 69        |
| Ill.           | 882                    | 1,364     | 18,342                 | 22,904    | 1                 | 70        | 100  | 153       | 80        | 120       |
| Mich.          | 328                    | 331       | 20,349                 | 17,458    | 117               | 64        | 63   | 92        | 50        | 77        |
| Wis.           | 120                    | 124       | 7,877                  | 11,138    | 252               | 259       | 91   | 259       | 36        | 129       |
| W.N. CENTRAL   | 571                    | 612       | 23,187                 | 26,729    | 221               | 174       | 265  | 434       | 233       | 443       |
| Minn.          | 104                    | 115       | 4,469                  | 5,453     | 99                | 21        | 92   | 102       | 98        | 136       |
| Iowa           | 63                     | 65        | 1,858                  | 3,710     | 62                | 50        | 56   | 127       | 39        | 113       |
| Mo.            | 271                    | 285       | 9,007                  | 9,070     | 28                | 22        | 34   | 86        | 49        | 79        |
| N. Dak.        | 2                      | 2         | 599                    | 625       | 7                 | 9         | 12   | 14        | 21        | 17        |
| S. Dak.        | 19                     | 6         | 1,225                  | 1,243     | 6                 | 12        | 25   | 35        | 19        | 43        |
| Nebr.          | 49                     | 43        | 2,112                  | 2,516     | 18                | 51        | 32   | 50        | -         | 43        |
| Kans.          | 63                     | 96        | 3,917                  | 4,112     | 1                 | 9         | 14   | 20        | 7         | 12        |
| S. ATLANTIC    | 8,247                  | 7,194     | 88,216                 | 89,408    | 212               | 260       | 152  | 239       | 99        | 226       |
| Del.           | 185                    | 131       | 1,912                  | 1,975     | 2                 | 5         | 3  | 1         | 4         | 1         |
| Md.            | 1,089                  | 842       | 7,760                  | 9,462     | 29                | 9         | 14   | 22        | 1         | 1         |
| D.C.           | 591                    | 499       | 1,869                  | 2,135     | 10                | 7         | -  | -         | U         | U         |
| Va.            | 673                    | 461       | 12,738                 | 10,852    | 15                | 12        | 39   | 49        | 30        | 48        |
| W. Va.         | 58                     | 42        | 1,544                  | 1,463     | 2                 | 3         | 9  | 12        | 6         | 7         |
| N.C.           | 574                    | 431       | 14,059                 | 15,431    | 19                | 19        | 35   | 53        | 26        | 56        |
| S.C.           | 500                    | 530       | 7,990                  | 6,311     | -                 | -         | 7  | 16        | 9         | 13        |
| Ga.            | 935                    | 873       | 17,522                 | 19,146    | 78                | 100       | 20   | 35        | 13        | 36        |
| Fla.           | 3,642                  | 3,385     | 22,822                 | 22,633    | 57                | 105       | 25   | 51        | 10        | 64        |
| E.S. CENTRAL   | 1,279                  | 1,295     | 32,686                 | 34,747    | 33                | 37        | 86   | 95        | 79        | 83        |
| Ky.            | 245                    | 146       | 6,134                  | 5,399     | 3                 | 5         | 41   | 28        | 39        | 25        |
| Tenn.          | 408                    | 531       | 9,857                  | 9,764     | 10                | 9         | 26   | 42        | 30        | 42        |
| Ala.           | 308                    | 337       | 8,841                  | 11,092    | 11                | 12        | 12   | 6         | 6         | 7         |
| Miss.          | 318                    | 281       | 7,854                  | 8,492     | 9                 | 11        | 7  | 19        | 4         | 9         |
| W.S. CENTRAL   | 2,836                  | 2,667     | 69,172                 | 71,555    | 22                | 93        | 45   | 194       | 59        | 235       |
| Ark.           | 144                    | 126       | 4,940                  | 4,588     | 5                 | 8         | 7  | 50        | -         | 34        |
| La.            | 602                    | 443       | 11,314                 | 12,811    | 7                 | 10        | 3  | 13        | 24        | 38        |
| Okla.          | 172                    | 219       | 7,147                  | 6,014     | 8                 | 9         | 18   | 13        | 20        | 11        |
| Tex.           | 1,918                  | 1,879     | 45,771                 | 48,142    | 2                 | 66        | 17   | 118       | 15        | 152       |
| MOUNTAIN       | 955                    | 1,006     | 26,696                 | 27,226    | 106               | 85        | 188  | 292       | 100       | 217       |
| Mont.          | 14                     | 10        | 1,349                  | 1,016     | 8                 | 8         | 11   | 26        | -         | -         |
| Idaho          | 17                     | 16        | 1,211                  | 1,255     | 12                | 6         | 38   | 45        | -         | 28        |
| Wyo.           | 2                      | 7         | 576                    | 539       | 2                 | 5         | 7  | 13        | 1         | 9         |
| Colo.          | 197                    | 239       | 5,284                  | 8,050     | 29                | 36        | 69   | 110       | 54        | 78        |
| N. Mex.        | 84                     | 107       | 4,104                  | 3,366     | 18                | 9         | 10   | 15        | 8         | 14        |
| Ariz.          | 395                    | 318       | 9,684                  | 8,758     | 6                 | 8         | 20   | 36        | 12        | 27        |
| Utah           | 84                     | 97        | 1,454                  | 1,569     | 27                | 10        | 22   | 37        | 24        | 51        |
| Nev.           | 162                    | 212       | 3,034                  | 2,673     | 4                 | 3         | 11   | 10        | 1         | 10        |
| PACIFIC        | 3,429                  | 3,770     | 86,548                 | 83,038    | 211               | 183       | 250  | 471       | 212       | 364       |
| Wash.          | 371                    | 332       | 9,300                  | 8,933     | 37                | U         | 65   | 141       | 62        | 161       |
| Oreg.          | 134                    | 113       | 3,212                  | 4,688     | 24                | 13        | 40   | 102       | 27        | 95        |
| Calif.         | 2,871                  | 3,224     | 69,676                 | 65,286    | 146               | 170       | 129  | 190       | 119       | 95        |
| Alaska         | 15                     | 15        | 1,841                  | 1,692     | 1                 | -         | 4  | 25        | -         | 3         |
| Hawaii         | 38                     | 86        | 2,519                  | 2,439     | 3                 | -         | 12   | 13        | 4         | 10        |
| Guam           | 10                     | 13        | -                      | 341       | -                 | -         | N  | N         | U         | U         |
| P.R.           | 816                    | 759       | 1,764                  | U         | -                 | -         | 1  | 6         | U         | U         |
| V.I.           | 2                      | 25        | 53                     | -         | -                 | -         | -  | -         | U         | U         |
| Amer. Samoa    | -                      | -         | U                      | U         | U                 | U         | U  | U         | U         | U         |
| C.N.M.I.       | -                      | -         | 85                     | U         | -                 | U         | -  | U         | U         | U         |

N: Not notifiable. U: Unavailable. -: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands.

\*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

<sup>†</sup> Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

<sup>§</sup> Chlamydia refers to genital infections caused by *C. trachomatis*.

<sup>†</sup> Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update August 28, 2001.

**TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending September 8, 2001, and September 9, 2000 (36th Week)\***

| Reporting Area | Gonorrhea    |              | Hepatitis C:<br>Non-A, Non-B |              | Legionellosis |              | Listeriosis  | Lyme Disease |              |
|----------------|--------------|--------------|------------------------------|--------------|---------------|--------------|--------------|--------------|--------------|
|                | Cum.<br>2001 | Cum.<br>2000 | Cum.<br>2001                 | Cum.<br>2000 | Cum.<br>2001  | Cum.<br>2000 | Cum.<br>2001 | Cum.<br>2001 | Cum.<br>2000 |
| UNITED STATES  | 213,146      | 241,110      | 2,344                        | 2,245        | 635           | 680          | 308          | 7,130        | 11,321       |
| NEW ENGLAND    | 4,283        | 4,571        | 14                           | 22           | 35            | 39           | 32           | 2,168        | 3,457        |
| Maine          | 79           | 60           | -                            | 2            | 5             | 2            | -            | -            | -            |
| N.H.           | 107          | 74           | -                            | -            | 8             | 2            | 2            | 88           | 41           |
| Vt.            | 48           | 44           | 6                            | 4            | 4             | 3            | 2            | 7            | 26           |
| Mass.          | 2,089        | 1,843        | 8                            | 11           | 9             | 15           | 16           | 472          | 999          |
| R.I.           | 526          | 429          | -                            | 5            | 2             | 3            | 1            | 267          | 213          |
| Conn.          | 1,434        | 2,121        | -                            | -            | 7             | 14           | 11           | 1,334        | 2,178        |
| MID. ATLANTIC  | 25,925       | 25,626       | 981                          | 499          | 130           | 184          | 49           | 3,561        | 5,955        |
| Upstate N.Y.   | 5,537        | 4,817        | 42                           | 26           | 39            | 47           | 20           | 1,978        | 2,264        |
| N.Y. City      | 8,627        | 7,744        | -                            | -            | 13            | 27           | 8            | 2            | 154          |
| N.J.           | 4,983        | 5,076        | 896                          | 438          | 7             | 17           | 10           | 448          | 2,170        |
| Pa.            | 6,778        | 7,989        | 43                           | 35           | 71            | 93           | 11           | 1,133        | 1,367        |
| E.N. CENTRAL   | 37,698       | 48,950       | 123                          | 175          | 155           | 181          | 35           | 391          | 678          |
| Ohio           | 7,674        | 13,035       | 8                            | 8            | 83            | 71           | 11           | 95           | 47           |
| Ind.           | 4,047        | 4,224        | 1                            | -            | 14            | 27           | 4            | 16           | 19           |
| Ill.           | 11,555       | 14,378       | 11                           | 17           | -             | 24           | 1            | -            | 33           |
| Mich.          | 11,646       | 12,519       | 103                          | 150          | 36            | 31           | 17           | 1            | 21           |
| Wis.           | 2,776        | 4,794        | -                            | -            | 22            | 28           | 2            | 279          | 558          |
| W.N. CENTRAL   | 9,852        | 11,869       | 482                          | 404          | 42            | 44           | 11           | 262          | 184          |
| Minn.          | 1,445        | 2,193        | 7                            | 5            | 9             | 3            | -            | 215          | 100          |
| Iowa           | 428          | 826          | -                            | 1            | 6             | 11           | 1            | 25           | 23           |
| Mo.            | 5,364        | 5,770        | 465                          | 388          | 17            | 21           | 6            | 17           | 43           |
| N. Dak.        | 19           | 51           | -                            | -            | 1             | -            | -            | -            | 1            |
| S. Dak.        | 188          | 198          | -                            | -            | 3             | 2            | -            | -            | -            |
| Nebr.          | 700          | 985          | 3                            | 3            | 5             | 3            | 1            | 3            | 3            |
| Kans.          | 1,708        | 1,846        | 7                            | 7            | 1             | 4            | 3            | 2            | 14           |
| S. ATLANTIC    | 54,612       | 63,088       | 81                           | 68           | 133           | 117          | 51           | 598          | 861          |
| Del.           | 1,122        | 1,150        | -                            | 2            | 3             | 6            | -            | 31           | 167          |
| Md.            | 4,277        | 6,455        | 14                           | 9            | 28            | 42           | 9            | 390          | 509          |
| D.C.           | 1,714        | 1,687        | -                            | 3            | 7             | -            | -            | 8            | 3            |
| Va.            | 7,611        | 6,856        | -                            | 3            | 18            | 23           | 9            | 98           | 108          |
| W. Va.         | 423          | 454          | 9                            | 13           | N             | N            | 5            | 10           | 23           |
| N.C.           | 11,483       | 12,721       | 16                           | 13           | 7             | 11           | 2            | 29           | 37           |
| S.C.           | 5,465        | 5,805        | 5                            | 1            | 6             | 4            | 4            | 3            | 4            |
| Ga.            | 9,580        | 12,216       | -                            | 3            | 9             | 6            | 8            | -            | -            |
| Fla.           | 12,937       | 15,744       | 37                           | 21           | 55            | 25           | 14           | 29           | 10           |
| E. S. CENTRAL  | 21,095       | 25,079       | 160                          | 334          | 43            | 25           | 16           | 36           | 36           |
| Ky.            | 2,424        | 2,354        | 6                            | 29           | 9             | 14           | 4            | 18           | 6            |
| Tenn.          | 6,579        | 7,850        | 51                           | 70           | 21            | 8            | 7            | 11           | 22           |
| Ala.           | 6,896        | 8,583        | 3                            | 7            | 11            | 2            | 5            | 7            | 5            |
| Miss.          | 5,196        | 6,292        | 100                          | 228          | 2             | 1            | -            | -            | 3            |
| W.S. CENTRAL   | 33,971       | 37,653       | 165                          | 550          | 5             | 20           | 6            | 7            | 61           |
| Ark.           | 3,098        | 2,625        | 3                            | 7            | -             | -            | 1            | -            | 5            |
| La.            | 7,848        | 9,362        | 78                           | 305          | 2             | 7            | -            | 1            | 6            |
| Okla.          | 3,302        | 2,593        | 3                            | 6            | 3             | 2            | 2            | -            | -            |
| Tex.           | 19,723       | 23,073       | 81                           | 232          | -             | 11           | 3            | 6            | 50           |
| MOUNTAIN       | 6,785        | 7,152        | 238                          | 57           | 40            | 26           | 27           | 11           | 7            |
| Mont.          | 78           | 28           | 1                            | 4            | -             | 1            | -            | -            | -            |
| Idaho          | 53           | 60           | 2                            | 3            | 2             | 4            | 1            | 5            | 1            |
| Wyo.           | 49           | 37           | 191                          | 2            | 4             | -            | 1            | 3            | 3            |
| Colo.          | 2,054        | 2,150        | 16                           | 12           | 11            | 9            | 6            | 1            | -            |
| N. Mex.        | 667          | 747          | 11                           | 12           | 2             | 1            | 6            | -            | -            |
| Ariz.          | 2,677        | 2,956        | 9                            | 13           | 11            | 6            | 6            | -            | -            |
| Utah           | 116          | 162          | 2                            | -            | 7             | 5            | 1            | 1            | 1            |
| Nev.           | 1,091        | 1,012        | 6                            | 11           | 3             | -            | 6            | 1            | 2            |
| PACIFIC        | 18,925       | 17,122       | 100                          | 136          | 52            | 44           | 81           | 96           | 82           |
| Wash.          | 2,077        | 1,551        | 16                           | 23           | 7             | 14           | 7            | 7            | 6            |
| Oreg.          | 461          | 635          | 12                           | 22           | N             | N            | 3            | 6            | 6            |
| Calif.         | 15,708       | 14,388       | 72                           | 89           | 41            | 30           | 67           | 81           | 68           |
| Alaska         | 271          | 224          | -                            | -            | -             | -            | -            | 2            | 2            |
| Hawaii         | 408          | 324          | -                            | 2            | 4             | -            | 4            | N            | N            |
| Guam           | -            | 35           | -                            | 2            | -             | -            | -            | -            | -            |
| P.R.           | 399          | 361          | 1                            | 1            | 2             | 1            | -            | N            | N            |
| V.I.           | 6            | -            | -                            | -            | -             | -            | -            | -            | -            |
| Amer. Samoa    | U            | U            | U                            | U            | U             | U            | -            | U            | U            |
| C.N.M.I.       | 7            | U            | -                            | U            | -             | U            | -            | -            | U            |

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

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**TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending September 8, 2001, and September 9, 2000 (36th Week)\***

| Reporting Area | Malaria      |              | Rabies, Animal |              | Salmonellosis <sup>†</sup> |              |              |              |
|----------------|--------------|--------------|----------------|--------------|----------------------------|--------------|--------------|--------------|
|                | Cum.<br>2001 | Cum.<br>2000 | Cum.<br>2001   | Cum.<br>2000 | NETSS                      |              | PHLIS        |              |
|                |              |              |                |              | Cum.<br>2001               | Cum.<br>2000 | Cum.<br>2001 | Cum.<br>2000 |
| UNITED STATES  | 780          | 988          | 4,267          | 4,898        | 22,683                     | 25,703       | 18,195       | 22,433       |
| NEW ENGLAND    | 47           | 51           | 477            | 563          | 1,582                      | 1,585        | 1,518        | 1,651        |
| Maine          | 4            | 5            | 47             | 94           | 144                        | 93           | 121          | 77           |
| N.H.           | 2            | 1            | 16             | 9            | 130                        | 97           | 120          | 99           |
| Vt.            | 1            | 2            | 47             | 44           | 52                         | 88           | 45           | 92           |
| Mass.          | 16           | 22           | 183            | 194          | 961                        | 942          | 801          | 945          |
| R.I.           | 6            | 5            | 43             | 40           | 87                         | 83           | 114          | 120          |
| Conn.          | 18           | 16           | 141            | 182          | 208                        | 282          | 317          | 318          |
| MID. ATLANTIC  | 203          | 254          | 855            | 884          | 2,952                      | 3,441        | 2,554        | 3,674        |
| Upstate N.Y.   | 45           | 47           | 550            | 569          | 819                        | 806          | 816          | 921          |
| N.Y. City      | 105          | 138          | 22             | 8            | 750                        | 871          | 790          | 920          |
| N.J.           | 25           | 39           | 136            | 120          | 651                        | 847          | 527          | 711          |
| Pa.            | 28           | 30           | 147            | 187          | 732                        | 917          | 421          | 1,122        |
| E.N. CENTRAL   | 74           | 108          | 95             | 124          | 3,271                      | 3,596        | 2,690        | 2,453        |
| Ohio           | 21           | 15           | 36             | 40           | 977                        | 888          | 795          | 1,045        |
| Ind.           | 14           | 5            | 1              | -            | 354                        | 433          | 310          | 447          |
| Ill.           | 1            | 54           | 16             | 19           | 819                        | 1,133        | 704          | 1            |
| Mich.          | 25           | 22           | 36             | 54           | 570                        | 624          | 566          | 672          |
| Wis.           | 13           | 12           | 6              | 11           | 551                        | 518          | 315          | 288          |
| W.N. CENTRAL   | 27           | 39           | 252            | 423          | 1,471                      | 1,655        | 1,518        | 1,809        |
| Minn.          | 6            | 13           | 30             | 65           | 386                        | 380          | 474          | 494          |
| Iowa           | 5            | 2            | 62             | 62           | 228                        | 251          | 209          | 243          |
| Mo.            | 9            | 9            | 33             | 38           | 425                        | 497          | 549          | 602          |
| N. Dak.        | -            | 2            | 29             | 98           | 43                         | 47           | 59           | 58           |
| S. Dak.        | -            | -            | 25             | 78           | 114                        | 68           | 92           | 79           |
| Nebr.          | 2            | 7            | 4              | 1            | 105                        | 150          | -            | 115          |
| Kans.          | 5            | 6            | 69             | 81           | 170                        | 262          | 135          | 218          |
| S. ATLANTIC    | 210          | 216          | 1,491          | 1,684        | 5,625                      | 5,004        | 3,818        | 4,123        |
| Del.           | 1            | 3            | 25             | 31           | 58                         | 82           | 61           | 94           |
| Md.            | 89           | 75           | 185            | 299          | 583                        | 549          | 603          | 497          |
| D.C.           | 13           | 13           | -              | -            | 57                         | 39           | U            | U            |
| Va.            | 41           | 42           | 298            | 409          | 972                        | 682          | 678          | 665          |
| W. Va.         | 1            | 2            | 107            | 89           | 85                         | 113          | 92           | 110          |
| N.C.           | 11           | 21           | 420            | 413          | 818                        | 689          | 723          | 767          |
| S.C.           | 5            | 2            | 90             | 113          | 575                        | 510          | 459          | 389          |
| Ga.            | 12           | 15           | 224            | 218          | 873                        | 852          | 884          | 1,239        |
| Fla.           | 37           | 43           | 142            | 112          | 1,604                      | 1,488        | 318          | 362          |
| E.S. CENTRAL   | 22           | 33           | 154            | 140          | 1,516                      | 1,531        | 1,057        | 1,219        |
| Ky.            | 8            | 11           | 16             | 18           | 241                        | 261          | 143          | 191          |
| Tenn.          | 8            | 8            | 87             | 75           | 411                        | 402          | 452          | 546          |
| Ala.           | 4            | 13           | 51             | 46           | 441                        | 439          | 328          | 400          |
| Miss.          | 2            | 1            | -              | 1            | 423                        | 429          | 134          | 82           |
| W.S. CENTRAL   | 10           | 61           | 510            | 650          | 1,595                      | 3,225        | 1,297        | 1,956        |
| Ark.           | 3            | 3            | 20             | 20           | 499                        | 453          | 92           | 373          |
| La.            | 4            | 10           | -              | 3            | 272                        | 532          | 458          | 430          |
| Okla.          | 2            | 5            | 48             | 45           | 278                        | 273          | 236          | 211          |
| Tex.           | 1            | 43           | 442            | 582          | 546                        | 1,967        | 511          | 942          |
| MOUNTAIN       | 35           | 35           | 186            | 201          | 1,463                      | 1,871        | 1,080        | 1,828        |
| Mont.          | 2            | 1            | 31             | 53           | 50                         | 69           | -            | -            |
| Idaho          | 3            | 2            | 15             | 9            | 101                        | 91           | 4            | 83           |
| Wyo.           | -            | -            | 21             | 43           | 44                         | 49           | 43           | 40           |
| Colo.          | 18           | 18           | -              | -            | 406                        | 516          | 360          | 510          |
| N. Mex.        | 3            | -            | 11             | 17           | 192                        | 167          | 146          | 155          |
| Ariz.          | 3            | 6            | 100            | 68           | 415                        | 447          | 368          | 506          |
| Utah           | 3            | 4            | 7              | 9            | 155                        | 341          | 136          | 358          |
| Nev.           | 3            | 4            | 1              | 2            | 100                        | 191          | 23           | 176          |
| PACIFIC        | 152          | 191          | 247            | 229          | 3,208                      | 3,795        | 2,663        | 3,720        |
| Wash.          | 5            | 22           | -              | -            | 355                        | 361          | 491          | 485          |
| Oreg.          | 9            | 31           | 1              | 7            | 171                        | 219          | 230          | 274          |
| Calif.         | 129          | 128          | 209            | 197          | 2,399                      | 3,016        | 1,701        | 2,770        |
| Alaska         | 1            | -            | 37             | 25           | 28                         | 39           | 2            | 25           |
| Hawaii         | 8            | 10           | -              | -            | 255                        | 160          | 239          | 166          |
| Guam           | -            | 2            | -              | -            | -                          | 20           | U            | U            |
| P.R.           | 3            | 4            | 67             | 58           | 405                        | 436          | U            | U            |
| V.I.           | -            | -            | -              | -            | -                          | -            | U            | U            |
| Amer. Samoa    | U            | U            | U              | U            | U                          | U            | U            | U            |
| C.N.M.I.       | -            | U            | -              | U            | 8                          | U            | U            | U            |

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

\*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

<sup>†</sup> Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

**TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending September 8, 2001, and September 9, 2000 (36th Week)\***

| Reporting Area | Shigellosis <sup>†</sup> |              |              |              | Syphilis<br>(Primary & Secondary) |              | Tuberculosis |              |
|----------------|--------------------------|--------------|--------------|--------------|-----------------------------------|--------------|--------------|--------------|
|                | NETSS                    |              | PHLIS        |              | Cum.<br>2001                      | Cum.<br>2000 | Cum.<br>2001 | Cum.<br>2000 |
|                | Cum.<br>2001             | Cum.<br>2000 | Cum.<br>2001 | Cum.<br>2000 |                                   |              |              |              |
| UNITED STATES  | 11,017                   | 15,046       | 5,227        | 8,529        | 3,861                             | 4,173        | 8,077        | 9,642        |
| NEW ENGLAND    | 191                      | 285          | 172          | 279          | 37                                | 56           | 290          | 289          |
| Maine          | 6                        | 8            | 2            | 11           | -                                 | 1            | 7            | 12           |
| N.H.           | 4                        | 4            | 2            | 7            | 1                                 | 1            | 11           | 15           |
| Vt.            | 7                        | 3            | 2            | -            | 2                                 | -            | 2            | 4            |
| Mass.          | 136                      | 207          | 116          | 191          | 19                                | 39           | 164          | 170          |
| R.I.           | 16                       | 19           | 19           | 25           | 7                                 | 4            | 24           | 25           |
| Conn.          | 22                       | 44           | 31           | 45           | 8                                 | 11           | 82           | 63           |
| MID. ATLANTIC  | 995                      | 1,939        | 582          | 1,248        | 330                               | 194          | 1,575        | 1,579        |
| Upstate N.Y.   | 392                      | 549          | 93           | 179          | 18                                | 7            | 234          | 212          |
| N.Y. City      | 265                      | 789          | 267          | 533          | 176                               | 82           | 811          | 844          |
| N.J.           | 185                      | 409          | 157          | 344          | 79                                | 48           | 344          | 371          |
| Pa.            | 153                      | 192          | 65           | 192          | 57                                | 57           | 186          | 152          |
| E.N. CENTRAL   | 2,873                    | 3,099        | 1,331        | 884          | 668                               | 879          | 873          | 930          |
| Ohio           | 2,023                    | 238          | 923          | 213          | 58                                | 55           | 150          | 199          |
| Ind.           | 153                      | 1,164        | 28           | 129          | 120                               | 264          | 71           | 90           |
| Ill.           | 281                      | 887          | 204          | 2            | 194                               | 303          | 428          | 434          |
| Mich.          | 210                      | 554          | 156          | 497          | 278                               | 217          | 175          | 146          |
| Wis.           | 206                      | 256          | 20           | 43           | 18                                | 40           | 49           | 61           |
| W.N. CENTRAL   | 1,081                    | 1,669        | 851          | 1,411        | 51                                | 49           | 308          | 348          |
| Minn.          | 286                      | 541          | 341          | 610          | 22                                | 9            | 160          | 110          |
| Iowa           | 317                      | 371          | 261          | 261          | 1                                 | 10           | 18           | 25           |
| Mo.            | 226                      | 511          | 140          | 362          | 11                                | 25           | 92           | 134          |
| N. Dak.        | 20                       | 12           | 21           | 27           | -                                 | -            | 3            | 2            |
| S. Dak.        | 122                      | 5            | 59           | 3            | -                                 | -            | 10           | 13           |
| Nebr.          | 54                       | 81           | -            | 65           | 2                                 | 2            | 25           | 14           |
| Kans.          | 56                       | 148          | 29           | 83           | 15                                | 3            | -            | 50           |
| S. ATLANTIC    | 1,613                    | 1,921        | 517          | 769          | 1,356                             | 1,375        | 1,641        | 1,966        |
| Del.           | 7                        | 13           | 7            | 16           | 8                                 | 8            | 9            | 14           |
| Md.            | 110                      | 137          | 57           | 76           | 162                               | 203          | 148          | 176          |
| D.C.           | 42                       | 49           | U            | U            | 30                                | 29           | 51           | 19           |
| Va.            | 211                      | 318          | 110          | 246          | 81                                | 96           | 172          | 190          |
| W. Va.         | 8                        | 4            | 8            | 3            | -                                 | 3            | 21           | 21           |
| N.C.           | 253                      | 134          | 125          | 141          | 317                               | 361          | 233          | 263          |
| S.C.           | 204                      | 96           | 91           | 71           | 178                               | 143          | 134          | 188          |
| Ga.            | 161                      | 177          | 91           | 137          | 230                               | 265          | 299          | 430          |
| Fla.           | 617                      | 993          | 28           | 79           | 350                               | 267          | 574          | 665          |
| E.S. CENTRAL   | 942                      | 681          | 400          | 377          | 422                               | 603          | 523          | 636          |
| Ky.            | 344                      | 247          | 175          | 52           | 31                                | 59           | 78           | 70           |
| Tenn.          | 71                       | 254          | 75           | 289          | 228                               | 365          | 199          | 254          |
| Ala.           | 176                      | 39           | 124          | 31           | 83                                | 84           | 175          | 205          |
| Miss.          | 351                      | 141          | 26           | 5            | 80                                | 95           | 71           | 107          |
| W.S. CENTRAL   | 1,069                    | 2,409        | 714          | 745          | 478                               | 569          | 712          | 1,440        |
| Ark.           | 420                      | 150          | 155          | 43           | 26                                | 75           | 100          | 143          |
| La.            | 114                      | 202          | 132          | 128          | 100                               | 156          | -            | 135          |
| Okla.          | 32                       | 78           | 15           | 31           | 48                                | 83           | 100          | 110          |
| Tex.           | 503                      | 1,979        | 412          | 543          | 304                               | 255          | 512          | 1,052        |
| MOUNTAIN       | 653                      | 737          | 372          | 536          | 170                               | 157          | 309          | 348          |
| Mont.          | 2                        | 7            | -            | -            | -                                 | -            | 6            | 10           |
| Idaho          | 25                       | 41           | -            | 25           | -                                 | 1            | 8            | 6            |
| Wyo.           | 3                        | 5            | 1            | 3            | 1                                 | 1            | 2            | 2            |
| Colo.          | 157                      | 137          | 140          | 109          | 31                                | 7            | 78           | 57           |
| N. Mex.        | 85                       | 97           | 45           | 64           | 16                                | 13           | 21           | 30           |
| Ariz.          | 284                      | 294          | 137          | 204          | 111                               | 130          | 119          | 139          |
| Utah           | 44                       | 57           | 41           | 65           | 7                                 | 1            | 24           | 32           |
| Nev.           | 53                       | 99           | 8            | 66           | 4                                 | 4            | 51           | 72           |
| PACIFIC        | 1,600                    | 2,306        | 288          | 2,280        | 349                               | 291          | 1,846        | 2,106        |
| Wash.          | 142                      | 346          | 167          | 328          | 37                                | 48           | 167          | 170          |
| Oreg.          | 59                       | 123          | 74           | 82           | 8                                 | 10           | 75           | 65           |
| Calif.         | 1,346                    | 1,803        | -            | 1,843        | 296                               | 232          | 1,475        | 1,701        |
| Alaska         | 4                        | 7            | 1            | 3            | -                                 | -            | 31           | 76           |
| Hawaii         | 49                       | 27           | 46           | 24           | 8                                 | 1            | 98           | 94           |
| Guam           | -                        | 34           | U            | U            | -                                 | 3            | -            | 38           |
| P.R.           | 8                        | 26           | U            | U            | 172                               | 120          | 76           | 109          |
| V.I.           | -                        | -            | U            | U            | -                                 | -            | -            | -            |
| Amer. Samoa    | U                        | U            | U            | U            | U                                 | U            | U            | U            |
| C.N.M.I.       | 4                        | U            | U            | U            | -                                 | U            | 20           | U            |

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

\*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

<sup>†</sup> Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

**TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending September 8, 2001, and September 9, 2000 (36th Week)\***

| Reporting Area | <i>H. influenzae</i> , Invasive |           | Hepatitis (Viral), By Type |           |           |           | Measles (Rubeola) |           |                       |           |           |           |
|----------------|---------------------------------|-----------|----------------------------|-----------|-----------|-----------|-------------------|-----------|-----------------------|-----------|-----------|-----------|
|                | Cum. 2001 <sup>†</sup>          | Cum. 2000 | A                          |           | B         |           | Indigenous        |           | Imported <sup>†</sup> |           | Total     |           |
|                |                                 |           | Cum. 2001                  | Cum. 2000 | Cum. 2001 | Cum. 2000 | 2001              | Cum. 2001 | 2001                  | Cum. 2001 | Cum. 2001 | Cum. 2000 |
| UNITED STATES  | 953                             | 892       | 6,587                      | 8,914     | 4,427     | 4,735     | -                 | 47        | -                     | 42        | 89        | 65        |
| NEW ENGLAND    | 58                              | 67        | 376                        | 271       | 61        | 77        | -                 | 4         | -                     | 1         | 5         | 6         |
| Maine          | 1                               | 1         | 8                          | 14        | 5         | 5         | -                 | -         | -                     | -         | -         | -         |
| N.H.           | 4                               | 12        | 12                         | 18        | 11        | 12        | U                 | -         | U                     | -         | -         | 3         |
| Vt.            | 3                               | 5         | 8                          | 8         | 4         | 6         | -                 | 1         | -                     | -         | 1         | 3         |
| Mass.          | 34                              | 32        | 151                        | 104       | -         | 10        | -                 | 2         | -                     | 1         | 3         | -         |
| R.I.           | 3                               | 2         | 26                         | 16        | 17        | 14        | -                 | -         | -                     | -         | -         | -         |
| Conn.          | 13                              | 15        | 171                        | 111       | 24        | 30        | -                 | 1         | -                     | -         | 1         | -         |
| MID. ATLANTIC  | 137                             | 168       | 677                        | 994       | 674       | 830       | -                 | 4         | -                     | 11        | 15        | 21        |
| Upstate N.Y.   | 53                              | 68        | 173                        | 154       | 94        | 87        | -                 | 1         | -                     | 4         | 5         | 10        |
| N.Y. City      | 36                              | 47        | 209                        | 341       | 322       | 409       | -                 | 2         | -                     | 1         | 3         | 10        |
| N.J.           | 32                              | 31        | 159                        | 193       | 64        | 130       | -                 | -         | -                     | 1         | 1         | -         |
| Pa.            | 16                              | 22        | 136                        | 306       | 194       | 204       | -                 | 1         | -                     | 5         | 6         | 1         |
| E.N. CENTRAL   | 126                             | 140       | 693                        | 1,178     | 639       | 498       | -                 | -         | -                     | 10        | 10        | 7         |
| Ohio           | 53                              | 42        | 166                        | 199       | 83        | 78        | -                 | -         | -                     | 3         | 3         | 2         |
| Ind.           | 37                              | 25        | 63                         | 57        | 35        | 36        | -                 | -         | -                     | 4         | 4         | -         |
| Ill.           | 10                              | 47        | 192                        | 520       | 100       | 84        | -                 | -         | -                     | 3         | 3         | 3         |
| Mich.          | 7                               | 9         | 230                        | 336       | 421       | 277       | -                 | -         | -                     | -         | -         | 2         |
| Wis.           | 19                              | 17        | 42                         | 66        | -         | 23        | -                 | -         | -                     | -         | -         | -         |
| W.N. CENTRAL   | 49                              | 49        | 284                        | 549       | 130       | 208       | -                 | 4         | -                     | -         | 4         | 1         |
| Minn.          | 28                              | 24        | 24                         | 154       | 13        | 27        | -                 | 2         | -                     | -         | 2         | 1         |
| Iowa           | -                               | -         | 26                         | 56        | 16        | 21        | -                 | -         | -                     | -         | -         | -         |
| Mo.            | 13                              | 16        | 77                         | 227       | 68        | 106       | -                 | 2         | -                     | -         | 2         | -         |
| N. Dak.        | 6                               | 2         | 2                          | 2         | -         | 2         | U                 | -         | U                     | -         | -         | -         |
| S. Dak.        | -                               | -         | 2                          | 1         | 1         | 1         | -                 | -         | -                     | -         | -         | -         |
| Nebr.          | 1                               | 3         | 28                         | 24        | 17        | 31        | -                 | -         | -                     | -         | -         | -         |
| Kans.          | 1                               | 4         | 125                        | 85        | 15        | 20        | -                 | -         | -                     | -         | -         | -         |
| S. ATLANTIC    | 275                             | 202       | 1,551                      | 940       | 917       | 817       | -                 | 4         | -                     | 1         | 5         | 2         |
| Del.           | -                               | -         | -                          | 10        | -         | 10        | U                 | -         | U                     | -         | -         | -         |
| Md.            | 64                              | 57        | 190                        | 131       | 95        | 90        | -                 | 2         | -                     | 1         | 3         | -         |
| D.C.           | -                               | -         | 33                         | 20        | 11        | 27        | U                 | -         | U                     | -         | -         | -         |
| Va.            | 20                              | 32        | 94                         | 107       | 115       | 105       | -                 | 1         | -                     | -         | 1         | 2         |
| W. Va.         | 10                              | 5         | 9                          | 49        | 20        | 10        | -                 | -         | -                     | -         | -         | -         |
| N.C.           | 41                              | 19        | 132                        | 111       | 133       | 165       | -                 | -         | -                     | -         | -         | -         |
| S.C.           | 5                               | 7         | 61                         | 44        | 24        | 11        | -                 | -         | -                     | -         | -         | -         |
| Ga.            | 68                              | 52        | 609                        | 180       | 223       | 142       | -                 | 1         | -                     | -         | 1         | -         |
| Fla.           | 67                              | 30        | 423                        | 288       | 296       | 257       | U                 | -         | U                     | -         | -         | -         |
| E.S. CENTRAL   | 61                              | 38        | 266                        | 313       | 304       | 333       | -                 | 2         | -                     | -         | 2         | -         |
| Ky.            | 2                               | 12        | 84                         | 40        | 31        | 61        | -                 | 2         | -                     | -         | 2         | -         |
| Tenn.          | 31                              | 16        | 105                        | 111       | 159       | 159       | -                 | -         | -                     | -         | -         | -         |
| Ala.           | 26                              | 8         | 63                         | 43        | 61        | 35        | -                 | -         | -                     | -         | -         | -         |
| Miss.          | 2                               | 2         | 14                         | 119       | 53        | 78        | -                 | -         | -                     | -         | -         | -         |
| W.S. CENTRAL   | 35                              | 54        | 638                        | 1,720     | 466       | 719       | -                 | 1         | -                     | -         | 1         | -         |
| Ark.           | -                               | 2         | 55                         | 111       | 67        | 72        | -                 | -         | -                     | -         | -         | -         |
| La.            | 3                               | 15        | 54                         | 62        | 30        | 107       | U                 | -         | U                     | -         | -         | -         |
| Okla.          | 32                              | 35        | 96                         | 192       | 70        | 107       | U                 | -         | U                     | -         | -         | -         |
| Tex.           | -                               | 2         | 433                        | 1,355     | 299       | 433       | -                 | 1         | -                     | -         | 1         | -         |
| MOUNTAIN       | 129                             | 87        | 586                        | 639       | 406       | 363       | -                 | -         | -                     | 1         | 1         | 12        |
| Mont.          | -                               | 1         | 9                          | 5         | 2         | 4         | -                 | -         | -                     | -         | -         | -         |
| Idaho          | 1                               | 3         | 50                         | 19        | 10        | 6         | -                 | -         | -                     | 1         | 1         | -         |
| Wyo.           | 17                              | 1         | 25                         | 4         | 31        | 1         | -                 | -         | -                     | -         | -         | -         |
| Colo.          | 29                              | 20        | 61                         | 142       | 79        | 57        | U                 | -         | U                     | -         | -         | 2         |
| N. Mex.        | 15                              | 18        | 29                         | 59        | 114       | 108       | -                 | -         | -                     | -         | -         | -         |
| Ariz.          | 51                              | 34        | 305                        | 323       | 115       | 138       | -                 | -         | -                     | -         | -         | -         |
| Utah           | 6                               | 7         | 61                         | 40        | 23        | 17        | -                 | -         | -                     | -         | -         | 3         |
| Nev.           | 10                              | 3         | 46                         | 47        | 32        | 32        | U                 | -         | U                     | -         | -         | 7         |
| PACIFIC        | 83                              | 87        | 1,516                      | 2,310     | 830       | 890       | -                 | 28        | -                     | 18        | 46        | 16        |
| Wash.          | 2                               | 5         | 93                         | 206       | 96        | 72        | -                 | 13        | -                     | 2         | 15        | 3         |
| Oreg.          | 17                              | 24        | 63                         | 141       | 71        | 77        | -                 | 3         | -                     | -         | 3         | -         |
| Calif.         | 35                              | 30        | 1,345                      | 1,939     | 640       | 722       | -                 | 10        | -                     | 11        | 21        | 9         |
| Alaska         | 6                               | 6         | 14                         | 11        | 8         | 9         | -                 | -         | -                     | -         | -         | 1         |
| Hawaii         | 23                              | 22        | 1                          | 13        | 15        | 10        | -                 | 2         | -                     | 5         | 7         | 3         |
| Guam           | -                               | 1         | -                          | 1         | -         | 9         | U                 | -         | U                     | -         | -         | -         |
| P.R.           | 1                               | 3         | 75                         | 196       | 127       | 196       | U                 | -         | U                     | -         | -         | 2         |
| V.I.           | -                               | -         | -                          | -         | -         | -         | U                 | -         | U                     | -         | -         | -         |
| Amer. Samoa    | U                               | U         | U                          | U         | U         | U         | U                 | U         | U                     | U         | U         | U         |
| C.N.M.I.       | U                               | U         | U                          | U         | 26        | U         | U                 | U         | U                     | U         | U         | U         |

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

\*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

<sup>†</sup> For imported measles, cases include only those resulting from importation from other countries.

<sup>§</sup> Of 197 cases among children aged <5 years, serotype was reported for 97, and of those, 17 were type b.



**TABLE III. (Cont'd) Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending September 8, 2001, and September 9, 2000 (36th Week)\***

| Reporting Area | Meningococcal Disease |           | Mumps |           |           | Pertussis |           |           | Rubella |           |           |
|----------------|-----------------------|-----------|-------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|
|                | Cum. 2001             | Cum. 2000 | 2001  | Cum. 2001 | Cum. 2000 | 2001      | Cum. 2001 | Cum. 2000 | 2001    | Cum. 2001 | Cum. 2000 |
| UNITED STATES  | 1,582                 | 1,573     | 2     | 153       | 251       | 34        | 3,067     | 4,372     | -       | 17        | 109       |
| NEW ENGLAND    | 85                    | 94        | -     | -         | 4         | -         | 275       | 1,129     | -       | -         | 12        |
| Maine          | 1                     | 8         | -     | -         | -         | -         | -         | 31        | -       | -         | -         |
| N.H.           | 10                    | 9         | U     | -         | -         | U         | 25        | 82        | U       | -         | 2         |
| Vt.            | 5                     | 2         | -     | -         | -         | -         | 25        | 175       | -       | -         | -         |
| Mass.          | 48                    | 54        | -     | -         | 1         | -         | 206       | 790       | -       | -         | 8         |
| R.I.           | 3                     | 8         | -     | -         | 1         | -         | 5         | 14        | -       | -         | 1         |
| Conn.          | 18                    | 13        | -     | -         | 2         | -         | 14        | 37        | -       | -         | 1         |
| MID. ATLANTIC  | 166                   | 178       | -     | 17        | 20        | 1         | 220       | 398       | -       | 5         | 9         |
| Upstate N.Y.   | 46                    | 48        | -     | 3         | 7         | 1         | 118       | 184       | -       | 1         | 1         |
| N.Y. City      | 31                    | 35        | -     | 9         | 6         | -         | 34        | 58        | -       | 3         | 8         |
| N.J.           | 39                    | 33        | -     | 2         | 3         | -         | 13        | 30        | -       | 1         | -         |
| Pa.            | 50                    | 62        | -     | 3         | 4         | -         | 55        | 126       | -       | -         | -         |
| E.N. CENTRAL   | 206                   | 272       | -     | 14        | 19        | 4         | 391       | 508       | -       | 3         | 1         |
| Ohio           | 72                    | 64        | -     | 1         | 7         | -         | 217       | 237       | -       | -         | -         |
| Ind.           | 29                    | 32        | -     | 1         | 1         | 4         | 50        | 68        | -       | 1         | -         |
| Ill.           | 22                    | 68        | -     | 10        | 6         | -         | 42        | 57        | -       | 2         | 1         |
| Mich.          | 47                    | 78        | -     | 2         | 4         | -         | 40        | 55        | -       | -         | -         |
| Wis.           | 36                    | 30        | -     | -         | 1         | -         | 42        | 91        | -       | -         | -         |
| W.N. CENTRAL   | 107                   | 109       | -     | 8         | 14        | 12        | 180       | 323       | -       | 3         | 1         |
| Minn.          | 16                    | 17        | -     | 3         | -         | 12        | 70        | 189       | -       | -         | -         |
| Iowa           | 21                    | 22        | -     | -         | 6         | -         | 17        | 39        | -       | 1         | -         |
| Mo.            | 39                    | 51        | -     | -         | 4         | -         | 70        | 49        | -       | 1         | -         |
| N. Dak.        | 5                     | 2         | U     | -         | -         | U         | -         | 3         | U       | -         | -         |
| S. Dak.        | 5                     | 5         | -     | -         | -         | -         | 3         | 3         | -       | -         | -         |
| Nebr.          | 10                    | 5         | -     | 1         | 1         | -         | 4         | 9         | -       | -         | 1         |
| Kans.          | 11                    | 7         | -     | 4         | 3         | -         | 16        | 31        | -       | 1         | -         |
| S. ATLANTIC    | 301                   | 224       | 1     | 27        | 37        | 3         | 167       | 328       | -       | 4         | 60        |
| Del.           | 3                     | -         | U     | -         | -         | U         | -         | 8         | U       | -         | -         |
| Md.            | 35                    | 22        | 1     | 5         | 8         | 3         | 25        | 80        | -       | -         | -         |
| D.C.           | -                     | -         | U     | -         | -         | U         | 1         | 3         | U       | -         | -         |
| Va.            | 31                    | 35        | -     | 6         | 8         | -         | 31        | 58        | -       | -         | -         |
| W. Va.         | 11                    | 10        | -     | -         | -         | -         | 2         | 1         | -       | -         | -         |
| N.C.           | 58                    | 32        | -     | 3         | 5         | -         | 51        | 76        | -       | -         | 52        |
| S.C.           | 31                    | 18        | -     | 2         | 10        | -         | 26        | 23        | -       | 2         | 6         |
| Ga.            | 36                    | 38        | -     | 7         | 2         | -         | 7         | 27        | -       | -         | -         |
| Fla.           | 96                    | 69        | U     | 4         | 4         | U         | 24        | 52        | U       | 2         | 2         |
| E.S. CENTRAL   | 103                   | 110       | -     | 3         | 4         | 1         | 87        | 90        | -       | -         | 5         |
| Ky.            | 18                    | 24        | -     | 1         | -         | 1         | 19        | 45        | -       | -         | 1         |
| Tenn.          | 44                    | 45        | -     | -         | 2         | -         | 38        | 25        | -       | -         | 1         |
| Ala.           | 30                    | 30        | -     | -         | 2         | -         | 27        | 17        | -       | -         | 3         |
| Miss.          | 11                    | 11        | -     | 2         | -         | -         | 3         | 3         | -       | -         | -         |
| W.S. CENTRAL   | 176                   | 167       | -     | 9         | 26        | 3         | 255       | 233       | -       | -         | 7         |
| Ark.           | 16                    | 11        | -     | 1         | 1         | 1         | 12        | 31        | -       | -         | 1         |
| La.            | 56                    | 38        | U     | 2         | 5         | U         | 2         | 17        | U       | -         | 1         |
| Okla.          | 24                    | 22        | U     | -         | -         | U         | 1         | 15        | U       | -         | -         |
| Tex.           | 80                    | 96        | -     | 6         | 20        | 2         | 240       | 170       | -       | -         | 5         |
| MOUNTAIN       | 76                    | 71        | -     | 9         | 16        | 7         | 1,050     | 518       | -       | 1         | 2         |
| Mont.          | 3                     | 4         | -     | 1         | 1         | -         | 21        | 32        | -       | -         | -         |
| Idaho          | 7                     | 6         | -     | 1         | -         | 1         | 166       | 47        | -       | -         | -         |
| Wyo.           | 6                     | -         | -     | 1         | 1         | -         | 2         | 3         | -       | -         | -         |
| Colo.          | 27                    | 23        | U     | 1         | -         | U         | 205       | 284       | U       | 1         | 1         |
| N. Mex.        | 11                    | 6         | -     | 2         | 1         | 6         | 97        | 77        | -       | -         | -         |
| Ariz.          | 11                    | 22        | -     | 1         | 4         | -         | 491       | 51        | -       | -         | 1         |
| Utah           | 7                     | 7         | -     | 1         | 4         | -         | 57        | 15        | -       | -         | -         |
| Nev.           | 4                     | 3         | U     | 1         | 5         | U         | 11        | 9         | U       | -         | -         |
| PACIFIC        | 362                   | 348       | 1     | 66        | 111       | 3         | 442       | 845       | -       | 1         | 12        |
| Wash.          | 53                    | 37        | -     | 1         | 5         | 3         | 107       | 259       | -       | -         | 7         |
| Oreg.          | 31                    | 46        | N     | N         | N         | -         | 35        | 92        | -       | -         | -         |
| Calif.         | 265                   | 251       | -     | 29        | 78        | -         | 268       | 444       | -       | -         | 5         |
| Alaska         | 2                     | 6         | -     | 1         | 8         | -         | 3         | 18        | -       | -         | -         |
| Hawaii         | 11                    | 8         | 1     | 35        | 20        | -         | 29        | 32        | -       | 1         | -         |
| Guam           | -                     | -         | U     | -         | 12        | U         | -         | 3         | U       | -         | 1         |
| P.R.           | 4                     | 8         | U     | -         | -         | U         | 2         | 6         | U       | -         | -         |
| V.I.           | -                     | -         | U     | -         | -         | U         | -         | -         | U       | -         | -         |
| Amer. Samoa    | U                     | U         | U     | U         | U         | U         | U         | U         | U       | U         | U         |
| C.N.M.I.       | -                     | U         | U     | -         | U         | U         | -         | U         | U       | -         | U         |

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

\*Incidence data for reporting year 2001 are provisional and cumulative (year-to-date). Incidence data for reporting year 2000 are finalized and cumulative (year-to-date).

**TABLE IV. Deaths in 122 U.S. cities,\* week ending  
September 8, 2001 (36th Week)**

| Reporting Area      | All Causes, By Age (Years) |       |       |       |      |    | P&I <sup>†</sup><br>Total | Reporting Area        | All Causes, By Age (Years) |       |       |       |      |     | P&I <sup>†</sup><br>Total |
|---------------------|----------------------------|-------|-------|-------|------|----|---------------------------|-----------------------|----------------------------|-------|-------|-------|------|-----|---------------------------|
|                     | All<br>Ages                | ≥65   | 45-64 | 25-44 | 1-24 | <1 |                           |                       | All<br>Ages                | ≥65   | 45-64 | 25-44 | 1-24 | <1  |                           |
| NEW ENGLAND         | 360                        | 252   | 61    | 29    | 9    | 9  | 25                        | S. ATLANTIC           | 863                        | 547   | 182   | 83    | 26   | 24  | 50                        |
| Boston, Mass.       | U                          | U     | U     | U     | U    | U  | U                         | Atlanta, Ga.          | U                          | U     | U     | U     | U    | U   | U                         |
| Bridgeport, Conn.   | 23                         | 16    | 6     | 1     | -    | -  | 3                         | Baltimore, Md.        | 117                        | 72    | 26    | 13    | 3    | 3   | 15                        |
| Cambridge, Mass.    | 18                         | 15    | 1     | 2     | -    | -  | 3                         | Charlotte, N.C.       | 93                         | 52    | 19    | 12    | 4    | 6   | 8                         |
| Fall River, Mass.   | U                          | U     | U     | U     | U    | U  | U                         | Jacksonville, Fla.    | 118                        | 71    | 31    | 9     | 3    | 4   | 8                         |
| Hartford, Conn.     | 57                         | 30    | 12    | 9     | 1    | 5  | 5                         | Miami, Fla.           | 62                         | 34    | 15    | 10    | 2    | 1   | 4                         |
| Lowell, Mass.       | 27                         | 18    | 5     | 4     | -    | -  | 2                         | Norfolk, Va.          | 53                         | 32    | 8     | 6     | 3    | 4   | 2                         |
| Lynn, Mass.         | 10                         | 8     | 1     | -     | 1    | -  | 2                         | Richmond, Va.         | 47                         | 29    | 10    | 6     | 1    | 1   | 2                         |
| New Bedford, Mass.  | 35                         | 24    | 8     | 2     | -    | 1  | 3                         | Savannah, Ga.         | 58                         | 39    | 12    | 5     | 2    | -   | 3                         |
| New Haven, Conn.    | 35                         | 24    | 4     | 5     | 2    | -  | 2                         | St. Petersburg, Fla.  | 32                         | 22    | 8     | -     | 1    | 1   | -                         |
| Providence, R.I.    | 48                         | 34    | 9     | -     | 3    | 2  | -                         | Tampa, Fla.           | 148                        | 101   | 24    | 15    | 5    | 3   | 4                         |
| Somerville, Mass.   | 6                          | 6     | -     | -     | -    | -  | -                         | Washington, D.C.      | 101                        | 61    | 29    | 7     | 2    | 1   | 4                         |
| Springfield, Mass.  | 31                         | 24    | 4     | 2     | -    | 1  | 2                         | Wilmington, Del.      | 34                         | 34    | -     | -     | -    | -   | -                         |
| Waterbury, Conn.    | 24                         | 20    | 3     | 1     | -    | -  | 3                         | E.S. CENTRAL          | 763                        | 513   | 169   | 47    | 14   | 20  | 54                        |
| Worcester, Mass.    | 46                         | 33    | 8     | 3     | 2    | -  | 3                         | Birmingham, Ala.      | 149                        | 108   | 30    | 6     | 3    | 2   | 12                        |
| MID. ATLANTIC       | 2,101                      | 1,464 | 415   | 151   | 36   | 31 | 95                        | Chattanooga, Tenn.    | 68                         | 55    | 8     | 1     | 1    | 3   | 6                         |
| Albany, N.Y.        | 54                         | 38    | 11    | 2     | 2    | 1  | 3                         | Knoxville, Tenn.      | 86                         | 61    | 18    | 6     | 1    | -   | 3                         |
| Allentown, Pa.      | 16                         | 14    | 2     | -     | -    | -  | -                         | Lexington, Ky.        | 54                         | 32    | 13    | 6     | 2    | 1   | 2                         |
| Buffalo, N.Y.       | 102                        | 75    | 16    | 7     | -    | 4  | 9                         | Memphis, Tenn.        | 191                        | 115   | 50    | 16    | 4    | 6   | 13                        |
| Camden, N.J.        | 33                         | 21    | 4     | 4     | 2    | 2  | 2                         | Mobile, Ala.          | 75                         | 57    | 9     | 5     | 2    | 2   | 2                         |
| Elizabeth, N.J.     | 24                         | 18    | 6     | -     | -    | -  | 1                         | Montgomery, Ala.      | 32                         | 19    | 8     | 3     | 1    | 1   | 4                         |
| Erie, Pa.§          | 41                         | 31    | 7     | 2     | -    | 1  | 2                         | Nashville, Tenn.      | 108                        | 66    | 33    | 4     | -    | 5   | 12                        |
| Jersey City, N.J.   | 43                         | 24    | 13    | 5     | 1    | -  | 2                         | W.S. CENTRAL          | 1,089                      | 655   | 254   | 109   | 42   | 29  | 50                        |
| New York City, N.Y. | 1,008                      | 692   | 210   | 76    | 14   | 16 | 35                        | Austin, Tex.          | 74                         | 48    | 19    | 4     | 1    | 2   | 4                         |
| Newark, N.J.        | U                          | U     | U     | U     | U    | U  | U                         | Baton Rouge, La.      | 48                         | 35    | 6     | 5     | 2    | -   | 2                         |
| Paterson, N.J.      | U                          | U     | U     | U     | U    | U  | U                         | Corpus Christi, Tex.  | 40                         | 30    | 9     | -     | -    | 1   | 3                         |
| Philadelphia, Pa.   | 468                        | 317   | 100   | 31    | 12   | 4  | 24                        | Dallas, Tex.          | 172                        | 88    | 56    | 19    | 6    | 3   | 13                        |
| Pittsburgh, Pa.§    | 36                         | 22    | 9     | 5     | -    | -  | 2                         | El Paso, Tex.         | 51                         | 31    | 15    | 3     | 2    | -   | 2                         |
| Reading, Pa.        | 16                         | 10    | 2     | 3     | 1    | -  | 1                         | Ft. Worth, Tex.       | 94                         | 53    | 21    | 12    | 2    | 6   | 1                         |
| Rochester, N.Y.     | 116                        | 85    | 17    | 10    | 4    | -  | 5                         | Houston, Tex.         | 311                        | 163   | 69    | 45    | 23   | 11  | 12                        |
| Schenectady, N.Y.   | 23                         | 21    | 2     | -     | -    | -  | 2                         | Little Rock, Ark.     | U                          | U     | U     | U     | U    | U   | U                         |
| Scranton, Pa.§      | 21                         | 17    | 3     | 1     | -    | -  | 1                         | New Orleans, La.      | U                          | U     | U     | U     | U    | U   | U                         |
| Syracuse, N.Y.      | 81                         | 65    | 10    | 3     | -    | 3  | 8                         | San Antonio, Tex.     | 172                        | 112   | 38    | 13    | 4    | 5   | 7                         |
| Trenton, N.J.       | 19                         | 14    | 3     | 2     | -    | -  | U                         | Shreveport, La.       | 39                         | 29    | 6     | 4     | -    | -   | 3                         |
| Utica, N.Y.         | U                          | U     | U     | U     | U    | U  | U                         | Tulsa, Okla.          | 88                         | 66    | 15    | 4     | 2    | 1   | 3                         |
| Yonkers, N.Y.       | U                          | U     | U     | U     | U    | U  | U                         | MOUNTAIN              | 929                        | 628   | 189   | 72    | 27   | 12  | 64                        |
| E.N. CENTRAL        | 1,461                      | 989   | 303   | 93    | 37   | 39 | 66                        | Albuquerque, N.M.     | 98                         | 67    | 20    | 10    | 1    | -   | 13                        |
| Akron, Ohio         | 39                         | 30    | 5     | 2     | 1    | 1  | 3                         | Boise, Idaho          | 25                         | 18    | 7     | -     | -    | -   | 2                         |
| Canton, Ohio        | 38                         | 30    | 6     | 2     | -    | -  | 4                         | Colo. Springs, Colo.  | 43                         | 30    | 8     | 5     | -    | -   | 3                         |
| Chicago, Ill.       | U                          | U     | U     | U     | U    | U  | U                         | Denver, Colo.         | 99                         | 66    | 14    | 11    | 4    | 4   | 4                         |
| Cincinnati, Ohio    | 94                         | 59    | 17    | 11    | 3    | 4  | 4                         | Las Vegas, Nev.       | 231                        | 164   | 46    | 12    | 8    | 1   | 18                        |
| Cleveland, Ohio     | 107                        | 80    | 20    | 6     | 1    | -  | 5                         | Ogden, Utah           | 37                         | 24    | 7     | 4     | 2    | -   | 2                         |
| Columbus, Ohio      | 157                        | 97    | 39    | 11    | 6    | 4  | 6                         | Phoenix, Ariz.        | 150                        | 93    | 31    | 16    | 5    | 4   | 10                        |
| Dayton, Ohio        | 116                        | 89    | 17    | 4     | 1    | 5  | 5                         | Pueblo, Colo.         | 28                         | 17    | 8     | 3     | -    | -   | 1                         |
| Detroit, Mich.      | 175                        | 101   | 51    | 13    | 5    | 5  | 8                         | Salt Lake City, Utah  | 94                         | 64    | 18    | 4     | 6    | 2   | 8                         |
| Evansville, Ind.    | 37                         | 27    | 5     | 2     | 3    | -  | 2                         | Tucson, Ariz.         | 124                        | 85    | 30    | 7     | 1    | 1   | 3                         |
| Fort Wayne, Ind.    | 48                         | 33    | 9     | 4     | 2    | -  | 2                         | PACIFIC               | 1,384                      | 977   | 253   | 87    | 31   | 22  | 93                        |
| Gary, Ind.          | 18                         | 8     | 3     | 4     | 3    | -  | -                         | Berkeley, Calif.      | 10                         | 7     | 2     | 1     | -    | -   | 1                         |
| Grand Rapids, Mich. | 61                         | 40    | 8     | 4     | 2    | 7  | 5                         | Fresno, Calif.        | 44                         | 32    | 4     | 6     | 2    | -   | 4                         |
| Indianapolis, Ind.  | 176                        | 103   | 46    | 16    | 7    | 4  | 8                         | Glendale, Calif.      | 22                         | 15    | 6     | -     | -    | 1   | 1                         |
| Lansing, Mich.      | 32                         | 28    | 4     | -     | -    | -  | 3                         | Honolulu, Hawaii      | 80                         | 62    | 13    | 2     | -    | 3   | 9                         |
| Milwaukee, Wis.     | 99                         | 71    | 20    | 3     | 2    | 3  | 4                         | Long Beach, Calif.    | 92                         | 70    | 17    | 4     | 1    | -   | 6                         |
| Peoria, Ill.        | 44                         | 36    | 5     | 1     | -    | 2  | -                         | Los Angeles, Calif.   | 312                        | 219   | 51    | 26    | 10   | 6   | 18                        |
| Rockford, Ill.      | 38                         | 28    | 6     | 3     | 1    | -  | 1                         | Pasadena, Calif.      | 23                         | 18    | 3     | 2     | -    | -   | 4                         |
| South Bend, Ind.    | 55                         | 37    | 15    | 1     | -    | 2  | -                         | Portland, Oreg.       | U                          | U     | U     | U     | U    | U   | U                         |
| Toledo, Ohio        | 64                         | 42    | 17    | 4     | -    | 1  | 5                         | Sacramento, Calif.    | 140                        | 96    | 30    | 9     | 4    | 1   | 10                        |
| Youngstown, Ohio    | 63                         | 50    | 10    | 2     | -    | 1  | 1                         | San Diego, Calif.     | 134                        | 93    | 29    | 7     | 2    | 3   | 7                         |
| W.N. CENTRAL        | 539                        | 380   | 99    | 31    | 19   | 10 | 37                        | San Francisco, Calif. | 101                        | 63    | 24    | 7     | 2    | 5   | 7                         |
| Des Moines, Iowa    | 62                         | 51    | 6     | 1     | 1    | 3  | 4                         | San Jose, Calif.      | 157                        | 127   | 18    | 6     | 4    | 2   | 11                        |
| Duluth, Minn.       | 37                         | 27    | 8     | -     | 2    | -  | 1                         | Santa Cruz, Calif.    | 34                         | 23    | 9     | 1     | 1    | -   | 2                         |
| Kansas City, Kans.  | 5                          | 1     | 2     | 1     | 1    | -  | -                         | Seattle, Wash.        | 96                         | 55    | 29    | 9     | 2    | 1   | 3                         |
| Kansas City, Mo.    | 71                         | 41    | 15    | 10    | 2    | 3  | 5                         | Spokane, Wash.        | 47                         | 29    | 3     | 1     | 2    | -   | 5                         |
| Lincoln, Nebr.      | 29                         | 21    | 8     | -     | -    | -  | 1                         | Tacoma, Wash.         | 92                         | 68    | 15    | 6     | 1    | -   | 5                         |
| Minneapolis, Minn.  | 96                         | 73    | 18    | 3     | -    | 2  | 11                        | TOTAL                 | 9,489 <sup>†</sup>         | 6,405 | 1,925 | 702   | 241  | 196 | 534                       |
| Omaha, Nebr.        | 72                         | 53    | 12    | 5     | 2    | -  | 8                         |                       |                            |       |       |       |      |     |                           |
| St. Louis, Mo.      | 75                         | 42    | 19    | 8     | 5    | 1  | -                         |                       |                            |       |       |       |      |     |                           |
| St. Paul, Minn.     | 79                         | 62    | 9     | 2     | 5    | 1  | 7                         |                       |                            |       |       |       |      |     |                           |
| Wichita, Kans.      | 13                         | 9     | 2     | 1     | 1    | -  | -                         |                       |                            |       |       |       |      |     |                           |

U: Unavailable. --:No reported cases.

\*Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of ≥100,000. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

† Pneumonia and influenza.

‡ Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.

§ Total includes unknown ages.

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