

MMWRTM
**MORBIDITY AND MORTALITY
WEEKLY REPORT**

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**Progress Toward Poliomyelitis Eradication —
Afghanistan, 1994–1999**

In 1988, the World Health Assembly adopted a resolution to eradicate poliomyelitis globally by 2000. During the same year, the Regional Committee, Eastern Mediterranean Region (EMR) of the World Health Organization (WHO) resolved to eradicate polio from the region by 2000. Substantial progress in reaching this goal has been made globally and in countries of EMR (1–3). This report describes the current status of polio eradication in Afghanistan, a country in EMR with ongoing civil conflict where eradication efforts began in late 1994.

Routine Vaccination

Routine vaccination services have been maintained through approximately 20 years of civil conflict in Afghanistan. In 1996, estimated national coverage with three doses of oral poliovirus vaccine (OPV) among infants aged <1 year was 30%. Coverage surveys conducted during the 1998 Expanded Program on Immunization (EPI) review suggested that vaccination coverage levels varied widely by region. Coverage levels <30% were reported in several regions; in northern areas, coverage levels were even lower because of access problems resulting from the ongoing conflict. Supplemental campaigns to accelerate overall EPI coverage using diphtheria and tetanus toxoids and pertussis vaccine (DTP) and measles vaccine (MV) for children and tetanus toxoid (TT) for women of childbearing age have been conducted annually since 1997. The 1999 EPI acceleration campaigns provided catch-up vaccination to children aged <2 years (n=82,000) and women of reproductive age (n=206,000) in 14 urban areas.

Supplementary OPV Vaccination

Supplementary vaccination for polio eradication began with three multiantigen immunization campaigns (MICs) conducted during 1994–1996. MICs provided DTP, MV, and OPV for children aged <5 years and TT for women of childbearing age. Reported MICs coverage levels were >80% in most targeted areas; however, MICs targeted approximately 70% of the total population. Beginning with MICs and continuing with National Immunization Days (NIDs)*, the United Nations Children's Fund

*Mass campaigns over a short period (days to weeks) in which two doses of OPV are administered to all children in the target group (usually aged 0–4 years) regardless of previous vaccination history, with an interval of 4–6 weeks between doses.

Polio Eradication — Continued

(UNICEF) and WHO attempted to arrange periods of cease-fire between warring parties in conflict areas to allow vaccination of children.

The first NIDs were conducted nationwide during April–May 1997, and repeated during April–May 1998 and May–June 1999. In 1997, an estimated 80% of Afghan children aged <5 years (approximately 3.5 million) received two doses of OPV during NIDs.

In 1998, NIDs were not conducted in northern Afghanistan because of armed conflict; as a result, approximately one third of the target group was excluded from vaccination. Nevertheless, 1998 NID coverage for the accessible areas was >85%. The first round of 1999 NIDs was delayed in three northern provinces because of the conflict; surveys following both rounds indicated that 83%–87% of targeted children had been vaccinated. Afghanistan will conduct two additional NID rounds in late October and November 1999. In 1998 and 1999, supplemental OPV vaccination campaigns were conducted in border districts with Pakistan and Iran simultaneously with the NIDs in these countries.

Surveillance for Acute Flaccid Paralysis (AFP)

No national disease surveillance system is in place in Afghanistan. In 1997, AFP surveillance was established at major health facilities in regional capitals. Local staff were trained in AFP surveillance procedures to conduct regular active surveillance visits to surveillance sites to identify and investigate AFP cases. Local offices of WHO and UNICEF facilitate the collection and shipment of stool specimens to the WHO Afghanistan support office in Islamabad, Pakistan through scheduled United Nations flights; specimens are forwarded for processing to the Regional Polio Network Laboratory at the National Institute of Health in Islamabad.

All three poliovirus serotypes were isolated within a few months after the establishment of AFP surveillance. Poliovirus has been detected in many parts of the country (Figure 1). All three serotypes were detected in 1997; however, type 2 virus has not been isolated during 1998 and 1999. Since May 1999, an outbreak of polio is occurring in Kunduz province in northern Afghanistan (4).

The sensitivity of AFP surveillance is measured by the rate of nonpolio AFP per 100,000 population aged <15 years (target: 1 per 100,000 population), and the quality is assessed by the percentage of cases from which two stool specimens are taken within 14 days of paralysis onset ("adequate" stool specimen; target: 80%). Both performance indicators continue to improve. From 1998 to 1999, the nonpolio AFP rate increased from 0.6 to 1.2, and the proportion of AFP cases with two adequate stool specimens increased from 52% to 61% in 1999 (Table 1).

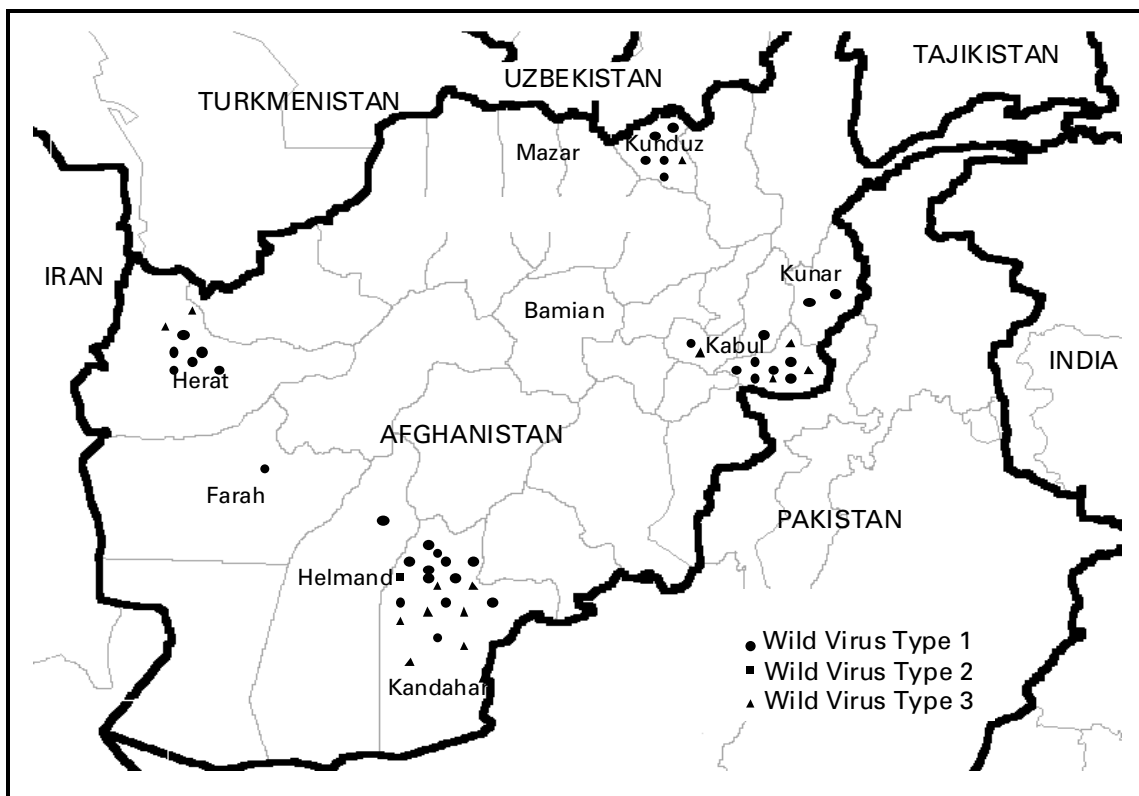
Reported by: Afghanistan Country Office, World Health Organization, Islamabad, Pakistan. Eastern Mediterranean Regional Office, World Health Organization, Alexandria, Egypt. Vaccines and Other Biologicals Dept, World Health Organization, Geneva, Switzerland. Respiratory and Enterovirus Br, Div of Viral and Rickettsial Diseases, National Center for Infectious Diseases; Vaccine Preventable Disease Eradication Div, National Immunization Program, CDC.

Editorial Note: Polio remains the leading cause of permanent disability in Afghanistan, a country with civil strife for approximately 20 years (5). Poliovirus transmission must be interrupted in Afghanistan both to prevent morbidity, mortality, and permanent disability and to reach the 2000 global polio eradication target.

Limited cease-fire agreements were effective between fighting parties during MICs and NIDs, allowing health-care workers to vaccinate children in areas with ongoing

Polio Eradication — Continued

FIGURE 1. Location of polio cases confirmed through wild poliovirus isolation — Afghanistan, September 1997–July 1999



conflict. Since 1997, NIDs have achieved relatively high coverage rates among the target population; however, interruption of virus transmission in Afghanistan may take longer than in countries with well-functioning routine vaccination programs.

AFP surveillance systems require a well-coordinated and sustained effort to identify suspected cases; collect, store, and ship stool specimens; and collect, tabulate, and analyze data. Despite the prevailing conflict, AFP surveillance has improved rapidly in Afghanistan and is becoming the model for establishing AFP surveillance in other countries under difficult circumstances (6). Measles and neonatal tetanus case reporting have been added to the AFP surveillance system as a first step toward establishing an integrated communicable disease reporting system. Contributing to the success in establishing surveillance is the cooperation among national health services, WHO, UNICEF, and nongovernmental organizations and with resources provided by the international donors. Although the quality of AFP surveillance in Afghanistan is better than in other countries where polio is endemic, it must improve to better establish the degree of virus transmission and to target areas for supplemental vaccination activities.

Polio eradication activities, particularly NIDs, can play a key role in initiating and revitalizing health services in countries where conflict has damaged the infrastructure; the investment in vaccination may serve as an example to restore other basic health services in the country. As demonstrated in other countries, critical elements of the

*Polio Eradication — Continued***TABLE 1. Surveillance for acute flaccid paralysis (AFP) and National Immunization Days (NIDs) coverage — Afghanistan, 1997–1999**

| Surveillance | 1997* | 1998 | 1999† |
|---------------------------------------------------|-------|------|-------|
| AFP cases | 28 | 121 | 111 |
| Confirmed polio cases | 19 | 59 | 43 |
| Nonpolio AFP rate [§] | 0.3 | 0.6 | 1.2 |
| Wild virus confirmed | 6 | 27 | 17 |
| Type 1 | 4 | 15 | 11 |
| Type 2 | 2 | 0 | 0 |
| Type 3 | 0 | 12 | 6 |
| Stool specimen [¶] | 50% | 52% | 61% |
| No. children vaccinated during NIDs (in millions) | | | |
| Round 1 | 3.7 | 2.6 | 4.0 |
| Round 2 | 3.8 | 2.7 | 4.0 |

*September–December 1997.

†January–August 1999.

§Per 100,000 children aged <15 years. The rate is projected for 1997 and 1999.

¶Percentage of AFP cases from which two stool specimens were collected within 14 days of onset of paralysis.

polio eradication strategies implemented in Afghanistan—political commitment, international partnerships, capacity for surveillance, and integration of preventive services—now serve as a platform for strengthening vaccination and other preventive health services. Social mobilization and additional resources available for polio eradication (i.e., cold chain equipment, training, and additional staff) may lead to increased awareness and use of routine vaccination services.

Continued public health efforts are essential to eradicate polio in Afghanistan. End-stage acceleration of polio eradication in Afghanistan will require extra rounds of NIDs and house-to-house vaccination activities to administer OPV, which will require substantial additional external funding[†]. In the final phase of polio eradication, increased efforts are necessary. Unless polio eradication succeeds even under the most challenging circumstances, polio will remain endemic in some countries, resulting in exportation of poliovirus into neighboring and distant polio-free areas, and delaying regional and global polio eradication.

References

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4. CDC. Outbreak of poliomyelitis—Kunduz, Afghanistan, 1999. *MMWR* 1999;48:761–2.
5. Francois I, Lambert ML, Salort C, Slypen V, Bertrand F, Tonglet R. Causes of locomotor disability and need for orthopaedic devices in a heavily mined Taliban-controlled province of Afghanistan: issues and challenges for public health managers. *Trop Med Int Health* 1998;3:391–6.
6. CDC. Progress toward poliomyelitis eradication during armed conflict—Somalia and southern Sudan, January 1998–June 1999. *MMWR* 1999;48:633–7.

[†]Polio eradication in Afghanistan is supported by the national government. External support is provided by global polio eradication partners, including Rotary International, UNICEF, WHO, and the governments of the United States, Great Britain, Denmark, Norway, Netherlands, Sweden, Luxemburg, Germany, and the European Community.

Notice to Readers

**National Vaccination Coverage Levels
Among Children Aged 19–35 Months — United States, 1998**

Sustained high vaccination coverage levels in the United States are necessary to decrease rates of vaccine-preventable diseases. Therefore, an important component of the U.S. vaccination program is the assessment of vaccination coverage (1). To assist in this assessment, in 1993, the Childhood Immunization Initiative (CII) was begun to increase vaccination coverage levels among children during the first 2 years of life to $\geq 90\%$ by 1996 for universally recommended childhood vaccinations and to monitor trends in vaccination coverage. Vaccination objectives also were included in the national health objectives for 2000 initiative (2). Except for hepatitis B vaccine, the 90% coverage goals were achieved and maintained through implementation of CII by public- and private-sector organizations and health-care providers at the national, state, and local levels (3).

CDC's National Immunization Survey (NIS) provides ongoing estimates of vaccination coverage in the United States (3,4). In 1998, the NIS assessed vaccination coverage levels among children born during February 1995–May 1997 (i.e., aged 19–35 months; median age: 27 months).

National vaccination coverage achieved was $\geq 90\%$ each for three doses of poliovirus vaccine, three doses of *Haemophilus influenzae* type b vaccine, and one dose of measles-containing vaccine. Coverage with four doses of diphtheria and tetanus toxoids and pertussis vaccine/diphtheria and tetanus toxoids (DTP/DT) and three doses of hepatitis B vaccine was the highest ever reported (84% and 87%, respectively). Varicella vaccine, first recommended for use in 1996, also had the highest coverage ever reported (43.2%) (Table 1). State-specific coverage estimates for each recommended antigen and for two combined series of vaccines and coverage estimates by state among children living in poverty will be published in *CDC Surveillance Summaries*.

References

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2. Public Health Service. *Healthy people 2000: national health promotion and disease prevention objectives—full report, with commentary*. Washington, DC: US Department of Health and Human Services, Public Health Service, 1991; DHHS publication no. (PHS)91-50212.
3. CDC. National, state, and urban area vaccination coverage levels among children aged 19–35 months—United States, 1997. *MMWR* 1998;47:547–54.
4. CDC. Sample design in procedures to produce estimates of vaccination coverage in the national immunization survey. Atlanta, Georgia: US Department of Health and Human Services, CDC, National Immunization Program, April 18, 1996.

Notices to Readers — Continued

TABLE 1. Vaccination coverage levels among children aged 19–35 months, by selected vaccines — United States, National Immunization Survey, 1995–1998*

| Vaccine/Dose | 1995 | | 1996 | | 1997 | | 1998 | |
|-----------------------------------------------|-----------------|-----------------------|------|----------|------|----------|------|----------|
| | % | (95% CI) [†] | % | (95% CI) | % | (95% CI) | % | (95% CI) |
| DTP/DT [§] | | | | | | | | |
| ≥3 Doses | 94.7 | (±0.6) | 95.0 | (±0.4) | 95.5 | (±0.4) | 95.6 | (±0.5) |
| ≥4 Doses | 78.5 | (±1.0) | 81.1 | (±0.7) | 81.5 | (±0.7) | 83.9 | (±0.8) |
| Poliovirus | | | | | | | | |
| ≥3 Doses | 87.9 | (±0.8) | 91.1 | (±0.5) | 90.8 | (±0.5) | 90.8 | (±0.7) |
| <i>Haemophilus influenzae</i> type b (Hib) | | | | | | | | |
| ≥3 Doses | 91.7 | (±0.6) | 91.7 | (±0.5) | 92.7 | (±0.5) | 93.4 | (±0.6) |
| Measles-containing vaccine (MCV) | | | | | | | | |
| ≥1 Doses | 89.9 | (±0.7) | 90.7 | (±0.5) | 90.5 | (±0.5) | 92.1 | (±0.6) |
| Hepatitis B | | | | | | | | |
| ≥3 Doses | 68.0 | (±1.0) | 81.8 | (±0.7) | 83.7 | (±0.6) | 87.0 | (±0.7) |
| Varicella vaccine | | | | | | | | |
| 1 Dose | NA [¶] | | 16.0 | (±0.7) | 25.9 | (±0.7) | 43.2 | (±1.0) |
| Combined series | | | | | | | | |
| 4 DTP/3 Polio/1 MCV** | 76.2 | (±1.0) | 78.4 | (±0.8) | 77.9 | (±0.7) | 80.6 | (±0.9) |
| 4 DTP/3 Polio/1 MCV/3 Hib ^{††} | 74.2 | (±1.0) | 76.5 | (±0.8) | 76.2 | (±0.8) | 79.2 | (±0.9) |

*Children were born during February 1992–May 1994 (1995 survey), February 1993–May 1995 (1996 survey), February 1994–May 1996 (1997 survey), and February 1995–May 1997 (1998 survey).

[†] Confidence interval.

[§] Diphtheria and tetanus toxoids and pertussis vaccine/diphtheria and tetanus toxoids.

[¶] Not available. Data collection for varicella began in July 1996.

**Four or more doses of DTP/DT, three or more doses of poliovirus vaccine, and one or more doses of MCV.

^{††} Four or more doses of DTP/DT, three or more doses of poliovirus vaccine, one or more doses of MCV, and three or more doses of Hib.

Notice to Readers

Publication of Survey Results of Assessment of State Health Agencies' Readiness for 2000

Following publication of the results of a CDC assessment of the readiness for the year 2000 (Y2K) of state health agencies, CDC conducted a follow-up survey during June–August 1999 in which 47 states and the District of Columbia—covering 98.7% of the U.S. population—responded. Overall, responding states are 99% complete with Y2K assessment and 90% complete with Y2K readiness. Additional information from the states and trends from the initial to the follow-up survey identify no significant Y2K readiness vulnerabilities in critical public health functions. Complete results of this survey are available on the World-Wide Web at <http://www.cdc.gov/y2k/y2kssurvey.htm> and from the Information Resources Management Office, CDC, Mail-stop D45, 1600 Clifton Rd., N.E., Atlanta, GA 30333. CDC continues to work with states on Y2K readiness, including identifying and communicating Y2K issues that may occur during the transition to 2000.

In addition, CDC has completed end-to-end testing of six “high impact” federal systems covering disease monitoring, vaccine ordering, and financial transactions involving external partners. The tests were fully successful; results are available at <http://www.cdc.gov/y2k/y2khighimpact.htm>.

Reference

1. CDC. Assessment of public health computer readiness for 2000—United States, 1999. MMWR 1999;48:359–60,367.

Notices to Readers — Continued

Notice to Readers

Satellite Broadcast on Breast Cancer Screening

CDC, the University of North Carolina at Chapel Hill School of Public Health, the Association of Schools of Public Health, and the Public Health Training Network will cosponsor "Breast Cancer Screening: More Than Just Mammograms," on September 29, 1999, at 2–3 p.m. eastern time. The broadcast will be delivered through satellite downlink to sites nationwide and through an Internet webcast. Continuing education credit will be offered for various professions based on 1 hour of instruction.

This second in the series of Public Health Grand Rounds will feature a case demonstrating how a screening program can save lives. Participants will discuss the challenges of screening programs and the strategies implemented to meet them. The goal of this program is to promote a leadership-level national dialogue on breast cancer screening and the outreach efforts of state and local public health agencies.

This videoconference targets professionals from local, state, and federal health agencies; community and women's health centers; academic institutions; managed-care organizations; and others who want to learn more about breast cancer and improve the life expectancy of women at risk.

Registration for downlink sites and program participants is available only on the World-Wide Web at <http://www.PublicHealthGrandRounds.unc.edu>. There is no registration fee, but all participants must register to ensure adequate seating at satellite sites. Additional information is available from Donna Davis, MPH, Grand Rounds Project Director, telephone (919) 966-9134; fax (919) 966-9138; e-mail Grand.Rounds@sph.unc.edu.

Notice to Readers

Satellite Broadcast on HIV Prevention

"HIV Prevention with Faith Communities and Communities of Color," a satellite broadcast, is scheduled for Thursday, November 18, 1999, at 1–3 p.m. eastern time. Cosponsors are CDC and the Public Health Training Network. This forum will focus on activities and resources for human immunodeficiency virus (HIV) infection prevention within faith communities and racial and ethnic minority communities. Viewers will hear about CDC activities and programs throughout the country.

This broadcast is designed for organizations and persons interested in conducting HIV infection prevention activities and includes national and local faith-based institutions and organizations; community-based organizations; health departments; national and regional minority organizations; and HIV infection prevention community planning groups. Speakers will discuss the impact of the epidemic on faith communities and racial and ethnic minority communities, how local communities are responding, and partnerships and resources available to communities. Viewers are invited to fax questions and comments before and during the satellite broadcast.

Additional information for organizations and potential viewers is available through the World-Wide Web site for this broadcast, <http://www.cdcnpin.org/broadcast>, and

Notices to Readers — Continued

CDC's Fax Information System, telephone (888) 232-3299 ([888] CDC-FAXX), by entering document number 130031 and a return fax number. Organizations setting up viewing sites are encouraged to register online or by fax as early as possible so that potential viewers may access information about viewing locations when visiting the web site or calling the information line.

*Notice to Readers***Satellite Broadcast on Surveillance of Vaccine-Preventable Diseases**

CDC's National Immunization Program and the Public Health Training Network will cosponsor a live satellite broadcast, Surveillance of Vaccine-Preventable Diseases (VPDs), on December 2, 1999, from 12 noon to 3:30 p.m. eastern time. The broadcast is intended for physicians, infection control practitioners, epidemiologists, nurses, laboratorians, sanitarians, and others involved in surveillance of VPDs. The program will present guidelines for surveillance, case investigation, and outbreak control for diphtheria, *Haemophilus influenzae* type b, hepatitis A, influenza, measles, pertussis, rubella, and varicella, and will provide an in-depth discussion of several other issues related to VPD surveillance.

Continuing education credit for a variety of professions will be offered based on 3.5 hours of instruction. Additional information about the broadcast is available on the World-Wide Web at <http://www.cdc.gov/phtn/surveillance/vpd.htm>.

*Notice to Readers***Epidemiology in Action**

CDC and Emory University's Rollins School of Public Health will cosponsor a course, "Epidemiology in Action," during November 8–19, 1999, in Atlanta. The course is designed for state and local public health professionals.

The course emphasizes the practical application of epidemiology to public health problems and will consist of lectures, workshops, classroom exercises (including actual epidemiologic problems), and roundtable discussions. Topics covered include descriptive epidemiology and biostatistics, analytic epidemiology, epidemic investigations, public health surveillance, surveys and sampling, Epi Info software training, and discussions of selected prevalent diseases. There is a tuition charge.

Deadline for application is October 8, 1999. Additional information and applications are available from Emory University, International Health, Dept. (PIA), 1518 Clifton Rd., N.E., Room 742, Atlanta, GA 30322; telephone (404) 727-3485; fax (404) 727-4590; or on the World-Wide Web, <http://www.sph.emory.edu/EPICOURSES/>; or e-mail pvaleri@sph.emory.edu.

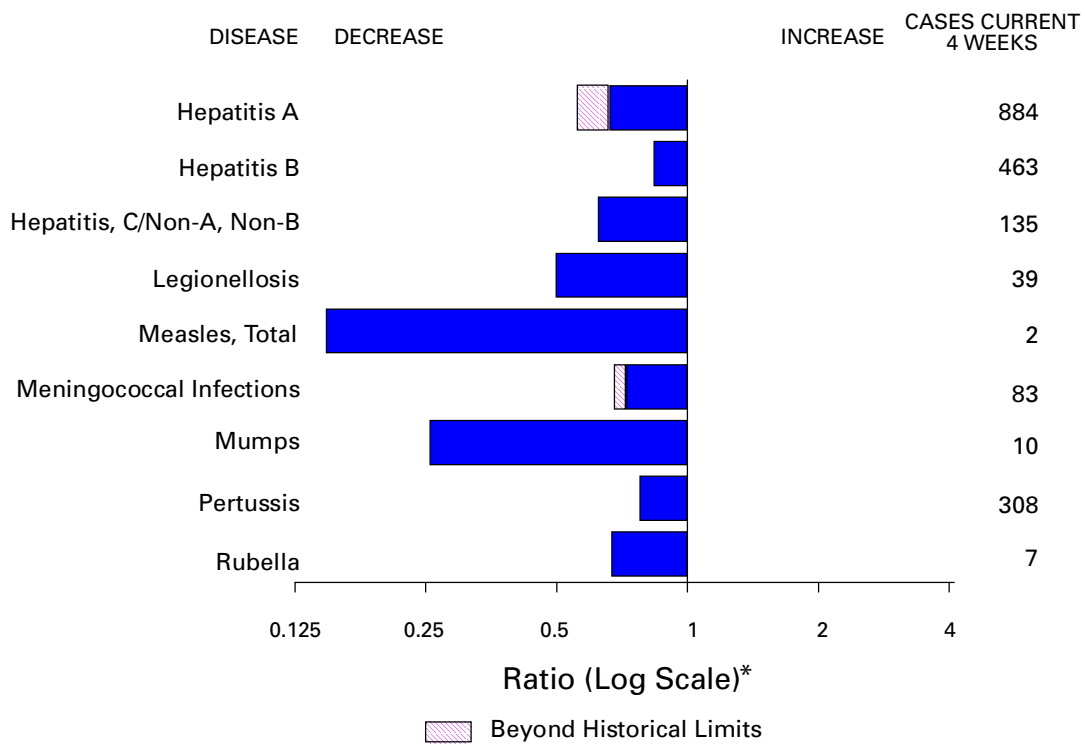
Erratum: Vol. 48, No. RR-7

In "Recommendations for the Use of Lyme Disease Vaccine: Recommendations of the Advisory Committee on Immunization Practice (ACIP)," in the section "Effect of Vaccination on the Serologic Diagnosis of Lyme Disease," on page 9 the statement that "anti-OspA antibodies do not develop after natural infection" is incorrect. Although antibody to OspA in patients with early Lyme disease is rarely evident, this antibody can be found in increasing amounts in patients with later stages of Lyme disease, particularly those with Lyme arthritis. Therefore, the paragraph should read: "Care providers and laboratorians should be advised that vaccine-induced anti-rOspA antibodies routinely cause false-positive ELISA results for exposure to *Borrelia burgdorferi* (74). Experienced laboratory workers, through careful interpretation of the results of immunoblots, can usually discriminate between *B. burgdorferi* infection and previous rOspA immunization. Although vaccination is expected to elicit antibody to OspA only, natural infection results in the production of antibody to additional diagnostic antigen bands in immunoblots."

Erratum: Vol. 48, No. SS-3

In the *CDC Surveillance Summaries* article titled "Surveillance of Work-Related Asthma in Selected U.S. States Using Surveillance Guidelines for State Health Departments—California, Massachusetts, Michigan, and New Jersey, 1993–1995," the second and third sentences of the second paragraph under "Epidemiology" on page 9 should have read: "Only 29 case-patients in Michigan and New Jersey (5.2% of the 562 case-patients in these two states) had medical record documentation of pulmonary function testing performed in relation to work. Of these, only 19 case-patients (3.4% overall) had medical record documentation of pulmonary function testing that substantiated work-relatedness." These two sentences also should be corrected in the third and fourth sentences in the first full paragraph on page 19.

FIGURE I. Selected notifiable disease reports, comparison of provisional 4-week totals ending September 18, 1999, with historical data — United States



*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 — provisional cases of selected notifiable diseases, United States, cumulative, week ending September 18, 1999 (37th Week)

| | Cum. 1999 | | Cum. 1999 |
|---------------------------------------------|-----------|-----------------------------------------|-----------|
| Anthrax | - | HIV infection, pediatric* [§] | 100 |
| Brucellosis* | 33 | Plague | 5 |
| Cholera | 4 | Poliomyelitis, paralytic | - |
| Congenital rubella syndrome | 3 | Psittacosis* | 15 |
| Cyclosporiasis* | 47 | Rabies, human | - |
| Diphtheria | 3 | Rocky Mountain spotted fever (RMSF) | 378 |
| Encephalitis: California* | 20 | Streptococcal disease, invasive Group A | 1,550 |
| eastern equine* | 4 | Streptococcal toxic-shock syndrome* | 28 |
| St. Louis* | 1 | Syphilis, congenital [¶] | 146 |
| western equine* | - | Tetanus | 27 |
| Ehrlichiosis | 109 | Toxic-shock syndrome | 86 |
| human granulocytic (HGE)* | 26 | Trichinosis | 8 |
| human monocytic (HME)* | 62 | Typhoid fever | 226 |
| Hansen Disease* | 16 | Yellow fever | - |
| Hantavirus pulmonary syndrome* [†] | 65 | | |
| Hemolytic uremic syndrome, post-diarrheal* | | | |

-:no reported cases

*Not notifiable in all states.

[†] Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (NCID).

[§] 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 29, 1999.

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

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending September 18, 1999, and September 19, 1998 (37th Week)

| Reporting Area | AIDS | | Chlamydia | | Cryptosporidiosis | | <i>Escherichia coli</i> O157:H7* | | | |
|----------------|------------|-----------|-----------|-----------|-------------------|-----------|----------------------------------|-----------|-----------|-----------|
| | Cum. 1999† | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | NETSS | | PHLIS | |
| | | | | | | | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 |
| UNITED STATES | 30,285 | 32,804 | 409,305 | 415,063 | 1,396 | 2,788 | 2,039 | 2,051 | 1,325 | 1,662 |
| NEW ENGLAND | 1,532 | 1,274 | 14,082 | 14,438 | 89 | 118 | 223 | 258 | 225 | 223 |
| Maine | 51 | 22 | 739 | 680 | 19 | 25 | 25 | 29 | - | - |
| N.H. | 36 | 25 | 672 | 689 | 10 | 12 | 24 | 34 | 26 | 40 |
| Vt. | 11 | 17 | 340 | 298 | 26 | 21 | 23 | 12 | 12 | 10 |
| Mass. | 1,005 | 684 | 6,509 | 5,890 | 33 | 55 | 128 | 126 | 115 | 130 |
| R.I. | 73 | 93 | 1,630 | 1,633 | 1 | 5 | 23 | 11 | 6 | 1 |
| Conn. | 356 | 433 | 4,192 | 5,248 | - | - | U | 46 | 66 | 42 |
| MID. ATLANTIC | 7,780 | 9,314 | 47,543 | 42,952 | 230 | 417 | 142 | 218 | 47 | 76 |
| Upstate N.Y. | 890 | 1,100 | N | N | 100 | 246 | 112 | 151 | - | - |
| N.Y. City | 4,062 | 5,216 | 21,963 | 18,720 | 107 | 155 | 6 | 11 | 14 | 12 |
| N.J. | 1,476 | 1,685 | 7,025 | 8,260 | 13 | 16 | 24 | 56 | 32 | 44 |
| Pa. | 1,352 | 1,313 | 18,555 | 15,972 | 10 | N | N | N | 1 | 20 |
| E.N. CENTRAL | 1,980 | 2,377 | 59,167 | 70,053 | 263 | 543 | 411 | 334 | 311 | 287 |
| Ohio | 291 | 509 | 17,240 | 18,620 | 33 | 53 | 139 | 87 | 112 | 55 |
| Ind. | 247 | 376 | 7,041 | 7,563 | 26 | 41 | 60 | 74 | 32 | 40 |
| Ill. | 933 | 881 | 20,358 | 18,912 | 17 | 61 | 135 | 94 | 81 | 66 |
| Mich. | 405 | 466 | 14,528 | 15,203 | 37 | 31 | 77 | 79 | 48 | 54 |
| Wis. | 104 | 145 | U | 9,755 | 150 | 357 | N | N | 38 | 72 |
| W.N. CENTRAL | 678 | 604 | 24,144 | 24,576 | 158 | 219 | 446 | 314 | 223 | 310 |
| Minn. | 114 | 118 | 4,847 | 4,932 | 60 | 77 | 183 | 120 | 124 | 165 |
| Iowa | 62 | 51 | 2,934 | 3,168 | 46 | 56 | 88 | 74 | 37 | 47 |
| Mo. | 340 | 281 | 8,595 | 8,851 | 21 | 18 | 34 | 37 | 41 | 48 |
| N. Dak. | 4 | 4 | 325 | 709 | 14 | 25 | 10 | 10 | 1 | 13 |
| S. Dak. | 13 | 13 | 1,135 | 1,098 | 6 | 19 | 38 | 22 | 13 | 28 |
| Nebr. | 45 | 56 | 2,082 | 1,911 | 10 | 20 | 72 | 29 | - | - |
| Kans. | 100 | 81 | 4,226 | 3,907 | 1 | 4 | 21 | 22 | 7 | 9 |
| S. ATLANTIC | 8,314 | 8,433 | 87,529 | 79,977 | 256 | 210 | 227 | 169 | 129 | 132 |
| Del. | 112 | 104 | 1,902 | 1,799 | - | 3 | 6 | - | 3 | 2 |
| Md. | 889 | 1,035 | 7,447 | 5,344 | 11 | 14 | 13 | 30 | - | 14 |
| D.C. | 321 | 635 | N | N | 8 | 6 | - | 1 | U | U |
| Va. | 508 | 685 | 10,135 | 9,712 | 18 | 12 | 56 | N | 42 | 46 |
| W. Va. | 46 | 65 | 1,204 | 1,716 | 2 | 1 | 8 | 8 | 4 | 7 |
| N.C. | 552 | 636 | 15,777 | 15,537 | 6 | N | 49 | 43 | 46 | 37 |
| S.C. | 764 | 504 | 8,449 | 12,980 | - | - | 17 | 8 | 14 | 7 |
| Ga. | 1,235 | 858 | 21,374 | 16,298 | 110 | 73 | 23 | 56 | - | - |
| Fla. | 3,887 | 3,911 | 21,241 | 16,591 | 101 | 101 | 55 | 23 | 20 | 19 |
| E.S. CENTRAL | 1,363 | 1,381 | 32,681 | 28,903 | 21 | 19 | 91 | 91 | 50 | 52 |
| Ky. | 201 | 193 | 5,033 | 4,477 | 5 | 8 | 25 | 28 | - | - |
| Tenn. | 540 | 489 | 10,028 | 9,481 | 6 | 6 | 43 | 38 | 30 | 33 |
| Ala. | 337 | 394 | 9,204 | 7,173 | 8 | N | 19 | 20 | 16 | 17 |
| Miss. | 285 | 305 | 8,416 | 7,772 | 2 | 5 | 4 | 5 | 4 | 2 |
| W.S. CENTRAL | 3,201 | 3,860 | 60,408 | 63,057 | 51 | 838 | 67 | 75 | 74 | 78 |
| Ark. | 123 | 159 | 4,195 | 2,758 | 1 | 6 | 9 | 8 | 7 | 8 |
| La. | 596 | 686 | 10,879 | 10,440 | 22 | 14 | 9 | 4 | 11 | 4 |
| Okla. | 94 | 238 | 5,637 | 7,018 | 6 | N | 16 | 12 | 12 | 6 |
| Tex. | 2,388 | 2,777 | 39,697 | 42,841 | 22 | 818 | 33 | 51 | 44 | 60 |
| MOUNTAIN | 1,174 | 1,102 | 22,918 | 23,045 | 75 | 106 | 195 | 272 | 86 | 200 |
| Mont. | 7 | 23 | 1,099 | 924 | 10 | 9 | 13 | 14 | - | 5 |
| Idaho | 16 | 19 | 1,200 | 1,370 | 7 | 16 | 26 | 31 | 8 | 19 |
| Wyo. | 6 | 1 | 504 | 485 | 1 | - | 10 | 51 | 5 | 54 |
| Colo. | 208 | 230 | 4,617 | 5,674 | 10 | 15 | 71 | 57 | 40 | 46 |
| N. Mex. | 67 | 178 | 2,814 | 2,508 | 32 | 42 | 8 | 17 | 4 | 15 |
| Ariz. | 607 | 384 | 8,935 | 8,094 | 9 | 16 | 24 | 33 | 15 | 25 |
| Utah | 102 | 91 | 1,521 | 1,564 | N | N | 30 | 56 | 12 | 21 |
| Nev. | 161 | 176 | 2,228 | 2,426 | 6 | 8 | 13 | 13 | 2 | 15 |
| PACIFIC | 4,263 | 4,459 | 60,833 | 68,062 | 253 | 318 | 237 | 320 | 180 | 304 |
| Wash. | 250 | 300 | 8,325 | 7,809 | N | N | 80 | 66 | 64 | 86 |
| Oreg. | 136 | 129 | 3,988 | 3,830 | 80 | 49 | 54 | N | 55 | 85 |
| Calif. | 3,803 | 3,882 | 45,184 | 53,331 | 173 | 266 | 97 | 159 | 52 | 120 |
| Alaska | 13 | 17 | 1,350 | 1,327 | - | - | 1 | 4 | - | - |
| Hawaii | 61 | 131 | 1,986 | 1,765 | - | 3 | 5 | - | 9 | 13 |
| Guam | 5 | - | 226 | 287 | - | - | N | N | U | U |
| P.R. | 936 | 1,243 | U | U | - | N | 5 | 5 | U | U |
| V.I. | 25 | 24 | U | U | U | U | U | U | U | U |
| Amer. Samoa | - | - | U | U | U | U | U | U | U | U |
| C.N.M.I. | - | - | U | U | U | U | U | U | U | U |

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

*Individual cases may be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

†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 29, 1999.

TABLE II. (Cont'd.) Provisional cases of selected notifiable diseases, United States, weeks ending September 18, 1999, and September 19, 1998 (37th Week)

| Reporting Area | Gonorrhea | | Hepatitis C/NA,NB | | Legionellosis | | Lyme Disease | |
|----------------|-----------|-----------|-------------------|-----------|---------------|-----------|--------------|-----------|
| | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 |
| UNITED STATES | 223,601 | 247,002 | 2,356 | 2,292 | 596 | 913 | 7,822 | 11,126 |
| NEW ENGLAND | 4,212 | 4,286 | 59 | 48 | 50 | 56 | 2,679 | 3,594 |
| Maine | 42 | 46 | 2 | - | 4 | 1 | 22 | 63 |
| N.H. | 81 | 70 | - | - | 4 | 3 | 5 | 32 |
| Vt. | 36 | 25 | 4 | 2 | 11 | 4 | 12 | 9 |
| Mass. | 1,816 | 1,519 | 50 | 43 | 16 | 26 | 811 | 623 |
| R.I. | 412 | 264 | 3 | 3 | 6 | 13 | 350 | 343 |
| Conn. | 1,825 | 2,362 | - | - | 9 | 9 | 1,479 | 2,524 |
| MID. ATLANTIC | 27,125 | 26,470 | 105 | 155 | 114 | 232 | 3,913 | 5,848 |
| Upstate N.Y. | 4,541 | 4,953 | 70 | 80 | 36 | 73 | 2,796 | 2,999 |
| N.Y. City | 9,463 | 8,402 | - | - | 9 | 32 | 27 | 179 |
| N.J. | 4,284 | 5,517 | - | U | 11 | 14 | 376 | 1,024 |
| Pa. | 8,837 | 7,598 | 35 | 75 | 58 | 113 | 714 | 1,646 |
| E.N. CENTRAL | 39,738 | 48,145 | 1,219 | 522 | 166 | 305 | 90 | 611 |
| Ohio | 10,421 | 11,923 | 1 | 7 | 55 | 98 | 58 | 32 |
| Ind. | 3,834 | 4,488 | 1 | 5 | 26 | 55 | 16 | 25 |
| Ill. | 15,084 | 15,699 | 27 | 34 | 10 | 39 | 10 | 11 |
| Mich. | 10,399 | 11,646 | 600 | 361 | 48 | 61 | 1 | 12 |
| Wis. | U | 4,389 | 590 | 115 | 27 | 52 | 5 | 531 |
| W.N. CENTRAL | 9,895 | 12,176 | 91 | 29 | 37 | 50 | 123 | 166 |
| Minn. | 1,847 | 1,856 | 6 | 9 | 6 | 5 | 73 | 125 |
| Iowa | 672 | 1,056 | - | 7 | 14 | 7 | 14 | 22 |
| Mo. | 4,448 | 6,474 | 76 | 10 | 12 | 14 | 17 | 11 |
| N. Dak. | 31 | 57 | - | - | - | - | 1 | - |
| S. Dak. | 130 | 173 | - | - | 2 | 3 | - | - |
| Nebr. | 941 | 790 | 3 | 2 | 3 | 15 | 6 | 3 |
| Kans. | 1,826 | 1,770 | 6 | 1 | - | 6 | 12 | 5 |
| S. ATLANTIC | 63,808 | 66,462 | 155 | 76 | 91 | 102 | 785 | 686 |
| Del. | 1,191 | 1,002 | 1 | - | 10 | 9 | 22 | 55 |
| Md. | 6,110 | 6,094 | 34 | 8 | 17 | 27 | 555 | 498 |
| D.C. | 1,395 | 3,178 | 1 | - | 3 | 6 | 3 | 4 |
| Va. | 6,736 | 6,438 | 10 | 11 | 21 | 16 | 86 | 50 |
| W. Va. | 363 | 630 | 14 | 6 | - | N | 14 | 9 |
| N.C. | 13,839 | 13,482 | 30 | 18 | 13 | 8 | 61 | 42 |
| S.C. | 4,842 | 8,403 | 18 | 3 | 7 | 7 | 5 | 3 |
| Ga. | 14,359 | 14,200 | 1 | 9 | - | 7 | - | 5 |
| Fla. | 14,973 | 13,035 | 46 | 21 | 20 | 22 | 39 | 20 |
| E.S. CENTRAL | 26,082 | 27,788 | 197 | 213 | 33 | 51 | 64 | 84 |
| Ky. | 2,234 | 2,561 | 14 | 18 | 16 | 25 | 6 | 18 |
| Tenn. | 8,071 | 8,269 | 83 | 127 | 14 | 14 | 30 | 38 |
| Ala. | 8,141 | 9,307 | 2 | 4 | 3 | 5 | 17 | 15 |
| Miss. | 7,636 | 7,651 | 98 | 64 | - | 7 | 11 | 13 |
| W.S. CENTRAL | 34,113 | 38,905 | 158 | 355 | 5 | 14 | 24 | 18 |
| Ark. | 2,113 | 2,920 | 8 | 14 | - | 1 | 4 | 6 |
| La. | 8,653 | 8,946 | 102 | 33 | 2 | 2 | - | 3 |
| Okla. | 2,785 | 3,820 | 14 | 9 | 3 | 8 | 4 | 2 |
| Tex. | 20,562 | 23,219 | 34 | 299 | - | 3 | 16 | 7 |
| MOUNTAIN | 6,601 | 6,356 | 111 | 301 | 36 | 55 | 12 | 12 |
| Mont. | 33 | 30 | 5 | 7 | - | 2 | - | - |
| Idaho | 59 | 129 | 6 | 86 | 1 | 2 | 3 | 3 |
| Wyo. | 20 | 24 | 34 | 69 | - | 1 | 3 | 1 |
| Colo. | 1,644 | 1,448 | 18 | 21 | 10 | 13 | - | - |
| N. Mex. | 573 | 623 | 7 | 74 | 1 | 2 | 1 | 4 |
| Ariz. | 3,211 | 2,886 | 27 | 6 | 5 | 14 | - | - |
| Utah | 147 | 167 | 6 | 19 | 13 | 17 | 3 | - |
| Nev. | 914 | 1,049 | 8 | 19 | 6 | 4 | 2 | 4 |
| PACIFIC | 12,027 | 16,414 | 261 | 593 | 64 | 48 | 132 | 107 |
| Wash. | 1,424 | 1,334 | 13 | 15 | 11 | 9 | 5 | 6 |
| Oreg. | 562 | 560 | 15 | 15 | N | N | 10 | 16 |
| Calif. | 9,538 | 13,937 | 233 | 509 | 52 | 37 | 117 | 84 |
| Alaska | 220 | 228 | - | - | 1 | 1 | - | 1 |
| Hawaii | 283 | 355 | - | 54 | - | 1 | N | N |
| Guam | 32 | 43 | - | 1 | - | 2 | - | 1 |
| P.R. | 215 | 284 | - | - | - | - | N | N |
| V.I. | U | U | U | U | U | U | U | U |
| Amer. Samoa | U | U | U | U | U | U | U | U |
| C.N.M.I. | U | U | U | U | U | U | U | U |

N: Not notifiable U: Unavailable -: no reported cases

TABLE II. (Cont'd.) Provisional cases of selected notifiable diseases, United States, weeks ending September 18, 1999, and September 19, 1998 (37th Week)

| Reporting Area | Malaria | | Rabies, Animal | | Salmonellosis* | | | |
|----------------|--------------|--------------|----------------|--------------|----------------|--------------|--------------|--------------|
| | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | NETSS | | PHLIS | |
| | | | | | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 |
| UNITED STATES | 881 | 1,036 | 4,170 | 5,422 | 24,045 | 28,491 | 19,365 | 24,528 |
| NEW ENGLAND | 48 | 45 | 629 | 1,069 | 1,203 | 1,793 | 1,322 | 1,714 |
| Maine | 3 | 3 | 116 | 169 | 104 | 127 | 75 | 48 |
| N.H. | 2 | 4 | 38 | 54 | 94 | 137 | 110 | 178 |
| Vt. | 4 | - | 77 | 50 | 68 | 96 | 56 | 74 |
| Mass. | 15 | 16 | 143 | 380 | 857 | 1,006 | 718 | 1,019 |
| R.I. | 4 | 4 | 72 | 67 | 80 | 96 | 52 | 33 |
| Conn. | 20 | 18 | 183 | 349 | U | 331 | 311 | 362 |
| MID. ATLANTIC | 195 | 312 | 772 | 1,185 | 2,731 | 4,694 | 2,516 | 4,481 |
| Upstate N.Y. | 53 | 62 | 566 | 832 | 897 | 1,120 | 860 | 1,051 |
| N.Y. City | 84 | 180 | U | U | 937 | 1,448 | 712 | 1,223 |
| N.J. | 37 | 45 | 133 | 148 | 370 | 1,024 | 535 | 1,005 |
| Pa. | 21 | 25 | 73 | 205 | 527 | 1,102 | 409 | 1,202 |
| E.N. CENTRAL | 83 | 115 | 121 | 89 | 3,530 | 4,643 | 2,389 | 3,511 |
| Ohio | 18 | 10 | 29 | 48 | 838 | 1,105 | 702 | 890 |
| Ind. | 12 | 10 | 11 | 8 | 351 | 507 | 277 | 410 |
| Ill. | 20 | 48 | 9 | N | 1,156 | 1,432 | 399 | 1,056 |
| Mich. | 28 | 38 | 69 | 30 | 692 | 854 | 658 | 771 |
| Wis. | 5 | 9 | 3 | 3 | 493 | 745 | 353 | 384 |
| W.N. CENTRAL | 49 | 70 | 558 | 554 | 1,604 | 1,675 | 1,525 | 1,717 |
| Minn. | 21 | 39 | 83 | 94 | 470 | 401 | 516 | 464 |
| Iowa | 12 | 7 | 126 | 120 | 196 | 293 | 121 | 229 |
| Mo. | 12 | 13 | 12 | 31 | 471 | 460 | 663 | 628 |
| N. Dak. | - | 2 | 119 | 102 | 38 | 45 | 4 | 59 |
| S. Dak. | - | - | 129 | 128 | 72 | 81 | 58 | 94 |
| Nebr. | - | 1 | 2 | 6 | 138 | 128 | - | 30 |
| Kans. | 4 | 8 | 87 | 73 | 219 | 267 | 163 | 213 |
| S. ATLANTIC | 254 | 205 | 1,503 | 1,808 | 5,627 | 5,365 | 3,782 | 4,198 |
| Del. | 1 | 2 | 34 | 33 | 105 | 63 | 120 | 98 |
| Md. | 71 | 63 | 292 | 352 | 615 | 644 | 627 | 644 |
| D.C. | 13 | 14 | - | - | 57 | 55 | U | U |
| Va. | 52 | 39 | 375 | 427 | 961 | 728 | 739 | 664 |
| W. Va. | 1 | 2 | 87 | 62 | 115 | 115 | 110 | 112 |
| N.C. | 23 | 18 | 310 | 459 | 853 | 748 | 918 | 952 |
| S.C. | 11 | 5 | 117 | 104 | 373 | 357 | 307 | 373 |
| Ga. | 21 | 27 | 145 | 224 | 858 | 1,059 | 651 | 994 |
| Fla. | 61 | 35 | 143 | 147 | 1,690 | 1,596 | 310 | 361 |
| E.S. CENTRAL | 18 | 23 | 196 | 219 | 1,222 | 1,562 | 747 | 1,156 |
| Ky. | 6 | 4 | 31 | 27 | 287 | 280 | - | 124 |
| Tenn. | 7 | 12 | 65 | 117 | 326 | 411 | 386 | 517 |
| Ala. | 4 | 5 | 100 | 73 | 395 | 491 | 308 | 421 |
| Miss. | 1 | 2 | - | 2 | 214 | 380 | 53 | 94 |
| W.S. CENTRAL | 14 | 28 | 81 | 26 | 2,029 | 2,936 | 2,193 | 2,204 |
| Ark. | 1 | 1 | 14 | 26 | 388 | 365 | 116 | 263 |
| La. | 10 | 11 | - | - | 334 | 411 | 370 | 530 |
| Okla. | 2 | 3 | 67 | N | 260 | 315 | 212 | 154 |
| Tex. | 1 | 13 | - | - | 1,047 | 1,845 | 1,495 | 1,257 |
| MOUNTAIN | 34 | 51 | 144 | 184 | 2,173 | 1,791 | 1,456 | 1,571 |
| Mont. | 4 | 1 | 50 | 44 | 45 | 64 | 1 | 39 |
| Idaho | 3 | 7 | - | N | 71 | 85 | 56 | 72 |
| Wyo. | 1 | - | 33 | 53 | 40 | 49 | 22 | 47 |
| Colo. | 14 | 14 | 1 | 22 | 559 | 414 | 537 | 396 |
| N. Mex. | 2 | 12 | 8 | 5 | 263 | 229 | 198 | 203 |
| Ariz. | 5 | 8 | 43 | 35 | 677 | 548 | 564 | 549 |
| Utah | 3 | 1 | 6 | 19 | 381 | 256 | 25 | 121 |
| Nev. | 2 | 8 | 3 | 6 | 137 | 146 | 53 | 144 |
| PACIFIC | 186 | 187 | 166 | 288 | 3,926 | 4,032 | 3,435 | 3,976 |
| Wash. | 18 | 16 | - | - | 459 | 353 | 576 | 486 |
| Oreg. | 15 | 13 | 1 | 3 | 337 | 227 | 402 | 254 |
| Calif. | 145 | 152 | 158 | 262 | 2,829 | 3,219 | 2,233 | 3,006 |
| Alaska | 1 | 2 | 7 | 23 | 35 | 43 | 6 | 27 |
| Hawaii | 7 | 4 | - | - | 266 | 190 | 218 | 203 |
| Guam | - | 2 | - | - | 20 | 23 | U | U |
| P.R. | - | - | 47 | 37 | 255 | 537 | U | U |
| V.I. | U | U | U | U | U | U | U | U |
| Amer. Samoa | U | U | U | U | U | U | U | U |
| C.N.M.I. | U | U | U | U | U | U | U | U |

N: Not notifiable U: Unavailable -: no reported cases

*Individual cases may 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 18, 1999, and September 19, 1998 (37th Week)

| Reporting Area | Shigellosis* | | | | Syphilis (Primary & Secondary) | | Tuberculosis | |
|----------------|--------------|--------------|--------------|--------------|-----------------------------------|--------------|---------------|---------------|
| | NETSS | | PHLIS | | Cum. 1999 | Cum. 1998 | Cum. 1999† | Cum. 1998† |
| | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | | | | |
| UNITED STATES | 10,052 | 14,302 | 4,948 | 8,011 | 4,461 | 5,040 | 9,963 | 11,481 |
| NEW ENGLAND | 461 | 333 | 381 | 296 | 37 | 55 | 279 | 316 |
| Maine | 4 | 11 | - | - | - | 1 | 13 | 6 |
| N.H. | 13 | 13 | 12 | 15 | - | 1 | 6 | - |
| Vt. | 5 | 6 | 3 | - | 3 | 4 | 1 | 3 |
| Mass. | 421 | 222 | 315 | 212 | 23 | 34 | 166 | 183 |
| R.I. | 18 | 25 | 9 | 13 | 1 | 1 | 29 | 39 |
| Conn. | U | 56 | 42 | 56 | 10 | 14 | 64 | 85 |
| MID. ATLANTIC | 582 | 1,827 | 306 | 1,429 | 161 | 218 | 1,818 | 2,051 |
| Upstate N.Y. | 207 | 388 | 45 | 137 | 24 | 29 | 216 | 253 |
| N.Y. City | 201 | 574 | 82 | 529 | 67 | 48 | 990 | 1,003 |
| N.J. | 102 | 564 | 121 | 538 | 40 | 72 | 367 | 440 |
| Pa. | 72 | 301 | 58 | 225 | 30 | 69 | 245 | 355 |
| E.N. CENTRAL | 1,768 | 2,059 | 997 | 1,066 | 817 | 743 | 907 | 1,165 |
| Ohio | 326 | 396 | 92 | 98 | 68 | 100 | 179 | 172 |
| Ind. | 183 | 126 | 50 | 33 | 294 | 145 | 59 | 112 |
| Ill. | 704 | 1,110 | 592 | 884 | 303 | 306 | 390 | 557 |
| Mich. | 300 | 204 | 197 | 4 | 152 | 141 | 209 | 251 |
| Wis. | 255 | 223 | 66 | 47 | U | 51 | 70 | 73 |
| W.N. CENTRAL | 825 | 791 | 527 | 455 | 92 | 98 | 322 | 319 |
| Minn. | 191 | 246 | 184 | 278 | 7 | 6 | 108 | 104 |
| Iowa | 24 | 55 | 16 | 37 | 9 | - | 33 | 28 |
| Mo. | 520 | 91 | 289 | 67 | 60 | 76 | 132 | 117 |
| N. Dak. | 2 | 6 | - | 3 | - | - | 6 | 7 |
| S. Dak. | 11 | 30 | 5 | 21 | - | 1 | 12 | 16 |
| Nebr. | 40 | 325 | - | 16 | 6 | 4 | 12 | 11 |
| Kans. | 37 | 38 | 33 | 33 | 10 | 11 | 19 | 36 |
| S. ATLANTIC | 1,741 | 3,014 | 355 | 951 | 1,461 | 1,840 | 2,151 | 1,972 |
| Del. | 12 | 23 | 7 | 20 | 6 | 17 | 12 | 27 |
| Md. | 106 | 149 | 34 | 53 | 269 | 496 | 191 | 223 |
| D.C. | 42 | 20 | U | U | 45 | 60 | 34 | 82 |
| Va. | 92 | 143 | 43 | 71 | 117 | 116 | 168 | 187 |
| W. Va. | 7 | 11 | 3 | 7 | 2 | 2 | 31 | 30 |
| N.C. | 156 | 222 | 67 | 106 | 356 | 543 | 314 | 278 |
| S.C. | 94 | 116 | 49 | 56 | 193 | 214 | 201 | 214 |
| Ga. | 162 | 822 | 37 | 197 | 248 | 199 | 432 | 364 |
| Fla. | 1,070 | 1,508 | 115 | 441 | 225 | 193 | 768 | 567 |
| E.S. CENTRAL | 840 | 626 | 429 | 421 | 819 | 874 | 636 | 834 |
| Ky. | 192 | 92 | - | 45 | 69 | 79 | 112 | 124 |
| Tenn. | 509 | 131 | 374 | 189 | 465 | 405 | 245 | 264 |
| Ala. | 84 | 362 | 47 | 180 | 160 | 210 | 223 | 282 |
| Miss. | 55 | 41 | 8 | 7 | 125 | 180 | 56 | 164 |
| W.S. CENTRAL | 1,441 | 2,790 | 1,410 | 867 | 709 | 756 | 1,026 | 1,669 |
| Ark. | 61 | 144 | 21 | 43 | 45 | 84 | 126 | 90 |
| La. | 118 | 221 | 72 | 203 | 200 | 302 | U | 127 |
| Okla. | 372 | 264 | 128 | 77 | 139 | 51 | 92 | 128 |
| Tex. | 890 | 2,161 | 1,189 | 544 | 325 | 319 | 808 | 1,324 |
| MOUNTAIN | 689 | 874 | 392 | 549 | 164 | 177 | 293 | 381 |
| Mont. | 7 | 8 | - | 3 | 1 | - | 10 | 15 |
| Idaho | 17 | 17 | 7 | 12 | 1 | 2 | 14 | 7 |
| Wyo. | 3 | 2 | 1 | - | - | 1 | 2 | 4 |
| Colo. | 118 | 144 | 80 | 112 | 1 | 8 | U | 44 |
| N. Mex. | 90 | 213 | 53 | 114 | 9 | 22 | 47 | 46 |
| Ariz. | 350 | 427 | 240 | 273 | 144 | 128 | 155 | 142 |
| Utah | 48 | 35 | 5 | 26 | 2 | 3 | 30 | 42 |
| Nev. | 56 | 28 | 6 | 9 | 6 | 13 | 35 | 81 |
| PACIFIC | 1,705 | 1,988 | 151 | 1,977 | 201 | 279 | 2,531 | 2,774 |
| Wash. | 72 | 125 | 65 | 126 | 48 | 23 | 139 | 184 |
| Oreg. | 63 | 108 | 62 | 98 | 6 | 4 | 75 | 98 |
| Calif. | 1,544 | 1,718 | - | 1,718 | 143 | 249 | 2,159 | 2,326 |
| Alaska | - | 4 | - | 2 | 1 | 1 | 40 | 36 |
| Hawaii | 26 | 33 | 24 | 33 | 3 | 2 | 118 | 130 |
| Guam | 7 | 29 | U | U | 1 | 1 | - | 63 |
| P.R. | 62 | 46 | U | U | 121 | 143 | 41 | 108 |
| V.I. | U | U | U | U | U | U | U | U |
| Amer. Samoa | U | U | U | U | U | U | U | U |
| C.N.M.I. | U | U | U | U | U | U | U | U |

N: Not notifiable U: Unavailable -: no reported cases

*Individual cases may be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

†Cumulative reports of provisional tuberculosis cases for 1999 are unavailable ("U") for some areas using the Tuberculosis Information System (TIMS).

TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending September 18, 1999, and September 19, 1998 (37th Week)

| Reporting Area | <i>H. influenzae</i> , invasive | | Hepatitis (Viral), by type | | | | Measles (Rubeola) | | | | | |
|----------------|---------------------------------|-----------|----------------------------|-----------|-----------|-----------|-------------------|-----------|-----------|-----------|-----------|-----------|
| | Cum. 1999† | Cum. 1998 | A | | B | | Indigenous | | Imported* | | Total | |
| | | | Cum. 1999 | Cum. 1998 | Cum. 1999 | Cum. 1998 | 1999 | Cum. 1999 | 1999 | Cum. 1999 | Cum. 1999 | Cum. 1998 |
| UNITED STATES | 829 | 805 | 10,788 | 16,075 | 4,639 | 6,946 | - | 37 | - | 19 | 56 | 58 |
| NEW ENGLAND | 61 | 52 | 171 | 215 | 72 | 152 | - | 6 | - | 4 | 10 | 3 |
| Maine | 5 | 2 | 5 | 16 | 1 | 2 | - | - | - | - | - | - |
| N.H. | 14 | 8 | 11 | 9 | 10 | 13 | - | - | - | 1 | 1 | - |
| Vt. | 5 | 5 | 8 | 13 | 2 | 6 | - | - | - | - | - | 1 |
| Mass. | 23 | 33 | 58 | 90 | 32 | 56 | - | 5 | - | 2 | 7 | 2 |
| R.I. | 1 | 3 | 14 | 13 | 27 | 49 | - | - | - | - | - | - |
| Conn. | 13 | 1 | 75 | 74 | - | 26 | - | 1 | - | 1 | 2 | - |
| MID. ATLANTIC | 130 | 129 | 672 | 1,241 | 497 | 908 | - | - | - | 2 | 2 | 14 |
| Upstate N.Y. | 63 | 43 | 185 | 257 | 142 | 173 | - | - | - | 2 | 2 | 2 |
| N.Y. City | 28 | 36 | 181 | 427 | 153 | 316 | - | - | - | - | - | - |
| N.J. | 38 | 43 | 57 | 253 | 40 | 165 | - | - | - | - | - | 8 |
| Pa. | 1 | 7 | 249 | 304 | 162 | 254 | - | - | - | - | - | 4 |
| E.N. CENTRAL | 128 | 139 | 2,001 | 2,537 | 456 | 1,034 | - | 1 | - | 1 | 2 | 15 |
| Ohio | 47 | 42 | 473 | 243 | 70 | 57 | U | - | U | - | - | 1 |
| Ind. | 20 | 35 | 78 | 114 | 35 | 80 | - | 1 | - | - | 1 | 3 |
| Ill. | 51 | 49 | 405 | 583 | 1 | 180 | - | - | - | - | - | - |
| Mich. | 10 | 7 | 1,019 | 1,441 | 349 | 335 | - | - | - | 1 | 1 | 10 |
| Wis. | - | 6 | 26 | 156 | 1 | 382 | - | - | - | - | - | 1 |
| W.N. CENTRAL | 72 | 73 | 576 | 1,113 | 228 | 294 | - | - | - | - | - | - |
| Minn. | 35 | 57 | 58 | 95 | 37 | 33 | - | - | - | - | - | - |
| Iowa | 7 | 2 | 108 | 373 | 27 | 45 | - | - | - | - | - | - |
| Mo. | 21 | 8 | 319 | 518 | 125 | 178 | - | - | - | - | - | - |
| N. Dak. | 1 | - | 2 | 3 | - | 4 | - | - | - | - | - | - |
| S. Dak. | 1 | - | 8 | 21 | 1 | 2 | - | - | - | - | - | - |
| Nebr. | 3 | - | 41 | 22 | 11 | 12 | - | - | - | - | - | - |
| Kans. | 4 | 6 | 40 | 81 | 27 | 20 | - | - | - | - | - | - |
| S. ATLANTIC | 193 | 146 | 1,432 | 1,360 | 889 | 731 | - | 1 | - | 4 | 5 | 8 |
| Del. | - | - | 2 | 3 | - | - | - | - | - | - | - | 1 |
| Md. | 50 | 44 | 264 | 301 | 129 | 108 | - | - | - | - | - | 1 |
| D.C. | 4 | - | 53 | 44 | 19 | 10 | - | - | - | - | - | - |
| Va. | 14 | 15 | 113 | 160 | 67 | 75 | - | 1 | - | 2 | 3 | 2 |
| W. Va. | 6 | 5 | 28 | 4 | 20 | 5 | - | - | - | - | - | - |
| N.C. | 28 | 23 | 110 | 90 | 182 | 158 | - | - | - | - | - | - |
| S.C. | 5 | 3 | 31 | 23 | 58 | 27 | - | - | - | - | - | - |
| Ga. | 51 | 32 | 347 | 401 | 122 | 124 | - | - | - | - | - | 2 |
| Fla. | 35 | 24 | 484 | 334 | 292 | 224 | - | - | - | 2 | 2 | 2 |
| E.S. CENTRAL | 51 | 43 | 286 | 295 | 326 | 346 | - | - | - | - | - | 2 |
| Ky. | 6 | 7 | 51 | 24 | 31 | 36 | - | - | - | - | - | - |
| Tenn. | 28 | 24 | 142 | 173 | 172 | 192 | - | - | - | - | - | 1 |
| Ala. | 15 | 10 | 44 | 53 | 65 | 48 | - | - | - | - | - | 1 |
| Miss. | 2 | 2 | 49 | 45 | 58 | 70 | - | - | - | - | - | - |
| W.S. CENTRAL | 42 | 41 | 2,039 | 2,817 | 664 | 1,568 | - | 5 | - | 3 | 8 | - |
| Ark. | 2 | - | 42 | 69 | 35 | 79 | - | - | - | - | - | - |
| La. | 7 | 19 | 73 | 57 | 77 | 74 | U | - | U | - | - | - |
| Okla. | 29 | 20 | 351 | 417 | 99 | 69 | - | - | - | - | - | - |
| Tex. | 4 | 2 | 1,573 | 2,274 | 453 | 1,346 | - | 5 | - | 3 | 8 | - |
| MOUNTAIN | 70 | 90 | 973 | 2,470 | 442 | 611 | - | 3 | - | - | 3 | - |
| Mont. | 1 | - | 17 | 74 | 17 | 5 | - | - | - | - | - | - |
| Idaho | 1 | - | 33 | 196 | 22 | 27 | - | - | - | - | - | - |
| Wyo. | 1 | 1 | 6 | 32 | 12 | 4 | - | - | - | - | - | - |
| Colo. | 10 | 19 | 172 | 223 | 68 | 78 | - | - | - | - | - | - |
| N. Mex. | 18 | 5 | 38 | 109 | 143 | 235 | - | - | - | - | - | - |
| Ariz. | 30 | 44 | 570 | 1,513 | 114 | 139 | - | 1 | - | - | 1 | - |
| Utah | 7 | 3 | 37 | 151 | 26 | 56 | - | 2 | - | - | 2 | - |
| Nev. | 2 | 18 | 100 | 172 | 40 | 67 | - | - | - | - | - | - |
| PACIFIC | 82 | 92 | 2,638 | 4,027 | 1,065 | 1,302 | - | 21 | - | 5 | 26 | 16 |
| Wash. | 3 | 6 | 228 | 797 | 50 | 69 | - | - | - | - | - | 1 |
| Oreg. | 31 | 36 | 190 | 310 | 58 | 138 | - | 9 | - | - | 9 | - |
| Calif. | 38 | 40 | 2,203 | 2,862 | 935 | 1,075 | - | 12 | - | 4 | 16 | 7 |
| Alaska | 5 | 3 | 6 | 15 | 12 | 10 | - | - | - | - | - | 8 |
| Hawaii | 5 | 7 | 11 | 43 | 10 | 10 | - | - | - | 1 | 1 | - |
| Guam | - | - | 2 | 1 | 2 | 2 | U | 1 | U | - | 1 | - |
| P.R. | 1 | 2 | 112 | 50 | 102 | 189 | - | - | - | - | - | - |
| V.I. | U | U | U | U | U | U | U | U | U | U | U | U |
| Amer. Samoa | U | U | U | U | U | U | U | U | U | U | U | U |
| C.N.M.I. | U | U | U | U | U | U | U | U | U | U | U | U |

N: Not notifiable U: Unavailable -: no reported cases

*For imported measles, cases include only those resulting from importation from other countries.

†Of 158 cases among children aged <5 years, serotype was reported for 82 and of those, 21 were type b.

TABLE III. (Cont'd.) Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending September 18, 1999, and September 19, 1998 (37th Week)

| Reporting Area | Meningococcal Disease | | Mumps | | | Pertussis | | | Rubella | | |
|----------------|-----------------------|-----------|-------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|
| | Cum. 1999 | Cum. 1998 | 1999 | Cum. 1999 | Cum. 1998 | 1999 | Cum. 1999 | Cum. 1998 | 1999 | Cum. 1999 | Cum. 1998 |
| UNITED STATES | 1,746 | 1,969 | 3 | 232 | 512 | 88 | 3,859 | 4,210 | - | 178 | 332 |
| NEW ENGLAND | 87 | 84 | - | 4 | 6 | 10 | 444 | 726 | - | 7 | 38 |
| Maine | 5 | 5 | - | - | - | - | - | 5 | - | - | - |
| N.H. | 12 | 11 | - | 1 | - | - | 73 | 68 | - | - | - |
| Vt. | 4 | 1 | - | 1 | - | 6 | 46 | 66 | - | - | - |
| Mass. | 50 | 39 | - | 2 | 4 | - | 290 | 545 | - | 7 | 8 |
| R.I. | 4 | 3 | - | - | - | 4 | 24 | 7 | - | - | 1 |
| Conn. | 12 | 25 | - | - | 2 | - | 11 | 35 | - | - | 29 |
| MID. ATLANTIC | 160 | 202 | - | 27 | 172 | 20 | 644 | 434 | - | 22 | 144 |
| Upstate N.Y. | 45 | 52 | - | 8 | 3 | 20 | 558 | 222 | - | 18 | 114 |
| N.Y. City | 43 | 24 | - | 3 | 153 | - | 10 | 27 | - | - | 16 |
| N.J. | 39 | 48 | - | - | 6 | - | 12 | 14 | - | 1 | 13 |
| Pa. | 33 | 78 | - | 16 | 10 | - | 64 | 171 | - | 3 | 1 |
| E.N. CENTRAL | 290 | 309 | - | 30 | 61 | 1 | 336 | 526 | - | 2 | - |
| Ohio | 114 | 112 | U | 11 | 23 | U | 156 | 191 | U | - | - |
| Ind. | 40 | 52 | - | 4 | 5 | - | 49 | 85 | - | 1 | - |
| Ill. | 76 | 84 | - | 8 | 9 | - | 49 | 53 | - | 1 | - |
| Mich. | 36 | 37 | - | 7 | 22 | 1 | 39 | 49 | - | - | - |
| Wis. | 24 | 24 | - | - | 2 | - | 43 | 148 | - | - | - |
| W.N. CENTRAL | 190 | 170 | - | 10 | 26 | 12 | 263 | 324 | - | 84 | 32 |
| Minn. | 40 | 29 | - | 1 | 12 | 6 | 132 | 184 | - | 5 | - |
| Iowa | 36 | 28 | - | 4 | 9 | 1 | 45 | 58 | - | 29 | - |
| Mo. | 72 | 65 | - | 2 | 3 | 5 | 41 | 25 | - | 2 | 2 |
| N. Dak. | 3 | 3 | - | - | 1 | - | 4 | 3 | - | - | - |
| S. Dak. | 11 | 6 | - | - | - | - | 5 | 8 | - | - | - |
| Nebr. | 10 | 12 | - | - | - | - | 1 | 13 | - | 48 | - |
| Kans. | 18 | 27 | - | 3 | 1 | - | 35 | 33 | - | - | 30 |
| S. ATLANTIC | 310 | 328 | 1 | 40 | 40 | 12 | 294 | 220 | - | 35 | 15 |
| Del. | 7 | 2 | - | - | - | - | 4 | 3 | - | - | - |
| Md. | 44 | 24 | - | 3 | - | - | 77 | 38 | - | 1 | 1 |
| D.C. | 1 | - | - | 2 | - | - | - | 1 | - | - | - |
| Va. | 36 | 28 | - | 8 | 6 | - | 13 | 19 | - | - | - |
| W. Va. | 5 | 12 | - | - | - | - | 2 | 1 | - | - | - |
| N.C. | 35 | 46 | - | 8 | 10 | - | 73 | 76 | - | 34 | 11 |
| S.C. | 38 | 48 | - | 3 | 6 | - | 14 | 22 | - | - | - |
| Ga. | 49 | 75 | - | 4 | 1 | 4 | 30 | 18 | - | - | - |
| Fla. | 95 | 93 | 1 | 12 | 17 | 8 | 81 | 42 | - | - | 3 |
| E.S. CENTRAL | 115 | 148 | - | 9 | 13 | - | 64 | 95 | - | 1 | 1 |
| Ky. | 24 | 25 | - | - | - | - | 16 | 39 | - | - | - |
| Tenn. | 45 | 53 | - | - | 1 | - | 28 | 30 | - | - | 1 |
| Ala. | 27 | 41 | - | 8 | 7 | - | 16 | 22 | - | 1 | - |
| Miss. | 19 | 29 | - | 1 | 5 | - | 4 | 4 | - | - | - |
| W.S. CENTRAL | 148 | 231 | - | 29 | 49 | 4 | 134 | 269 | - | 7 | 87 |
| Ark. | 31 | 26 | - | - | 7 | - | 17 | 52 | - | - | - |
| La. | 34 | 47 | U | 3 | 6 | U | 3 | 6 | U | - | - |
| Okla. | 25 | 31 | - | 1 | - | - | 12 | 21 | - | - | - |
| Tex. | 58 | 127 | - | 25 | 36 | 4 | 102 | 190 | - | 7 | 87 |
| MOUNTAIN | 103 | 111 | 1 | 13 | 34 | 15 | 441 | 733 | - | 16 | 5 |
| Mont. | 2 | 4 | - | - | - | - | 2 | 7 | - | - | - |
| Idaho | 8 | 9 | - | 1 | 4 | 13 | 127 | 197 | - | - | - |
| Wyo. | 4 | 5 | - | - | 1 | - | 2 | 8 | - | - | - |
| Colo. | 27 | 21 | 1 | 4 | 6 | - | 129 | 184 | - | 1 | - |
| N. Mex. | 13 | 20 | N | N | N | 2 | 94 | 78 | - | - | 1 |
| Ariz. | 29 | 36 | - | - | 6 | - | 30 | 149 | - | 13 | 1 |
| Utah | 13 | 10 | - | 5 | 5 | - | 53 | 75 | - | 1 | 2 |
| Nev. | 7 | 6 | - | 3 | 12 | - | 4 | 35 | - | 1 | 1 |
| PACIFIC | 343 | 386 | 1 | 70 | 111 | 14 | 1,239 | 883 | - | 4 | 10 |
| Wash. | 55 | 54 | - | 2 | 7 | 12 | 557 | 236 | - | - | 5 |
| Oreg. | 59 | 65 | N | N | N | 1 | 33 | 68 | - | - | - |
| Calif. | 220 | 260 | 1 | 56 | 79 | 1 | 620 | 552 | - | 4 | 3 |
| Alaska | 5 | 3 | - | 1 | 2 | - | 4 | 14 | - | - | - |
| Hawaii | 4 | 4 | - | 11 | 23 | - | 25 | 13 | - | - | 2 |
| Guam | 1 | 2 | U | 1 | 2 | U | 1 | 1 | U | - | - |
| P.R. | 5 | 9 | - | - | 2 | - | 16 | 4 | - | - | 8 |
| V.I. | U | U | U | U | U | U | U | U | 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 | U | U | U | U |

N: Not notifiable

U: Unavailable

-: no reported cases

**TABLE IV. Deaths in 122 U.S. cities,* week ending
September 18, 1999 (37th Week)**

| Reporting Area | All Causes, By Age (Years) | | | | | | P&J† | Total | Reporting Area | All Causes, By Age (Years) | | | | | | P&J† | Total |
|---------------------|----------------------------|-------|-------|-------|------|----|------|-----------------------|---------------------|----------------------------|-------|-------|-------|------|-----|------|-------|
| | All Ages | >65 | 45-64 | 25-44 | 1-24 | <1 | | | | All Ages | >65 | 45-64 | 25-44 | 1-24 | <1 | | |
| NEW ENGLAND | 497 | 352 | 104 | 24 | 9 | 8 | 39 | S. ATLANTIC | 888 | 566 | 197 | 71 | 32 | 20 | 42 | | |
| Boston, Mass. | 140 | 102 | 27 | 8 | - | 3 | 9 | Atlanta, Ga. | U | U | U | U | U | U | U | | |
| Bridgeport, Conn. | U | U | U | U | U | U | U | Baltimore, Md. | 132 | 69 | 37 | 19 | 4 | 3 | 7 | | |
| Cambridge, Mass. | 10 | 7 | 2 | 1 | - | - | 2 | Charlotte, N.C. | 99 | 64 | 21 | 11 | 1 | 2 | 9 | | |
| Fall River, Mass. | 23 | 18 | 3 | 1 | - | 1 | 1 | Jacksonville, Fla. | 79 | 52 | 13 | 6 | 5 | 3 | 3 | | |
| Hartford, Conn. | 45 | 22 | 16 | 5 | 1 | 1 | 2 | Miami, Fla. | 119 | 63 | 42 | 9 | 4 | 1 | - | | |
| Lowell, Mass. | 23 | 17 | 5 | 1 | - | - | - | Norfolk, Va. | 28 | 16 | 6 | 3 | 2 | 1 | 3 | | |
| Lynn, Mass. | 14 | 9 | 4 | 1 | - | - | - | Richmond, Va. | 64 | 42 | 13 | 6 | 2 | 1 | 1 | | |
| New Bedford, Mass. | 32 | 26 | 6 | - | - | - | 2 | Savannah, Ga. | 37 | 21 | 10 | 5 | - | 1 | 2 | | |
| New Haven, Conn. | 37 | 24 | 9 | 1 | 1 | 2 | 2 | St. Petersburg, Fla. | 81 | 63 | 12 | 2 | 3 | 1 | 4 | | |
| Providence, R.I. | 57 | 44 | 11 | - | 2 | - | 9 | Tampa, Fla. | 147 | 104 | 26 | 6 | 9 | 2 | 11 | | |
| Somerville, Mass. | 4 | 2 | 1 | 1 | - | - | - | Washington, D.C. | 89 | 59 | 17 | 4 | 2 | 5 | 2 | | |
| Springfield, Mass. | 35 | 24 | 4 | 3 | 4 | - | 4 | Wilmington, Del. | 13 | 13 | - | - | - | - | - | | |
| Waterbury, Conn. | 27 | 21 | 5 | - | - | 1 | 4 | E.S. CENTRAL | 767 | 507 | 166 | 54 | 16 | 24 | 51 | | |
| Worcester, Mass. | 50 | 36 | 11 | 2 | 1 | - | 4 | Birmingham, Ala. | 171 | 115 | 39 | 12 | 3 | 2 | 13 | | |
| MID. ATLANTIC | 2,270 | 1,533 | 459 | 197 | 39 | 42 | 71 | Chattanooga, Tenn. | 82 | 67 | 12 | 3 | - | - | 4 | | |
| Albany, N.Y. | 45 | 31 | 5 | 6 | 1 | 2 | - | Knoxville, Tenn. | 63 | 44 | 9 | 6 | 1 | 3 | 3 | | |
| Allentown, Pa. | U | U | U | U | U | U | U | Lexington, Ky. | 26 | 14 | 9 | 2 | - | 1 | 2 | | |
| Buffalo, N.Y. | 79 | 54 | 16 | 6 | - | 3 | 7 | Memphis, Tenn. | 153 | 92 | 40 | 12 | 5 | 4 | 8 | | |
| Camden, N.J. | 40 | 23 | 7 | 5 | 2 | 3 | 6 | Mobile, Ala. | 83 | 52 | 19 | 3 | 2 | 7 | 2 | | |
| Elizabeth, N.J. | U | U | U | U | U | U | U | Montgomery, Ala. | 44 | 27 | 9 | 4 | 4 | - | 8 | | |
| Erie, Pa. | 43 | 33 | 8 | - | 1 | 1 | 2 | Nashville, Tenn. | 145 | 96 | 29 | 12 | 1 | 7 | 11 | | |
| Jersey City, N.J. | 53 | 38 | 11 | 4 | - | - | - | W.S. CENTRAL | 1,495 | 924 | 334 | 140 | 57 | 40 | 89 | | |
| New York City, N.Y. | 1,106 | 746 | 240 | 88 | 18 | 14 | 12 | Austin, Tex. | 70 | 44 | 16 | 6 | 1 | 3 | 2 | | |
| Newark, N.J. | 77 | 30 | 30 | 12 | 2 | 3 | 2 | Baton Rouge, La. | 46 | 33 | 11 | - | 2 | - | - | | |
| Paterson, N.J. | 20 | 10 | 1 | 8 | 1 | - | 2 | Corpus Christi, Tex. | 56 | 38 | 10 | 2 | 2 | 4 | 2 | | |
| Philadelphia, Pa. | 365 | 237 | 74 | 38 | 8 | 8 | 17 | Dallas, Tex. | 204 | 121 | 37 | 27 | 7 | 12 | 2 | | |
| Pittsburgh, Pa.‡ | 76 | 53 | 13 | 6 | 3 | 1 | 2 | El Paso, Tex. | 82 | 53 | 15 | 11 | 3 | - | 3 | | |
| Reading, Pa. | 19 | 17 | 2 | - | - | - | - | Ft. Worth, Tex. | 111 | 82 | 20 | 6 | 2 | 1 | 11 | | |
| Rochester, N.Y. | 113 | 86 | 19 | 4 | 1 | 3 | 9 | Houston, Tex. | 355 | 188 | 89 | 44 | 27 | 7 | 35 | | |
| Schenectady, N.Y. | 29 | 24 | 4 | 1 | - | - | 2 | Little Rock, Ark. | 60 | 34 | 18 | 3 | - | 5 | 6 | | |
| Scranton, Pa. | 36 | 32 | 4 | - | - | - | 1 | New Orleans, La. | 84 | 51 | 24 | 8 | 1 | - | 6 | | |
| Syracuse, N.Y. | 138 | 106 | 16 | 10 | 2 | 4 | 6 | San Antonio, Tex. | 261 | 166 | 60 | 21 | 11 | 3 | 14 | | |
| Trenton, N.J. | 16 | 5 | 6 | 5 | - | - | 2 | Shreveport, La. | 46 | 30 | 12 | 2 | - | 2 | 1 | | |
| Utica, N.Y. | 15 | 8 | 3 | 4 | - | - | 1 | Tulsa, Okla. | 120 | 84 | 22 | 10 | 1 | 3 | 7 | | |
| Yonkers, N.Y. | U | U | U | U | U | U | U | MOUNTAIN | 761 | 505 | 154 | 60 | 20 | 22 | 48 | | |
| E.N. CENTRAL | 1,724 | 1,201 | 295 | 134 | 50 | 43 | 104 | Albuquerque, N.M. | 83 | 54 | 13 | 11 | 3 | 2 | 1 | | |
| Akron, Ohio | 41 | 25 | 9 | 3 | 2 | 2 | 1 | Boise, Idaho | U | U | U | U | U | U | U | | |
| Canton, Ohio | 39 | 32 | 5 | 2 | - | - | 3 | Colo. Springs, Colo. | 42 | 29 | 9 | 2 | 2 | - | 1 | | |
| Chicago, Ill. | 349 | 225 | 55 | 45 | 15 | 8 | 28 | Denver, Colo. | 105 | 72 | 16 | 10 | 2 | 5 | 9 | | |
| Cincinnati, Ohio | 102 | 67 | 20 | 6 | 2 | 7 | 6 | Las Vegas, Nev. | 178 | 113 | 50 | 8 | 1 | 6 | 10 | | |
| Cleveland, Ohio | 132 | 87 | 21 | 17 | 4 | 3 | 3 | Ogden, Utah | 33 | 27 | 4 | 2 | - | - | 1 | | |
| Columbus, Ohio | 197 | 130 | 45 | 13 | 6 | 3 | 12 | Phoenix, Ariz. | 66 | 41 | 10 | 8 | 4 | 3 | 3 | | |
| Dayton, Ohio | 128 | 97 | 23 | 7 | - | 1 | 9 | Pueblo, Colo. | 21 | 15 | 5 | 1 | - | - | 5 | | |
| Detroit, Mich. | U | U | U | U | U | U | U | Salt Lake City, Utah | 107 | 69 | 21 | 7 | 4 | 6 | 12 | | |
| Evansville, Ind. | 44 | 36 | 5 | 1 | 1 | 1 | 3 | Tucson, Ariz. | 126 | 85 | 26 | 11 | 4 | - | 6 | | |
| Fort Wayne, Ind. | 71 | 45 | 19 | 4 | 1 | 2 | 4 | PACIFIC | 1,236 | 856 | 243 | 83 | 31 | 22 | 81 | | |
| Gary, Ind. | 17 | 9 | 5 | 1 | - | 2 | - | Berkeley, Calif. | 15 | 9 | 2 | 3 | 1 | - | - | | |
| Grand Rapids, Mich. | 51 | 38 | 6 | 4 | 1 | 2 | 6 | Fresno, Calif. | 107 | 81 | 18 | 5 | 1 | 2 | 8 | | |
| Indianapolis, Ind. | 38 | 27 | 7 | 1 | 2 | 1 | 2 | Glendale, Calif. | U | U | U | U | U | U | U | | |
| Lansing, Mich. | 58 | 43 | 11 | 2 | 1 | 1 | 2 | Honolulu, Hawaii | 79 | 64 | 8 | 2 | 3 | 2 | 2 | | |
| Milwaukee, Wis. | 119 | 82 | 21 | 10 | 5 | 1 | - | Long Beach, Calif. | 51 | 33 | 9 | 5 | 2 | 2 | 5 | | |
| Peoria, Ill. | 57 | 37 | 7 | 3 | 5 | 5 | 6 | Los Angeles, Calif. | U | U | U | U | U | U | U | | |
| Rockford, Ill. | 52 | 40 | 8 | 2 | 1 | 1 | 3 | Pasadena, Calif. | 24 | 14 | 7 | 2 | - | 1 | 2 | | |
| South Bend, Ind. | 73 | 62 | 3 | 7 | - | 1 | 7 | Portland, Oreg. | 178 | 128 | 29 | 12 | 4 | 5 | 16 | | |
| Toledo, Ohio | 96 | 71 | 19 | 2 | 3 | 1 | 6 | Sacramento, Calif. | U | U | U | U | U | U | U | | |
| Youngstown, Ohio | 60 | 48 | 6 | 4 | 1 | 1 | 3 | San Diego, Calif. | 166 | 103 | 39 | 16 | 5 | 2 | 6 | | |
| W.N. CENTRAL | 645 | 442 | 122 | 38 | 16 | 24 | 47 | San Francisco, Calif. | 114 | 80 | 23 | 9 | 1 | 1 | 9 | | |
| Des Moines, Iowa | 81 | 49 | 19 | 6 | 2 | 5 | 7 | San Jose, Calif. | 165 | 114 | 34 | 9 | 5 | 3 | 10 | | |
| Duluth, Minn. | 19 | 14 | 3 | - | 1 | 1 | - | Santa Cruz, Calif. | 27 | 20 | 4 | 3 | - | - | 2 | | |
| Kansas City, Kans. | U | U | U | U | U | U | U | Seattle, Wash. | 158 | 98 | 40 | 13 | 5 | 2 | 5 | | |
| Kansas City, Mo. | 71 | 48 | 14 | 5 | 2 | 2 | 6 | Spokane, Wash. | 65 | 45 | 16 | 1 | 1 | 2 | 7 | | |
| Lincoln, Nebr. | 38 | 26 | 8 | 1 | 3 | - | - | Tacoma, Wash. | 87 | 67 | 14 | 3 | 3 | - | 9 | | |
| Minneapolis, Minn. | 148 | 106 | 22 | 8 | 2 | 7 | 18 | TOTAL | 10,283 [§] | 6,886 | 2,074 | 801 | 270 | 245 | 572 | | |
| Omaha, Nebr. | 87 | 63 | 12 | 7 | 3 | 2 | 7 | | | | | | | | | | |
| St. Louis, Mo. | 86 | 53 | 21 | 5 | 2 | 5 | 1 | | | | | | | | | | |
| St. Paul, Minn. | 115 | 83 | 23 | 6 | 1 | 2 | 8 | | | | | | | | | | |
| Wichita, Kans. | U | U | U | U | U | U | U | | | | | | | | | | |

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 or more. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

†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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