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Hepatitis Awareness Month — May 2006

May 2006 marks the 11th anniversary of Hepatitis Awareness Month. In the United States, one of three persons has been infected with hepatitis A virus (HAV), hepatitis B virus (HBV), or hepatitis C virus (HCV) (1).

HAV is spread by close contact with infected persons or through contaminated food. Since the introduction of hepatitis A vaccines in 1995, reports of hepatitis A have declined 84% (CDC, unpublished data, 2004).

HBV and HCV are spread by blood or sexual contact. In 2004, an estimated 60,000 new HBV infections and 26,000 new HCV infections occurred (CDC, unpublished data, 2004). In 1991, CDC adopted a national vaccination strategy to eliminate HBV transmission in the United States. Since then, acute hepatitis B has declined 75%, with the highest incidence remaining among adults.

Approximately 5%–25% of persons with chronic HBV and HCV infection will die prematurely from cirrhosis and liver cancer. Approximately 1 million persons in the United States have chronic HBV infection, and 3 million have chronic HCV infection (1; CDC unpublished data, 2004). Although effective therapies for viral hepatitis are available, the majority of persons with chronic HCV infection are unaware of their infection (1).

This issue of *MMWR* reports on the prevalence of chronic HBV infection among Asian/Pacific Islander populations in New York City and progress to eliminate HBV transmission through vaccination of adults. Additional information regarding hepatitis and Hepatitis Awareness Month is available at <http://www.cdc.gov/hepatitis>.

Reference

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Screening for Chronic Hepatitis B Among Asian/Pacific Islander Populations — New York City, 2005

Chronic hepatitis B virus (HBV) infection is the most common cause of cirrhosis and liver cancer worldwide. In Asian and western Pacific countries where HBV is endemic, estimated prevalence of chronic HBV infection ranges from 2.4%–16.0%, and liver cancer is a leading cause of mortality (1). Although population-based prevalence data for Asians/Pacific Islanders (A/PIs) living in the United States are lacking, they are believed to constitute a sizeable percentage of persons with chronic HBV infection in the United States, a country of low endemicity (2). To assess the prevalence of chronic HBV infection among A/PI populations living in New York City, the Asian American Hepatitis B Program (AAHBP)* conducted a seroprevalence study among persons who participated in an ongoing hepatitis B screening, evaluation, and treatment program. The results indicated that approximately 15% of participants who had not been previously tested had chronic HBV infection; all were born outside the United States. Screening programs are needed in A/PI communities in the United States to identify persons with chronic HBV infection so that they can be referred for appropriate medical management to prevent cirrhosis and liver cancer and so that their susceptible household and sex contacts can receive hepatitis B vaccine.

* Available at <http://www.bfreenyc.org>.

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Notifiable Disease Morbidity and 122 Cities Mortality Data

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The AAHBP is a collaboration of community groups and academic and community health centers in New York City that provides hepatitis B screening, vaccination, and treatment free of charge. AAHBP also provides educational programs to increase awareness of HBV infection among A/PI communities in New York City. AAHBP screening programs are held at 12 collaborating health-care centers and community sites that serve A/PI communities throughout New York City.

Beginning in 2005, participants in this study were offered free hepatitis B serologic testing at AAHBP screening events or on a drop-in basis at participating clinics. At the time of testing, demographic and epidemiologic information was collected using self-administered questionnaires in English, Chinese, or Korean, with the assistance of bilingual volunteers when necessary. Blood was collected by venipuncture and tested for hepatitis B surface antigen (HBsAg) and antibody to HBsAg (anti-HBs). Clinical evaluation and treatment were offered to persons infected with HBV. Hepatitis B vaccination was provided to persons susceptible to HBV infection.

Because AAHBP provided free treatment for chronic HBV infection to the uninsured, the screening program might have attracted a substantial number of persons seeking treatment for previously diagnosed chronic HBV infection. To avoid overestimation of prevalence, this analysis was restricted to 925 newly screened adult participants, defined as persons aged ≥ 20 years who reported no previous serologic testing for HBV. Chronic HBV infection was defined as a positive result of a test for HBsAg using commercially available test kits. Resolved HBV infection was defined as a positive result of a test for anti-HBs and a negative result of a test for HBsAg. Persons with negative results of tests for HBsAg and anti-HBs were considered susceptible to HBV infection. Data were analyzed in aggregate with all personal identifiers removed. The study was approved by the institutional review boards of New York University School of Medicine and the participating clinical centers.

During January 22–June 30, 2005, a total of 1,836 persons were tested for HBV infection through AAHBP. Among the 1,633 persons with complete demographic information, 1,614 (98.8%) identified a country in Asia or the western Pacific as their place of birth. Screening determined that 392 of 1,633 (24.0%; 95% confidence interval [CI] = 21.9%–26.1%) had chronic HBV infection, 791 (48.4%; CI = 46.0%–50.9%) had evidence of resolved HBV infection, and 450 (27.6%; CI = 25.4%–29.7%) were susceptible to HBV infection.

A total of 925 (56.6%) persons tested reported not having been screened previously for HBV infection. Median age was 45 years (range: 20–83 years), and 512 (55.4%) were male (Table). The majority of participants were born in China (566 [61.2%]) or South Korea (280 [30.3%]); 69 (7.4%) were born

TABLE. Prevalence of chronic hepatitis B virus (HBV) infection* among screening program† participants aged ≥20 years newly tested for HBV infection,§ by selected characteristics — New York City, January 22–June 30, 2005

| Characteristic | No. | HBsAg positive | | |
|--|------------|----------------|---------------|--------------------|
| | | No. | (%) | (95% CI¶) |
| Sex | | | | |
| Male | 512 | 101 | (19.7) | (16.2–23.2) |
| Female | 413 | 36 | (8.7) | (6.0–11.4) |
| Age group (yrs) | | | | |
| 20–29 | 159 | 40 | (25.2) | (18.5–31.9) |
| 30–39 | 195 | 42 | (21.5) | (15.7–27.3) |
| 40–49 | 201 | 31 | (15.4) | (10.4–20.4) |
| 50–59 | 185 | 17 | (9.2) | (5.0–13.4) |
| ≥60 | 185 | 7 | (3.8) | (1.0–6.6) |
| Country of birth | | | | |
| China | 566 | 121 | (21.4) | (18.0–24.8) |
| South Korea | 280 | 13 | (4.6) | (2.2–7.1) |
| Other Asian countries** | 69 | 3 | (4.3) | (0.5–9.1) |
| United States | 10 | 0 | — | — |
| Years in United States | | | | |
| ≤5 | 204 | 44 | (21.6) | (16.0–27.2) |
| 6–10 | 219 | 35 | (16.0) | (11.1–20.9) |
| >10 | 433 | 53 | (12.2) | (9.1–15.3) |
| No response | 69 | 5 | (7.2) | (1.1–13.3) |
| Family history of HBV infection | | | | |
| Yes | 120 | 27 | (22.5) | (15.2–29.8) |
| No | 494 | 65 | (13.2) | (9.5–25.5) |
| Not sure | 285 | 42 | (14.7) | (10.6–18.8) |
| No response | 26 | 3 | (11.5) | (4.0–27.0) |
| Health insurance status | | | | |
| Insured | 199 | 20 | (10.1) | (5.9–14.3) |
| Uninsured | 650 | 112 | (17.2) | (14.3–20.1) |
| No response | 76 | 5 | (6.6) | (3.0–4.0) |
| Total | 925 | 137 | (14.8) | (12.5–17.1) |

* Defined as a positive result from testing for hepatitis B surface antigen (HBsAg).

† Asian American Hepatitis B Program.

§ N = 925.

¶ Confidence interval.

** Bangladesh, Burma, Indonesia, Malaysia, or Vietnam.

in other Asian countries (i.e., Bangladesh, Burma, Indonesia, Malaysia, or Vietnam). Among those providing such information, 50.6% (433 of 856) reported living in the United States for >10 years, 76.6% (650 of 849) lacked health insurance, and 13.3% (120 of 899) reported a family history of HBV infection.

Among the 925 newly screened participants, 137 had chronic HBV infection, yielding a prevalence of 14.8% (CI = 12.5%–17.1%), which was lower than the 40.7% (CI = 36.7%–44.7%) prevalence of chronic HBV infection among 237 of 582 participants who knew they had been tested previously. A total of 496 (53.6%; CI = 50.4%–56.8%) newly screened participants had evidence of resolved HBV infection, and 292 (31.6%; CI = 28.6%–34.6%) were susceptible to HBV infection. The prevalence of chronic HBV infection was higher among males compared with females (19.7%

versus 8.7%; $p < 0.01$), persons aged 20–39 years compared with those aged ≥40 years (23.2% versus 9.6%; $p < 0.01$), and among persons who had been living in the United States for ≤5 years compared with those who had been living in the United States for >5 years (21.6% versus 13.5%; $p < 0.01$) (Table). Prevalence of chronic HBV infection varied by country of birth, from 21.4% among those born in China, to 4.6% among those born in South Korea, to 4.3% among those born in other Asian countries; none of the 10 participants born in the United States had chronic HBV infection.

Among all 1,836 persons who participated in the screening program, 1,717 (93.5%) returned for their test results, including 397 (90.8%) of the 437 total participants with chronic HBV infection. Among the 397 participants, a total of 329 (82.9%) were referred to an AAHBP-affiliated clinic, and 34 (8.6%) were referred to their personal physician; referral information was not available for 34 (8.6%) persons. Of the 329 with chronic HBV infection referred to AAHBP-affiliated clinics, 274 (83.3%) completed an initial evaluation visit. A total of 505 (27.5%) participants were susceptible to HBV infection. The 1-, 2-, and 3-dose vaccination coverage rates for these 505 were 89.3%, 78.8%, and 69.3%, respectively.

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Editorial Note: The findings in this report on a screening program conducted among a predominantly immigrant Asian population indicate that approximately 15% of newly tested persons living in New York City had chronic HBV infection. The prevalence among participants in the screening program was approximately 35 times that of the overall U.S. population (2). Half of those with chronic HBV infection had been living in the United States for more than 10 years. These persons likely acquired their infections in their countries of origin, where HBV infection is endemic and infections usually are acquired at birth or during early childhood. The majority of infected participants were successfully referred for medical evaluation and follow-up.

Although this study was limited to New York City, screening programs in Atlanta, Chicago, New York City, Philadelphia, and California have reported similar prevalences of chronic HBV infection (10%–15%) among A/PI immigrants to the United States (3–5). A smaller proportion of those born

in South Korea, compared with those born in China, were documented with chronic HBV infection (3–5). In addition, hepatitis B serologic testing in other settings, including routine public health surveillance among pregnant women and in other clinical settings, has demonstrated the disproportionate burden of chronic HBV infection among A/PI and other immigrant populations (6,7; CDC, unpublished data, 2004).

Perinatal and child-to-child transmission are the most common modes of HBV transmission in Asia and other countries where HBV is endemic. Of persons who acquire chronic HBV infection at early ages, an estimated 15%–40% will subsequently have chronic liver disease, including cirrhosis and liver cancer. Therefore, persons with chronic HBV infection need to be identified so that they can receive counseling and appropriate medical management to reduce their risk for chronic liver disease (8). Some will benefit from treatment or screening to detect liver cancer at an early stage. To prevent spread of HBV infection, household and sex contacts should be tested for HBV infection and offered hepatitis B vaccination, where indicated (8).

Although members of A/PI communities in the United States generally are aware that HBV infection is associated with increased risk for liver cancer, fewer than half recognize that HBV infection is endemic among persons born in Asia (9,10). Hepatitis B screening programs in U.S. A/PI communities can be an effective means of identifying persons with chronic HBV infection and motivating them to seek medical care. An evaluation of a hepatitis B screening program for A/PI in California determined that 67% of those with chronic HBV infection sought follow-up with their medical providers (5). Approximately 71% of participants in the California program reported that, before participating in the screening program, testing for HBV had not been recommended, although 89% had a regular family physician.

The findings in this report are subject to at least two limitations. First, the participants, primarily Chinese and South Korean, might not be representative of the overall Asian population in New York City. However, the diverse demographics suggest that the screening program attracted a range of local Asian immigrant populations living in the neighborhoods where screenings were conducted. Second, the study was conducted only in New York City, and results only reflect the ethnic composition of the local Asian populations that participated in the screening program. Because HBV infection prevalence varies among Asian countries, the findings likely are generalizable only to populations with the same countries of origin.

In collaboration with state and local partners, CDC supports programs to prevent HBV infection in U.S. A/PI communities. Local health departments in New York City and

San Francisco, two cities with large A/PI populations, conduct enhanced viral hepatitis surveillance for both acute and chronic hepatitis B. The Asian Liver Center of Stanford University[†] has developed educational programs for A/PI youth and practitioners of traditional Chinese medicine. State and local health departments have successfully implemented vaccination strategies (e.g., achieving high vaccination coverage among children and adolescents and high rates of HBsAg screening among pregnant women) recommended by the Advisory Committee on Immunization Practices in 1991 to eliminate HBV transmission in the United States. Since 1991, acute hepatitis B incidence has declined sharply among U.S. A/PI populations, eliminating major health disparities in acute HBV infection (8). Additional information regarding acute and chronic HBV infection and prevention activities is available from CDC at <http://www.cdc.gov/ncidod/diseases/hepatitis/index.htm>.

U.S. A/PI populations are at disproportionately high risk for hepatitis B-related chronic liver disease and liver cancer. Public health agencies and medical providers who serve U.S. A/PI populations and other communities with high proportions of persons born in countries where HBV infection is endemic should promote educational campaigns and screening programs. Such programs should identify persons with chronic HBV infection so that they can receive appropriate counseling and treatment to prevent cirrhosis and liver cancer and so that their contacts can be screened and given treatment, counseling, or vaccination as appropriate. Programs such as the comprehensive, community-based screening and evaluation program described in this report can effectively reach persons at risk for chronic HBV infection.

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Hepatitis B Vaccination Coverage Among Adults — United States, 2004

Hepatitis B virus (HBV) infection is a major cause of cirrhosis and liver cancer in the United States. The Advisory Committee on Immunization Practices (ACIP) has recommended a comprehensive strategy to eliminate HBV transmission, including prevention of perinatal HBV transmission; universal vaccination of infants; catch-up vaccination of unvaccinated children and adolescents; and vaccination of unvaccinated adults at increased risk for infection. The incidence of acute hepatitis B has declined 75%, from 8.5 per 100,000 population in 1990 to 2.1 per 100,000 population in 2004, with the greatest declines (94%) among children and

adolescents (1). Incidence remains highest among adults, who accounted for approximately 95% of the estimated 60,000 new infections in 2004. To measure hepatitis B vaccination coverage among adults, data were analyzed from the 2004 National Health Interview Survey (NHIS). This report summarizes the results of that analysis, which indicated that, during 2004, 34.6% of adults aged 18–49 years reported receiving hepatitis B vaccine, including 45.4% of adults at high risk for HBV infection. To accelerate elimination of HBV transmission in the United States, public health programs and clinical care providers should implement strategies to ensure that adults at high risk are offered hepatitis B vaccine.

NHIS is a multipurpose household health survey of the U.S. civilian, noninstitutionalized population, conducted by in-person interview. Hepatitis B vaccination coverage was estimated from self reports of sampled adults. The analysis was restricted to adults aged 18–49 years, age groups that account for approximately 80% of adult HBV infections.

In the 2004 NHIS, adults who responded “yes” to the question, “Have you ever received hepatitis B vaccine?” were assumed to have received ≥ 1 vaccine dose. For this analysis, adults were considered at high risk for HBV infection if they reported a risk factor in answering any of three questions related to human immunodeficiency virus (HIV) and sexually transmitted disease (STD) risk behaviors.*

For all adults aged ≥ 18 years, weighted age-specific and national hepatitis B vaccination coverage rates were estimated. Statistical analysis software was used to calculate weighted estimates and confidence intervals. Chi-square tests were used to compare coverage rates among groups. P-values < 0.05 were considered statistically significant. Coverage rates with relative standard errors > 0.30 were not reported. A logistic model was developed to determine whether high risk was an independent predictor of vaccination, including as possible confounders all terms identified to be predictors of vaccination in univariate analysis and those that have been determined to be associated in other studies. The final model fit the data (Hosmer-Lemeshow goodness-of-fit, $p = 0.36$).

During 2004, a total of 31,326 adults were interviewed, including 18,269 aged 18–49 years. The response rate was 72.5% (2). Of eligible adults aged 18–49 years, 17,249 (94%)

* 1) “What are your chances of getting HIV (the virus that causes AIDS)? Would you say high, medium, low, or none?”; 2) “In the past five years, have you had an STD other than HIV or AIDS?”; 3) “Tell me if any of these statements is true for you; do not tell me which statement or statements are true for you; just if any of them are: a) you have hemophilia and have received clotting factor concentrations; b) you are a man who has had sex with other men, even just one time; c) you have taken street drugs by needle, even just one time; d) you have traded sex for money or drugs, even just one time; e) you have tested positive for HIV (the virus that causes AIDS); f) you have had sex (even just one time) with someone who would answer ‘yes’ to any of these statements.”

who responded to the hepatitis B vaccination questions were included in this analysis, including 1,048 (5.7%) adults at high risk.

A weighted analysis of adults who were surveyed indicated that 34.6% (95% CI = 33.5%–35.6%) reported receiving hepatitis B vaccine. Coverage was highest among persons aged 18–20 years and declined with increasing age (Table). Coverage also was higher for persons in occupations for which vaccination is specifically recommended, including health-care workers (80.5%; CI = 77.3%–83.4%) and police officers or firefighters (63.6%; CI = 56.6%–70.1%), and for adults at high risk (45.4%; CI = 41.7%–49.2%).

Report of hepatitis B vaccination also was associated with certain population characteristics, including female sex, non-Hispanic ethnicity, and higher educational achievement. Persons with a routine source of health care (e.g., primary doctor, health maintenance organization, or clinic) and persons with health insurance also were more likely to report vaccination than those with no routine source of health care (Table). The same demographic and health-care use characteristics were associated with higher likelihood of vaccination among persons at high risk as among other respondents. In a multivariate model, after controlling for age, sex, education, occupation, and HIV test history, high risk remained a statistically significant predictor (adjusted odds ratio = 1.3) of hepatitis B vaccination.

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Editorial Note: The findings in this report suggest that hepatitis B vaccination coverage among adults at high risk, as measured by NHIS, has increased substantially from 30% in 2000 to 45% in 2004 (3). Some of this increase in coverage represents the aging of persons vaccinated as adolescents, reflecting the effect of ACIP recommendations for routine vaccination of adolescents that were first made in 1995 (4). In addition, higher vaccination coverage among persons of all ages at high risk suggests successes vaccinating targeted adults and likely contributed to a decline in hepatitis B incidence. From 2000 to 2004, hepatitis B incidence among adults decreased 27%, from 3.7 to 2.7 per 100,000 population (CDC, unpublished data, 2006). However, hepatitis B vaccination coverage of adults at high risk remained lower than vaccination coverage of children (92%) and adolescents (86%) in 2004 (5), two other age groups included in the ACIP vaccination strategy to eliminate HBV transmission.

TABLE. Percentage of adults aged 18–49 years who reported ever receiving hepatitis B vaccine, by selected characteristics — National Health Interview Survey, United States, 2004

| Characteristic | All adults aged 18–49 yrs | | Adults at high risk† | |
|-------------------------------------|---------------------------|--------------------|----------------------|--------------------|
| | 18–49 yrs | (95% CI*) | 18–49 yrs | (95% CI) |
| Total | 34.6 | (33.5–35.6) | 45.4 | (41.7–49.2) |
| Age group (yrs) | | | | |
| 18–20 | 58.1 | (54.3–61.7) | 57.4 | (44.5–69.4) |
| 21–25 | 48.1 | (45.4–50.7) | 53.4 | (44.2–62.5) |
| 26–30 | 35.6 | (33.5–37.8) | 48.3 | (38.2–58.5) |
| 31–40 | 29.2 | (27.9–30.6) | 42.5 | (36.4–48.9) |
| 41–49 | 25.6 | (24.2–27.1) | 35.1 | (28.6–42.3) |
| Sex | | | | |
| Male | 29.7 | (28.3–31.2) | 39.0 | (33.8–44.5) |
| Female | 39.2 | (37.9–40.5) | 51.2 | (46.1–56.3) |
| Race/Ethnicity | | | | |
| Hispanic | 26.8 | (25.0–28.8) | 35.4 | (25.5–46.8) |
| White, non-Hispanic | 35.0 | (33.8–36.3) | 46.2 | (41.5–50.9) |
| Black, non-Hispanic | 38.4 | (35.7–41.2) | 47.0 | (38.1–56.1) |
| Other | 41.8 | (38.1–45.6) | 55.5 | (39.8–70.1) |
| Education | | | | |
| High school or less | 24.8 | (22.8–27.0) | 35.7 | (27.9–44.4) |
| Above high school | 36.5 | (35.3–37.6) | 47.6 | (43.5–51.7) |
| Ever tested for HIV | | | | |
| Yes | 41.1 | (39.7–42.5) | 49.7 | (45.5–54.0) |
| No | 29.9 | (28.5–31.3) | 35.4 | (28.5–43.1) |
| Place of routine health care | | | | |
| Clinic or health center | 37.0 | (34.6–39.4) | 53.1 | (44.8–61.2) |
| Doctor's office or HMO§ | 35.9 | (34.7–37.2) | 47.8 | (42.8–52.8) |
| Hospital emergency department | 29.9 | (24.1–36.5) | 23.3 | (10.9–43.1) |
| Hospital outpatient department | 36.9 | (29.2–45.4) | 30.8 | (9.5–65.3) |
| Some other place | 53.9 | (43.1–64.4) | 42.3 | (14.7–75.6) |
| None | 28.1 | (26.2–30.1) | 36.1 | (27.3–45.8) |
| Health insurance | | | | |
| No insurance coverage | 27.3 | (25.6–29.2) | 39.2 | (31.8–47.2) |
| Some insurance coverage | 36.5 | (35.3–37.7) | 47.8 | (43.4–52.2) |
| Occupation | | | | |
| Health-care worker | 80.5 | (77.3–83.4) | 90.6 | (79.0–96.1) |
| Police officer or firefighter | 63.6 | (56.6–70.1) | 73.0 | (45.5–89.7) |
| Other | 32.0 | (30.8–33.0) | 42.1 | (38.2–46.1) |

* Confidence interval.

† Includes persons who considered themselves at high risk for HIV infection, persons who reported having a sexually transmitted disease other than HIV/AIDS during the previous 5 years, and persons who reported any one of the following risk factors: hemophilia with receipt of clotting factor concentrates, men who have sex with men, injecting street drugs, trading sex for money or drugs, testing positive for HIV, or having sex with someone with any of these risk factors.

§ Health maintenance organization.

Several factors contribute to low hepatitis B vaccination coverage among adults at high risk. In contrast to vaccination of children, national programs that support vaccine purchase and infrastructure for vaccine administration are not available for adults. As a result, adults at increased risk often have missed opportunities to receive hepatitis B vaccination. In a study of 483 adults with acute hepatitis B infection, 61% reported a missed opportunity for vaccination during STD treatment, incarceration, or drug treatment during 2001–2004 (6). In primary care settings, patients and providers might be

reluctant to discuss risk behaviors (7), and providers might not prioritize vaccination in the context of other clinical care services.

Adult vaccination coverage can be increased through the use of provider reminders and other interventions to increase access to vaccination (8). Demonstration projects have determined that provision of comprehensive HIV, viral hepatitis, and STD services increases vaccination coverage (9). In October 2005, ACIP provisionally recommended strategies to improve vaccination for adults at risk for hepatitis B, emphasizing vaccination of all adults at venues where a high proportion of persons are likely to have risk factors for HBV infection (e.g., STD/HIV testing and treatment facilities, correctional facilities, and drug-abuse treatment facilities) and the adoption of practices that remove barriers to vaccination in primary care settings (10).

The findings in this report are subject to at least four limitations. First, criteria for adults at high risk used in this study might not identify all persons who are at risk for HBV infection, such as persons with multiple sex partners, and might identify persons without risk, such as most persons with hemophilia. Second, the in-person format of the interview might lead to underreporting of risk behaviors. Third, hepatitis B vaccination was based on self-report and was not validated by medical records. Although differences might exist between self-reported vaccination and true vaccination, directional bias is unlikely, so correlates and trends in coverage are likely to reflect true trends. Finally, NHIS excludes all institutionalized persons (e.g., military or incarcerated) among whom both the risk for hepatitis B and vaccination coverage might differ from those of the rest of the population. Despite these limitations, NHIS is the only national survey that collects data related to adult hepatitis B vaccination.

Hepatitis B vaccine is safe and effective and the only licensed vaccine that prevents cancers. Despite these benefits, the majority of adults at risk for HBV remain unvaccinated. To increase coverage, public health programs and primary care providers should inform adults receiving preventive clinical services of the potential benefits of hepatitis B vaccination for their health, vaccinate all adults who seek protection from HBV, and adopt strategies appropriate for the practice setting to ensure that all adults at risk for HBV infection are offered hepatitis B vaccine.

Acknowledgments

This report is based, in part, on data contributed by S Stokley, MPH, National Center for Immunization and Respiratory Diseases (proposed); A Wasley, PhD, Div of Viral Hepatitis; and N Jain, MD, Div of STD Prevention, National Center for HIV, Viral Hepatitis, STDs, and Tuberculosis Prevention (proposed), CDC.

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Vaccine Preventable Deaths and the Global Immunization Vision and Strategy, 2006–2015

Immunization is among the most successful and cost-effective public health interventions (1,2). Immunization programs have led to eradication of smallpox, elimination of measles and poliomyelitis in regions of the world, and substantial reductions in the morbidity and mortality attributed to diphtheria, tetanus, and pertussis. The World Health Organization (WHO) estimates that 2 million child deaths were prevented by vaccinations in 2003 (3). Nonetheless, more deaths can be prevented through optimal use of currently existing vaccines. This report summarizes estimates of deaths attributed to vaccine-preventable diseases (VPDs) and vaccination coverage by WHO region and outlines the

Global Immunization Vision and Strategy developed by WHO and the United Nations Children's Fund (UNICEF) and partners for implementation during 2006–2015.

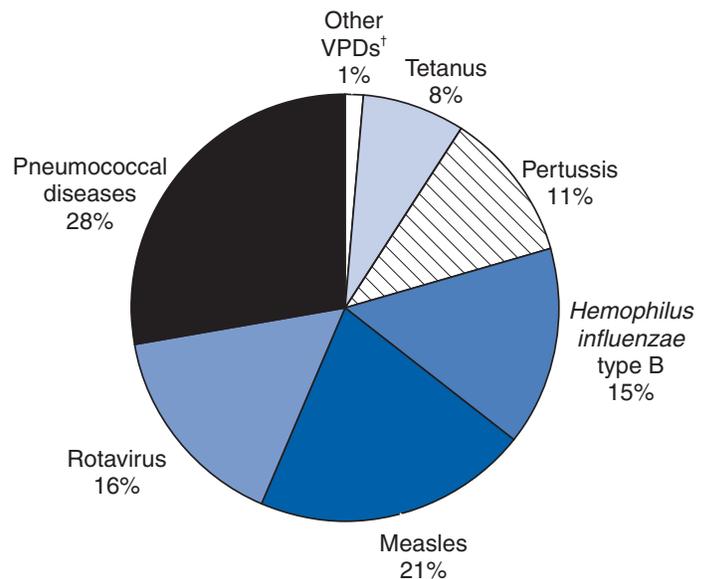
Estimates of Vaccine-Preventable Deaths, 2002, and Recommended Vaccines

Mortality estimates can be used to prioritize public health interventions. For VPDs, these estimates indicate the number of deaths that could be averted if existing vaccines were used to their fullest potential. In 2002, among diseases for which vaccines are universally recommended, WHO estimates that fewer than 1,000 children aged <5 years died from polio; 4,000 children died from diphtheria; 15,000 children died from yellow fever; 198,000 children died from tetanus; 294,000 children died from pertussis; 386,000 children died from *Hemophilus influenzae* type b (Hib); and 540,000 children died from measles (4). Among adults, 600,000 deaths were attributed to hepatitis B virus infections, the majority of which were acquired in childhood. In addition, other diseases can be prevented by vaccines that are not universally recommended by WHO. During 2002, the largest numbers of deaths from these VPDs among children aged <5 years were attributed to pneumococcal disease (716,000) and rotavirus infection (402,000) (4) (Figure 1); 240,000 adult deaths were attributed to human papilloma virus infection (WHO, unpublished data, 2002). During 2002, approximately 1.9 million (76%) of the 2.5 million VPD deaths among children aged <5 years worldwide occurred in Africa or Southeast Asia (Table).

Vaccines for measles, polio, diphtheria, pertussis, and tetanus have been part of the WHO recommended vaccination series since the inception of the Expanded Programme on Immunization in 1974. In 1988, WHO recommended inclusion of yellow fever vaccine in routine infant immunization programs in countries with populations at risk for yellow fever. Hepatitis B vaccine was universally recommended for infants by WHO in 1992; in 1998, WHO recommended that Hib vaccine be included in routine infant immunization programs, where suited to national capacities and priorities. In January 2006, the WHO Immunization Strategic Advisory Group recommended global implementation of Hib vaccination unless robust evidence exists of low disease burden or overwhelming impediments to implementation exist (5).

WHO has not issued a universal recommendation for pneumococcal vaccine. The only licensed pneumococcal conjugate vaccine does not contain serotypes 1 and 5, which are responsible for a substantial proportion of severe disease in developing countries. Vaccines containing these and additional serotypes are under development. Where the control of invasive pneumococcal disease is considered a public health

FIGURE 1. Percentage of deaths from vaccine-preventable diseases (VPDs)* among children aged <5 years, by disease — worldwide, 2002



* An estimated 2.5 million deaths worldwide (of a total of 10.5 million for this age group) are caused by diseases for which vaccines are currently available.

† Diphtheria, hepatitis B, Japanese encephalitis, meningococcal disease, poliomyelitis, and yellow fever. (In older age groups, approximately 600,000 hepatitis B deaths are preventable by routine immunization.)

priority and where available vaccine serotypes match the most important local serotypes, WHO recommends that the conjugate vaccine should be considered for inclusion in childhood vaccination programs. One rotavirus vaccine has been licensed in the United States since February 2006, and another is currently licensed in more than 36 countries outside the United States; nonetheless, no WHO universal recommendation has been issued for rotavirus vaccine because this vaccine is relatively new and vaccine efficacy data have not been established in all WHO regions. Human papilloma virus vaccine is under review by the Food and Drug Administration for licensure in the United States and is not licensed outside the United States.

Estimated Vaccination Coverage, 2004

By convention, the success of routine immunization programs in reaching children has been measured by the vaccination coverage achieved with the third dose of diphtheria-tetanus-pertussis vaccine (DTP3) among children aged 12–23 months (6). WHO and UNICEF base estimates of routine vaccination coverage for all diseases (including DTP3) on review of administrative coverage data, surveys, national reports, and consultation with local and regional experts (7). Aggregated across member states, routine

TABLE. Estimated number of 2002 deaths from vaccine-preventable diseases (VPDs) among children aged <5 years, 2004 diphtheria-tetanus-pertussis (DTP) vaccine coverage, and numbers of unreached infants and incompletely vaccinated infants, by World Health Organization (WHO) region — worldwide

| WHO region | No. of deaths | % coverage with 1 dose of DTP | No. of unreached infants* | % coverage with 3 doses of DTP | No. of incompletely vaccinated infants† |
|-----------------------|------------------|-------------------------------|---------------------------|--------------------------------|---|
| African | 1,113,000 | 78 | 5,607,000 | 66 | 3,048,000 |
| American | 44,000 | 96 | 562,000 | 92 | 659,000 |
| Eastern Mediterranean | 353,000 | 86 | 1,948,000 | 78 | 1,186,000 |
| European | 32,000 | 96 | 458,000 | 94 | 158,000 |
| South East Asian | 757,000 | 77 | 8,082,000 | 69 | 2,959,000 |
| Western Pacific | 251,000 | 96 | 1,051,000 | 90 | 1,302,000 |
| Total | 2,550,000 | 86 | 17,708,000 | 78 | 9,312,000 |

* Number of surviving infants who did not receive 1 dose of DTP, calculated on the basis of WHO/UNICEF estimates of vaccination coverage with 1 dose of DTP and estimates of surviving infants from *World Population Prospects: The 2004 Revision*.

† Number of surviving infants who did not receive 3 doses of DTP; unvaccinated infants were excluded.

coverage with DTP3 ranged from 70% to 78% during 1990–2004 (Figure 2). Substantial differences exist in DTP3 coverage among WHO regions. The European, Western Pacific, and American regions had DTP3 coverage of $\geq 90\%$ in 2004, whereas coverage was 69% in the South East Asia region and 66% in the African region. Poor coverage in a region contributes to a high burden of disease and is reflected in the number of child deaths (Table).

Prevention of hepatitis B virus infection is assessed by vaccination coverage with the third dose of hepatitis B vaccine (HepB3) among children aged 12–23 months. As of 2004, a total of 153 (80%) of 192 WHO member states were using the vaccine. Of these 153 countries, 102 (67%) had HepB3 coverage of $\geq 80\%$, 36 (24%) had coverage of $< 80\%$, and 15 (10%) either had not reported coverage data or had not introduced the vaccine nationwide. Overall vaccination coverage with HepB3 is increasing and had reached 48% of WHO member states in 2004 (Figure 2).

Prevention of Hib infection also is assessed by vaccination coverage with the third dose of the vaccine (Hib3). Ninety-two (48%) of the WHO member states have introduced Hib vaccine since 1986; in 2004, a total of 78 (85%) reported Hib3 coverage of $\geq 80\%$ among children aged 12–23 months.

Global Immunization Vision and Strategy

In 2005, WHO and UNICEF worked with partners to create a Global Immunization Vision and Strategy (GIVS) for 2006–2015 (8,9). This strategy, which seeks to expand the reach of vaccination to every eligible person (3), is intended to be used as the basis for developing national comprehensive multiyear plans. GIVS articulates the WHO and UNICEF visions for global immunization in 2015 and is composed of four strategic areas: 1) protecting more persons in a changing

world by improving routine immunization coverage, ensuring at least four immunization contacts per child, and expanding immunization programs to all ages; 2) introducing new vaccines and technologies; 3) integrating immunization, other linked health interventions, and surveillance in the health systems context; and 4) creating global partnerships to support and finance immunizations (3).

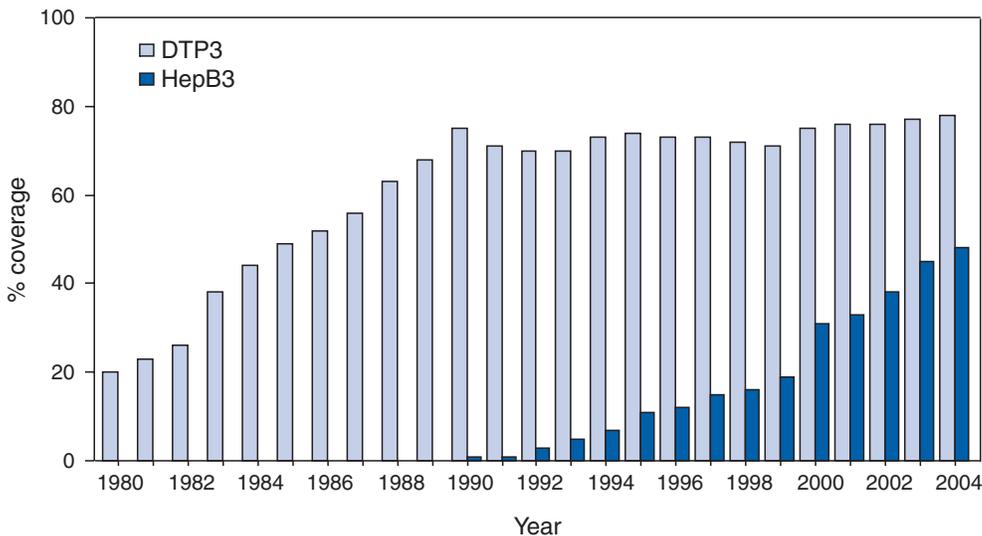
Reported by: *Dept of Immunization, Vaccines, and Biologicals, World Health Organization, Geneva, Switzerland. United Nations Children's Fund, New York, New York. Global Immunization Div, National Center for Immunization and Respiratory Diseases (proposed); M McMorro, MD, EIS Officer, CDC.*

Editorial Note: Despite the successes of immunization programs worldwide, global estimates of VPD mortality and DTP3 coverage underscore that available vaccines are not being used to their fullest potential. Challenges include sustaining current vaccination coverage levels, extending vaccination to unreached populations and persons beyond infancy, and introducing new vaccines and technologies. GIVS provides a framework within which these challenges can be addressed.

Implementation of multiple activities outlined in GIVS actually began before development of this strategic vision. However, GIVS unifies these activities and, by serving as the basis for national comprehensive multiyear plans, provides countries with a method for identifying critical areas and resource needs, and an opportunity to track their national progress. At least 40 countries are developing these multiyear plans, which will include cost estimates for all immunization activities and outline future initiatives to improve vaccine coverage and extend vaccination to unreached populations (WHO, unpublished data, 2006). Fifty-three countries have implemented the Reaching Every District (RED) strategy, WHO's key strategy for increasing routine vaccination coverage. The RED strategy encourages supportive supervision, regular outreach services, community links with service delivery, improved data management, and improved planning based upon data (3).

Increasing access to new vaccines has the potential to greatly reduce the number of child deaths worldwide. Two GIVS priorities are to help countries develop the capacity to make informed decisions regarding vaccine introduction on the basis of robust evidence of disease burden, economic analysis,

FIGURE 2. Vaccination coverage with 3 doses of diphtheria-tetanus-pertussis vaccine (DTP3) and 3 doses of hepatitis B vaccine (HepB3) among children aged 12–23 months — World Health Organization member states, 1980–2004



and feasibility of introduction, and to ensure that national systems can sustain vaccine delivery programs. In 2005, a Hib initiative funded by the Global Alliance for Vaccines and Immunization (GAVI)* was launched to help countries decide whether to introduce *Haemophilus influenzae* type b vaccine into their immunization programs. GAVI-funded initiatives also exist for planning future introduction of pneumococcal and rotavirus vaccines.

The GIVS acknowledges the need to strengthen the health sector to decrease barriers to immunization, improve disease surveillance, and strengthen data management and suggests strategies for implementation. Furthermore, because immunization services often have the greatest community penetration of any public health intervention, the GIVS encourages linking immunizations to other interventions rather than providing them in isolation. For example, vitamin A supplements have been distributed through immunization services since 1987; during 2004, a total of 73 countries provided vitamin A to infants with routine immunizations, immunization campaigns, or both. In addition, during 2005, three immunization campaigns in Africa distributed antihelminthic medications and nine African countries distributed insecticide-treated mosquito bednets during immunization campaigns or routine services. Pilot projects also are in development to assess integration with routine immunization services of

medical care for infants exposed to human immunodeficiency virus and intermittent preventive therapy against malaria for infants.

Various global partnerships and funding mechanisms are available to sustain immunization programs. For example, GAVI offers financial support to introduce new and underused vaccines, improve injection safety, and strengthen routine immunization services. In addition, the International Finance Facility for Immunization,[†] a United Kingdom initiative, uses legally binding, long-term commitments from donors to leverage funding from international capital markets by issuing bonds to increase the funds

available for immunization programs.

By using the framework of the GIVS, WHO, UNICEF, and partners are continuing to develop plans of action within each of the strategic areas outlined above. In collaboration with WHO, CDC is assisting in the development of guidelines for integrated surveillance for all vaccine-preventable diseases. CDC will continue to provide technical support to WHO and UNICEF as requested to support the GIVS.

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*GAVI is an alliance of public and private sector organizations that supports introduction of new vaccines through administration of the Vaccine Fund. GAVI also has been active in improving routine immunization program services and data quality and increasing support for vaccination globally. Additional information is available at <http://www.gavialliance.org>.

[†] Additional information is available at <http://www.iffim.com>.

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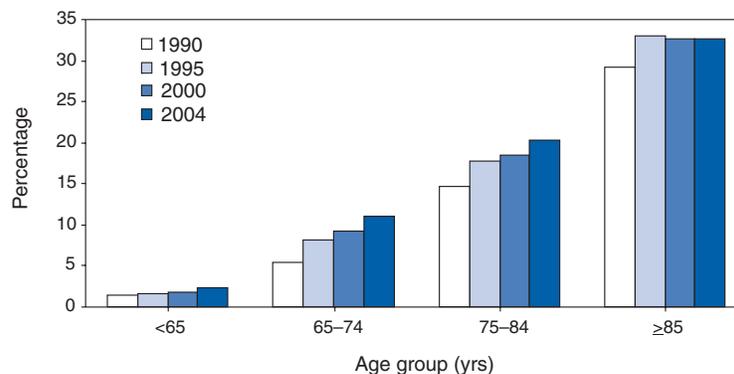
Errata: Vol. 55, No. 17

On page 492, in Table I, "Provisional cases of infrequently reported notifiable diseases (<1,000 cases during the preceding year) — United States, week ending April 29, 2006," in the row, "Influenza-associated pediatric mortality," in the column "Cum 2006," the total should be 25; in the column "States reporting cases during current week (No.)," the total reported by CA should be (2).

QuickStats

FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

Percentage of Hospital Inpatients Transferred to Long-Term-Care Facilities, by Age Group — United States, 1990, 1995, 2000, and 2004



The percentage of hospital inpatients transferred to long-term facilities increases with age. However, during 1990–2004, the percentage transferred increased among all age groups except those aged ≥ 85 years. For that group, the percentage increased from 1990 to 1995 and then leveled off.

SOURCE: 1990–2004 National Hospital Discharge Survey annual data files. Hyattsville, MD: US Department of Health and Human Services, CDC, National Center for Health Statistics. Available at <http://www.cdc.gov/nchs/about/major/hdasd/nhds.htm>.

TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending May 6, 2006 (18th Week)*

| Disease | Current week | Cum 2006 | 5-year weekly average† | Total cases reported for previous years | | | | | States reporting cases during current week (No.) |
|--|--------------|----------|------------------------|---|-------|-------|-------|-------|---|
| | | | | 2005 | 2004 | 2003 | 2002 | 2001 | |
| Anthrax | — | 1 | — | — | — | — | 2 | 23 | |
| Botulism: | | | | | | | | | |
| foodborne | 1 | 1 | 0 | 16 | 16 | 20 | 28 | 39 | NC (1) |
| infant | 1 | 23 | 1 | 87 | 87 | 76 | 69 | 97 | PA (1) |
| other (wound & unspecified) | — | 19 | 0 | 33 | 30 | 33 | 21 | 19 | |
| Brucellosis | 3 | 29 | 2 | 117 | 114 | 104 | 125 | 136 | CA (3) |
| Chancroid | — | 13 | 1 | 18 | 30 | 54 | 67 | 38 | |
| Cholera | — | — | 0 | 6 | 5 | 2 | 2 | 3 | |
| Cyclosporiasis§ | — | 14 | 15 | 734 | 171 | 75 | 156 | 147 | |
| Diphtheria | — | — | 0 | — | — | 1 | 1 | 2 | |
| Domestic arboviral diseases§§: | | | | | | | | | |
| California serogroup | — | — | 0 | 78 | 112 | 108 | 164 | 128 | |
| eastern equine | — | — | — | 21 | 6 | 14 | 10 | 9 | |
| Powassan | — | — | — | 1 | 1 | — | 1 | N | |
| St. Louis | — | — | 0 | 10 | 12 | 41 | 28 | 79 | |
| western equine | — | — | — | — | — | — | — | — | |
| Ehrlichiosis§: | | | | | | | | | |
| human granulocytic | — | 16 | 4 | 768 | 537 | 362 | 511 | 261 | |
| human monocytic | — | 44 | 2 | 460 | 338 | 321 | 216 | 142 | |
| human (other & unspecified) | — | 4 | 1 | 124 | 59 | 44 | 23 | 6 | |
| <i>Haemophilus influenzae</i> ,** | | | | | | | | | |
| invasive disease (age <5 yrs): | | | | | | | | | |
| serotype b | — | 2 | 1 | 10 | 19 | 32 | 34 | — | |
| nonserotype b | 1 | 37 | 4 | 131 | 135 | 117 | 144 | — | MN (1) |
| unknown serotype | 3 | 71 | 4 | 211 | 177 | 227 | 153 | — | MA (1), PA (1), FL (1) |
| Hansen disease§ | — | 14 | 1 | 86 | 105 | 95 | 96 | 79 | |
| Hantavirus pulmonary syndrome§ | — | 6 | 0 | 22 | 24 | 26 | 19 | 8 | |
| Hemolytic uremic syndrome, postdiarrheal§ | 5 | 32 | 3 | 213 | 200 | 178 | 216 | 202 | NC (1), GA (2), UT (1), CA (1) |
| Hepatitis C viral, acute | 3 | 261 | 33 | 819 | 713 | 1,102 | 1,835 | 3,976 | IN (1), MO (1), GA (1) |
| HIV infection, pediatric (age <13 yrs)§†† | — | 52 | 4 | 380 | 436 | 504 | 420 | 543 | |
| Influenza-associated pediatric mortality§,§§,¶¶ | 2 | 27 | 0 | 49 | — | N | N | N | KS (1), CA (1) |
| Listeriosis | 4 | 162 | 10 | 876 | 753 | 696 | 665 | 613 | PA (1), TX (1), CO (1), CA (1) |
| Measles | 3 | 10*** | 1 | 65 | 37 | 56 | 44 | 116 | KS (3) |
| Meningococcal disease,††† invasive: | | | | | | | | | |
| A, C, Y, & W-135 | 1 | 84 | 5 | 310 | — | — | — | — | FL (1) |
| serogroup B | — | 54 | 3 | 178 | — | — | — | — | |
| other serogroup | 1 | 11 | 0 | 27 | — | — | — | — | OK (1) |
| Mumps | 264 | 2,329 | 5 | 309 | 258 | 231 | 270 | 266 | PA (8), OH (3), IN (2), WI (47), MN (4), IA (15), MO (21), SD (20), KS (114), FL (2), OK (28) |
| Plague | — | 1 | 0 | 7 | 3 | 1 | 2 | 2 | |
| Poliomyelitis, paralytic | — | — | — | 1 | — | — | — | — | |
| Psittacosis§ | — | 6 | 0 | 23 | 12 | 12 | 18 | 25 | |
| Q fever§ | — | 36 | 1 | 130 | 70 | 71 | 61 | 26 | |
| Rabies, human | — | — | — | 2 | 7 | 2 | 3 | 1 | |
| Rubella | — | 1 | 0 | 9 | 10 | 7 | 18 | 23 | |
| Rubella, congenital syndrome | — | 1 | — | 1 | — | 1 | 1 | 3 | |
| SARS-CoV§§ | — | — | — | — | — | 8 | N | N | |
| Smallpox§ | — | — | — | — | — | — | — | — | |
| Streptococcal toxic-shock syndrome§ | — | 47 | 4 | 124 | 132 | 161 | 118 | 77 | |
| <i>Streptococcus pneumoniae</i> ,§ | | | | | | | | | |
| invasive disease (age <5 yrs) | 11 | 414 | 17 | 1,191 | 1,162 | 845 | 513 | 498 | MA (3), NY (1), OH (1), IN (3), MI (1), MN (2) |
| Syphilis, congenital (age <1 yr) | 1 | 77 | 8 | 357 | 353 | 413 | 412 | 441 | NC (1) |
| Tetanus | — | 6 | 1 | 26 | 34 | 20 | 25 | 37 | |
| Toxic-shock syndrome (other than streptococcal)§ | — | 37 | 2 | 93 | 95 | 133 | 109 | 127 | |
| Trichinellosis | — | 3 | 0 | 20 | 5 | 6 | 14 | 22 | |
| Tularemia§ | 1 | 7 | 1 | 144 | 134 | 129 | 90 | 129 | MO (1) |
| Typhoid fever | 3 | 77 | 6 | 314 | 322 | 356 | 321 | 368 | RI (1), WA (1), CA (1) |
| Vancomycin-intermediate <i>Staphylococcus aureus</i> § | — | 1 | — | 2 | — | N | N | N | |
| Vancomycin-resistant <i>Staphylococcus aureus</i> § | — | — | — | — | 1 | N | N | N | |
| Yellow fever | — | — | — | — | — | — | 1 | — | |

—: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts.

* Incidence data for reporting years 2004, 2005, and 2006 are provisional, whereas data for 2001, 2002, and 2003 are finalized.

† Calculated by summing the incidence counts for the current week, the two weeks preceding the current week, and the two weeks following the current week, for a total of 5 preceding years. Additional information is available at <http://www.cdc.gov/epo/dphsi/phs/files/5yearweeklyaverage.pdf>.

§ Not notifiable in all states.

¶ Includes both neuroinvasive and non-neuroinvasive. Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Infectious Diseases (ArboNET Surveillance).

** Data for *H. influenzae* (all ages, all serotypes) are available in Table II.

†† Updated monthly from reports to the Division of HIV/AIDS Prevention, National Center for HIV, STD, and TB Prevention. Implementation of HIV reporting influences the number of cases reported. Data for HIV/AIDS are available in Table IV quarterly.

§§ Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases.

¶¶ Of the 32 cases reported since October 2, 2005 (week 40), only 30 occurred during the current 2005–06 season.

*** Of the three measles cases reported for the current week, three were indigenous and none were imported from another country.

††† Data for meningococcal disease (all serogroups and unknown serogroups) are available in Table II.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending May 6, 2006, and May 7, 2005 (18th Week)*

| Reporting area | Chlamydia† | | | | | Coccidioidomycosis | | | | | Cryptosporidiosis | | | | |
|----------------------|--------------|----------|--------|----------|----------|--------------------|----------|-------|----------|----------|-------------------|----------|-----|----------|----------|
| | Current week | Previous | | Cum 2006 | Cum 2005 | Current week | Previous | | Cum 2006 | Cum 2005 | Current week | Previous | | Cum 2006 | Cum 2005 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 9,731 | 18,665 | 34,875 | 311,570 | 331,102 | 9 | 116 | 1,643 | 3,016 | 1,316 | 34 | 72 | 854 | 782 | 686 |
| New England | 725 | 645 | 1,533 | 10,523 | 9,349 | — | 0 | 0 | — | — | 2 | 4 | 34 | 48 | 47 |
| Connecticut | 327 | 171 | 1,197 | 2,412 | 1,416 | N | 0 | 0 | N | N | — | 0 | 14 | 7 | 5 |
| Maine | — | 41 | 74 | 675 | 769 | N | 0 | 0 | N | N | — | 0 | 3 | 10 | 6 |
| Massachusetts | 274 | 286 | 432 | 5,215 | 4,956 | — | 0 | 0 | — | — | — | 2 | 15 | 21 | 14 |
| New Hampshire | 40 | 34 | 64 | 631 | 656 | — | 0 | 0 | — | — | 2 | 0 | 3 | 8 | 5 |
| Rhode Island | 72 | 65 | 99 | 1,160 | 1,189 | — | 0 | 0 | — | — | — | 0 | 6 | — | 1 |
| Vermont§ | 12 | 19 | 43 | 430 | 363 | N | 0 | 0 | N | N | — | 0 | 5 | 2 | 16 |
| Mid. Atlantic | 1,089 | 2,257 | 3,697 | 39,153 | 40,386 | — | 0 | 0 | — | — | 7 | 10 | 598 | 114 | 92 |
| New Jersey | 92 | 376 | 526 | 6,153 | 6,306 | N | 0 | 0 | N | N | — | 0 | 8 | 3 | 7 |
| New York (Upstate) | 529 | 498 | 1,728 | 7,641 | 7,593 | N | 0 | 0 | N | N | 5 | 4 | 562 | 33 | 21 |
| New York City | — | 692 | 1,615 | 12,089 | 13,437 | N | 0 | 0 | N | N | — | 2 | 15 | 14 | 26 |
| Pennsylvania | 468 | 712 | 1,069 | 13,270 | 13,050 | N | 0 | 0 | N | N | 2 | 4 | 21 | 64 | 38 |
| E.N. Central | 807 | 3,167 | 12,575 | 55,798 | 56,867 | 1 | 0 | 3 | 14 | 3 | 5 | 13 | 162 | 151 | 145 |
| Illinois | — | 947 | 1,536 | 14,204 | 17,306 | — | 0 | 0 | — | — | — | 1 | 16 | 9 | 18 |
| Indiana | 331 | 389 | 553 | 6,806 | 7,012 | N | 0 | 0 | N | N | 1 | 1 | 13 | 12 | 11 |
| Michigan | 427 | 624 | 9,885 | 17,370 | 8,827 | 1 | 0 | 3 | 9 | 3 | — | 2 | 7 | 28 | 21 |
| Ohio | 38 | 801 | 1,445 | 10,868 | 16,610 | — | 0 | 1 | 5 | — | 4 | 5 | 109 | 71 | 42 |
| Wisconsin | 11 | 403 | 531 | 6,550 | 7,112 | N | 0 | 0 | N | N | — | 4 | 38 | 31 | 53 |
| W.N. Central | 283 | 1,123 | 1,462 | 18,294 | 20,477 | — | 0 | 12 | — | 3 | 10 | 9 | 51 | 126 | 87 |
| Iowa | — | 143 | 225 | 2,708 | 2,459 | N | 0 | 0 | N | N | — | 1 | 11 | 10 | 16 |
| Kansas | 138 | 154 | 269 | 2,803 | 2,588 | N | 0 | 0 | N | N | 1 | 1 | 5 | 19 | 8 |
| Minnesota | — | 231 | 298 | 3,014 | 4,389 | — | 0 | 12 | — | 3 | 8 | 3 | 22 | 56 | 25 |
| Missouri | — | 434 | 525 | 6,501 | 7,788 | — | 0 | 1 | — | — | — | 2 | 37 | 26 | 29 |
| Nebraska§ | 70 | 97 | 176 | 1,771 | 1,781 | N | 0 | 1 | N | N | — | 0 | 3 | 3 | 1 |
| North Dakota | 18 | 31 | 50 | 563 | 502 | N | 0 | 0 | N | N | — | 0 | 1 | 1 | — |
| South Dakota | 57 | 52 | 117 | 934 | 970 | N | 0 | 0 | N | N | 1 | 0 | 4 | 11 | 8 |
| S. Atlantic | 3,269 | 3,213 | 4,833 | 56,765 | 61,667 | — | 0 | 1 | 2 | — | 8 | 15 | 54 | 215 | 137 |
| Delaware | 68 | 68 | 92 | 1,247 | 1,173 | N | 0 | 0 | N | N | — | 0 | 2 | — | — |
| District of Columbia | — | 61 | 101 | 673 | 1,383 | — | 0 | 0 | — | — | — | 0 | 3 | 5 | 1 |
| Florida | 745 | 874 | 1,092 | 15,881 | 14,938 | N | 0 | 0 | N | N | 8 | 6 | 28 | 87 | 51 |
| Georgia | — | 585 | 2,070 | 5,585 | 10,303 | — | 0 | 0 | — | — | — | 3 | 12 | 72 | 37 |
| Maryland§ | — | 358 | 525 | 5,826 | 6,079 | — | 0 | 1 | 2 | — | — | 0 | 4 | 7 | 6 |
| North Carolina | 1,772 | 557 | 1,743 | 12,883 | 11,956 | N | 0 | 0 | N | N | — | 1 | 10 | 25 | 19 |
| South Carolina§ | 286 | 258 | 1,306 | 6,211 | 6,869 | — | 0 | 0 | — | — | — | 0 | 4 | 4 | 9 |
| Virginia§ | 361 | 425 | 840 | 7,214 | 8,168 | N | 0 | 0 | N | N | — | 1 | 8 | 13 | 10 |
| West Virginia | 37 | 56 | 224 | 1,245 | 798 | N | 0 | 0 | N | N | — | 0 | 3 | 2 | 4 |
| E.S. Central | 349 | 1,377 | 2,188 | 23,175 | 23,847 | — | 0 | 0 | — | — | 1 | 3 | 21 | 25 | 12 |
| Alabama§ | — | 351 | 1,048 | 6,154 | 3,891 | N | 0 | 0 | N | N | — | 0 | 3 | 8 | 4 |
| Kentucky | 163 | 153 | 336 | 3,502 | 4,105 | N | 0 | 0 | N | N | 1 | 1 | 20 | 8 | 4 |
| Mississippi | 186 | 380 | 801 | 5,484 | 7,835 | — | 0 | 0 | — | — | — | 0 | 1 | 1 | 1 |
| Tennessee§ | — | 477 | 614 | 8,035 | 8,016 | N | 0 | 0 | N | N | — | 1 | 4 | 8 | 3 |
| W.S. Central | 902 | 2,136 | 3,605 | 36,279 | 39,883 | — | 0 | 1 | — | — | 1 | 4 | 30 | 56 | 22 |
| Arkansas | 161 | 169 | 340 | 2,789 | 3,082 | — | 0 | 0 | — | — | — | 0 | 2 | 5 | 1 |
| Louisiana | — | 284 | 761 | 4,845 | 6,404 | N | 0 | 1 | N | N | — | 0 | 21 | 6 | 3 |
| Oklahoma | 266 | 226 | 2,159 | 3,681 | 3,680 | N | 0 | 0 | N | N | — | 0 | 10 | 11 | 7 |
| Texas§ | 475 | 1,383 | 1,764 | 24,964 | 26,717 | N | 0 | 0 | N | N | 1 | 2 | 19 | 34 | 11 |
| Mountain | 502 | 1,076 | 1,718 | 16,554 | 21,471 | — | 87 | 452 | 2,229 | 766 | — | 2 | 9 | 25 | 40 |
| Arizona | 379 | 315 | 536 | 5,941 | 7,286 | — | 84 | 448 | 2,194 | 724 | — | 0 | 1 | 3 | 4 |
| Colorado | — | 261 | 482 | 2,211 | 5,256 | N | 0 | 0 | N | N | — | 1 | 3 | 9 | 12 |
| Idaho§ | 52 | 51 | 235 | 1,169 | 754 | N | 0 | 0 | N | N | — | 0 | 2 | 2 | 2 |
| Montana | 3 | 42 | 181 | 702 | 811 | N | 0 | 0 | N | N | — | 0 | 2 | 5 | 4 |
| Nevada§ | — | 129 | 448 | 1,346 | 2,620 | — | 1 | 4 | 16 | 30 | — | 0 | 1 | 1 | 5 |
| New Mexico§ | — | 168 | 338 | 3,191 | 2,824 | — | 0 | 2 | — | 8 | — | 0 | 3 | — | 7 |
| Utah | 21 | 88 | 138 | 1,484 | 1,536 | — | 0 | 3 | 17 | 4 | — | 0 | 3 | 5 | 4 |
| Wyoming | 47 | 24 | 43 | 510 | 384 | — | 0 | 2 | 2 | — | — | 0 | 1 | — | 2 |
| Pacific | 1,805 | 3,195 | 4,998 | 55,029 | 57,155 | 8 | 30 | 1,179 | 771 | 544 | — | 4 | 52 | 22 | 104 |
| Alaska | 77 | 77 | 121 | 1,406 | 1,338 | — | 0 | 0 | — | — | — | 0 | 2 | 1 | — |
| California | 1,222 | 2,467 | 4,231 | 42,181 | 44,202 | 8 | 30 | 1,179 | 771 | 544 | — | 3 | 14 | — | 69 |
| Hawaii | — | 107 | 135 | 1,751 | 1,871 | N | 0 | 0 | N | N | — | 0 | 1 | — | — |
| Oregon§ | 150 | 180 | 315 | 3,366 | 3,071 | N | 0 | 0 | N | N | — | 1 | 20 | 21 | 16 |
| Washington | 356 | 357 | 604 | 6,325 | 6,673 | N | 0 | 0 | N | N | — | 0 | 38 | — | 19 |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| C.N.M.I. | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| Guam | — | 0 | 0 | — | 64 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | 162 | 76 | 160 | 1,719 | 1,508 | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| U.S. Virgin Islands | — | 4 | 8 | — | 122 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

C.N.M.I.: Commonwealth of Northern Mariana Islands.

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

Cum: Cumulative year-to-date counts.

Med: Median.

Max: Maximum.

* Incidence data for reporting years 2005 and 2006 are provisional.

† Chlamydia refers to genital infections caused by *Chlamydia trachomatis*.

§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 6, 2006, and May 7, 2005 (18th Week)*

| Reporting area | Giardiasis | | | | | Gonorrhea | | | | | Haemophilus influenzae, invasive All ages, all serotypes | | | | |
|----------------------|--------------|-------------------|-------|----------|----------|--------------|-------------------|--------|----------|----------|---|-------------------|-----|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 203 | 331 | 1,010 | 4,450 | 5,491 | 2,572 | 6,552 | 13,999 | 106,092 | 110,330 | 26 | 37 | 126 | 704 | 915 |
| New England | 7 | 28 | 73 | 335 | 506 | 158 | 108 | 286 | 1,780 | 1,726 | 1 | 2 | 18 | 43 | 61 |
| Connecticut | — | 0 | 37 | 82 | 116 | 93 | 43 | 239 | 608 | 472 | — | 0 | 9 | 8 | 16 |
| Maine | 1 | 3 | 11 | 24 | 48 | — | 2 | 6 | 40 | 47 | — | 0 | 1 | 5 | 4 |
| Massachusetts | 3 | 12 | 34 | 149 | 194 | 52 | 47 | 76 | 860 | 966 | 1 | 1 | 5 | 24 | 25 |
| New Hampshire | — | 0 | 7 | 9 | 19 | 5 | 4 | 9 | 85 | 49 | — | 0 | 1 | 1 | — |
| Rhode Island | 2 | 0 | 25 | 24 | 21 | 7 | 7 | 25 | 167 | 178 | — | 0 | 7 | 2 | 6 |
| Vermont† | 1 | 3 | 15 | 47 | 108 | 1 | 1 | 4 | 20 | 14 | — | 0 | 2 | 3 | 10 |
| Mid. Atlantic | 21 | 63 | 264 | 761 | 1,023 | 279 | 651 | 1,014 | 10,659 | 11,440 | 5 | 7 | 28 | 131 | 161 |
| New Jersey | — | 7 | 18 | 55 | 147 | 73 | 111 | 150 | 1,840 | 1,921 | — | 1 | 4 | 12 | 23 |
| New York (Upstate) | 16 | 22 | 237 | 304 | 309 | 99 | 123 | 455 | 2,036 | 2,232 | 1 | 2 | 25 | 44 | 47 |
| New York City | 1 | 15 | 32 | 175 | 311 | — | 182 | 402 | 2,960 | 3,514 | — | 1 | 4 | 12 | 29 |
| Pennsylvania | 4 | 16 | 29 | 227 | 256 | 107 | 216 | 390 | 3,823 | 3,773 | 4 | 3 | 8 | 63 | 62 |
| E.N. Central | 13 | 55 | 114 | 605 | 908 | 285 | 1,321 | 7,044 | 24,090 | 21,979 | 4 | 5 | 14 | 91 | 151 |
| Illinois | — | 13 | 32 | 24 | 231 | — | 373 | 567 | 5,563 | 6,572 | — | 1 | 5 | 14 | 38 |
| Indiana | N | 0 | 0 | N | N | 144 | 159 | 229 | 2,939 | 2,717 | 3 | 1 | 6 | 22 | 33 |
| Michigan | 1 | 14 | 29 | 213 | 234 | 122 | 267 | 5,877 | 8,389 | 3,285 | — | 0 | 3 | 14 | 10 |
| Ohio | 12 | 16 | 34 | 260 | 200 | 17 | 380 | 681 | 4,999 | 7,454 | 1 | 2 | 6 | 31 | 55 |
| Wisconsin | — | 15 | 39 | 108 | 243 | 2 | 121 | 172 | 2,200 | 1,951 | — | 1 | 3 | 10 | 15 |
| W.N. Central | 94 | 33 | 247 | 470 | 643 | 64 | 364 | 461 | 5,503 | 6,334 | 3 | 1 | 12 | 36 | 39 |
| Iowa | — | 6 | 14 | 70 | 81 | — | 30 | 54 | 524 | 528 | — | 0 | 0 | — | 1 |
| Kansas | 2 | 4 | 9 | 51 | 54 | 38 | 48 | 124 | 795 | 860 | 1 | 0 | 2 | 7 | 1 |
| Minnesota | 87 | 7 | 238 | 165 | 294 | — | 63 | 88 | 728 | 1,187 | 2 | 0 | 9 | 14 | 17 |
| Missouri | 5 | 10 | 32 | 137 | 140 | — | 181 | 240 | 2,877 | 3,190 | — | 0 | 7 | 12 | 14 |
| Nebraska† | — | 1 | 6 | 23 | 40 | 18 | 22 | 56 | 425 | 416 | — | 0 | 2 | 3 | 5 |
| North Dakota | — | 0 | 3 | 3 | 1 | 4 | 2 | 6 | 38 | 27 | — | 0 | 2 | — | 1 |
| South Dakota | — | 2 | 7 | 21 | 33 | 4 | 6 | 15 | 116 | 126 | — | 0 | 0 | — | — |
| S. Atlantic | 20 | 56 | 108 | 824 | 852 | 841 | 1,444 | 2,240 | 23,175 | 26,205 | 8 | 9 | 25 | 194 | 220 |
| Delaware | — | 1 | 3 | 8 | 19 | 23 | 21 | 44 | 506 | 284 | — | 0 | 1 | 1 | — |
| District of Columbia | — | 1 | 5 | 20 | 16 | — | 39 | 67 | 492 | 710 | — | 0 | 1 | 1 | 1 |
| Florida | 17 | 19 | 39 | 302 | 275 | 366 | 403 | 512 | 7,291 | 6,516 | 5 | 3 | 9 | 69 | 56 |
| Georgia | 1 | 15 | 68 | 276 | 241 | — | 268 | 918 | 2,461 | 4,531 | 3 | 2 | 5 | 47 | 59 |
| Maryland† | — | 4 | 11 | 48 | 57 | — | 134 | 242 | 2,277 | 2,305 | — | 1 | 5 | 22 | 33 |
| North Carolina | N | 0 | 0 | N | N | 262 | 270 | 766 | 5,164 | 5,795 | — | 0 | 11 | 15 | 27 |
| South Carolina† | — | 1 | 9 | 23 | 39 | 130 | 112 | 748 | 2,678 | 2,985 | — | 1 | 3 | 14 | 10 |
| Virginia† | 2 | 10 | 55 | 141 | 194 | 44 | 149 | 288 | 1,990 | 2,861 | — | 1 | 9 | 16 | 21 |
| West Virginia | — | 0 | 6 | 6 | 11 | 16 | 16 | 42 | 316 | 218 | — | 0 | 4 | 9 | 13 |
| E.S. Central | 1 | 8 | 19 | 115 | 124 | 102 | 539 | 868 | 8,938 | 8,971 | — | 2 | 8 | 47 | 48 |
| Alabama† | 1 | 4 | 13 | 60 | 57 | — | 183 | 491 | 2,796 | 2,419 | — | 0 | 4 | 11 | 9 |
| Kentucky | N | 0 | 0 | N | N | 52 | 53 | 116 | 1,203 | 1,298 | — | 0 | 2 | 2 | 7 |
| Mississippi | — | 0 | 0 | — | — | 50 | 137 | 225 | 2,027 | 2,324 | — | 0 | 1 | 2 | — |
| Tennessee† | — | 4 | 11 | 55 | 67 | — | 173 | 279 | 2,912 | 2,930 | — | 2 | 5 | 32 | 32 |
| W.S. Central | 1 | 5 | 23 | 70 | 74 | 368 | 848 | 1,431 | 15,048 | 15,674 | 4 | 1 | 6 | 35 | 55 |
| Arkansas | — | 2 | 6 | 22 | 27 | 91 | 87 | 186 | 1,544 | 1,559 | — | 0 | 1 | 2 | — |
| Louisiana | — | 1 | 6 | 21 | 10 | — | 172 | 461 | 2,921 | 3,493 | — | 0 | 3 | 7 | 28 |
| Oklahoma | 1 | 3 | 16 | 27 | 37 | 59 | 83 | 764 | 1,245 | 1,576 | 4 | 1 | 4 | 26 | 27 |
| Texas† | N | 0 | 0 | N | N | 218 | 523 | 712 | 9,338 | 9,046 | — | 0 | 1 | — | — |
| Mountain | 8 | 29 | 57 | 405 | 389 | 126 | 226 | 529 | 3,567 | 4,491 | — | 4 | 10 | 85 | 103 |
| Arizona | — | 2 | 36 | 40 | 54 | 118 | 77 | 176 | 1,490 | 1,608 | — | 1 | 9 | 36 | 46 |
| Colorado | 3 | 10 | 33 | 152 | 135 | — | 58 | 90 | 579 | 1,086 | — | 1 | 4 | 27 | 23 |
| Idaho† | 2 | 2 | 11 | 35 | 41 | 3 | 2 | 10 | 71 | 33 | — | 0 | 1 | 2 | 3 |
| Montana | 1 | 1 | 7 | 23 | 11 | — | 2 | 13 | 37 | 46 | — | 0 | 0 | — | — |
| Nevada† | — | 2 | 6 | 12 | 27 | — | 50 | 195 | 522 | 973 | — | 0 | 1 | — | 11 |
| New Mexico† | — | 1 | 6 | 13 | 17 | — | 29 | 64 | 536 | 487 | — | 0 | 3 | 10 | 15 |
| Utah | 2 | 8 | 19 | 124 | 96 | 3 | 15 | 22 | 276 | 238 | — | 0 | 4 | 9 | 4 |
| Wyoming | — | 1 | 2 | 6 | 8 | 2 | 2 | 6 | 56 | 20 | — | 0 | 2 | 1 | 1 |
| Pacific | 38 | 62 | 203 | 865 | 972 | 349 | 799 | 941 | 13,332 | 13,510 | 1 | 3 | 20 | 42 | 77 |
| Alaska | — | 1 | 6 | 11 | 24 | 7 | 10 | 23 | 188 | 170 | — | 0 | 19 | 3 | 2 |
| California | 25 | 43 | 105 | 633 | 776 | 237 | 651 | 806 | 10,906 | 11,311 | — | 0 | 9 | 8 | 18 |
| Hawaii | — | 1 | 6 | 18 | 22 | — | 19 | 36 | 326 | 336 | — | 0 | 2 | 6 | 5 |
| Oregon† | 4 | 8 | 21 | 123 | 97 | 14 | 28 | 58 | 470 | 560 | 1 | 1 | 7 | 24 | 52 |
| Washington | 9 | 6 | 92 | 80 | 53 | 91 | 73 | 142 | 1,442 | 1,133 | — | 0 | 4 | 1 | — |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| C.N.M.I. | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | 1 | — | 0 | 0 | — | — |
| Puerto Rico | — | 3 | 14 | 4 | 46 | 5 | 6 | 16 | 121 | 137 | — | 0 | 1 | — | — |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 4 | — | 36 | — | 0 | 0 | — | — |

C.N.M.I.: Commonwealth of Northern Mariana Islands.

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

Cum: Cumulative year-to-date counts.

Med: Median.

Max: Maximum.

* Incidence data for reporting years 2005 and 2006 are provisional.

† Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 6, 2006, and May 7, 2005 (18th Week)*

| Reporting area | Hepatitis (viral, acute), by type | | | | | | | | | | Legionellosis | | | | |
|----------------------|-----------------------------------|-------------------|-----|----------|----------|--------------|-------------------|-----|----------|----------|---------------|-------------------|-----|----------|----------|
| | A | | | | | B | | | | | | | | | |
| | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 |
| | Med | Max | | | | Med | Max | | | | Med | Max | | | |
| United States | 47 | 75 | 252 | 1,208 | 1,356 | 32 | 88 | 561 | 1,368 | 1,844 | 10 | 40 | 122 | 390 | 360 |
| New England | — | 6 | 22 | 67 | 139 | — | 2 | 8 | 42 | 41 | — | 2 | 11 | 15 | 18 |
| Connecticut | — | 1 | 3 | 10 | 20 | — | 0 | 5 | — | 17 | — | 0 | 8 | 4 | 4 |
| Maine | — | 0 | 2 | 3 | — | — | 0 | 2 | 2 | 4 | — | 0 | 1 | 2 | 1 |
| Massachusetts | — | 4 | 14 | 33 | 98 | — | 1 | 7 | 33 | 12 | — | 1 | 5 | 7 | 9 |
| New Hampshire | — | 1 | 12 | 14 | 14 | — | 0 | 2 | 4 | 4 | — | 0 | 1 | 1 | 3 |
| Rhode Island | — | 0 | 4 | 2 | 5 | — | 0 | 2 | 3 | — | — | 0 | 10 | — | 1 |
| Vermont† | — | 0 | 2 | 5 | 2 | — | 0 | 1 | — | 4 | — | 0 | 3 | 1 | — |
| Mid. Atlantic | — | 10 | 24 | 62 | 229 | 2 | 10 | 54 | 127 | 261 | 3 | 11 | 53 | 103 | 106 |
| New Jersey | — | 2 | 9 | 17 | 44 | — | 3 | 10 | 36 | 101 | — | 1 | 13 | 6 | 14 |
| New York (Upstate) | — | 1 | 16 | 16 | 30 | 1 | 1 | 42 | 25 | 26 | 3 | 3 | 30 | 41 | 28 |
| New York City | — | 3 | 10 | 14 | 113 | — | 1 | 5 | 14 | 55 | — | 2 | 20 | 9 | 16 |
| Pennsylvania | — | 1 | 6 | 15 | 42 | 1 | 3 | 9 | 52 | 79 | — | 5 | 17 | 47 | 48 |
| E.N. Central | 4 | 6 | 17 | 88 | 143 | 2 | 8 | 26 | 95 | 194 | 1 | 7 | 26 | 68 | 85 |
| Illinois | — | 1 | 9 | 11 | 44 | — | 1 | 7 | — | 53 | — | 1 | 5 | 7 | 13 |
| Indiana | — | 1 | 6 | 8 | 17 | 1 | 0 | 17 | 11 | 7 | — | 0 | 6 | 2 | 8 |
| Michigan | — | 2 | 8 | 39 | 41 | — | 3 | 7 | 46 | 68 | 1 | 2 | 6 | 21 | 22 |
| Ohio | 4 | 1 | 4 | 29 | 24 | 1 | 2 | 8 | 36 | 54 | — | 3 | 19 | 36 | 34 |
| Wisconsin | — | 0 | 5 | 1 | 17 | — | 0 | 6 | 2 | 12 | — | 0 | 3 | 2 | 8 |
| W.N. Central | 5 | 2 | 29 | 46 | 44 | 1 | 5 | 14 | 43 | 86 | — | 1 | 12 | 12 | 11 |
| Iowa | — | 0 | 2 | 3 | 9 | — | 0 | 2 | 1 | 5 | — | 0 | 1 | — | 1 |
| Kansas | 1 | 0 | 5 | 17 | 7 | — | 0 | 3 | 3 | 12 | — | 0 | 1 | 1 | 1 |
| Minnesota | — | 0 | 29 | 2 | 3 | 1 | 0 | 9 | 3 | 6 | — | 0 | 10 | — | 1 |
| Missouri | 4 | 0 | 2 | 16 | 22 | — | 3 | 8 | 35 | 50 | — | 0 | 3 | 8 | 7 |
| Nebraska† | — | 0 | 3 | 3 | 3 | — | 0 | 2 | 1 | 12 | — | 0 | 2 | 2 | — |
| North Dakota | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 1 | — | 1 |
| South Dakota | — | 0 | 3 | 5 | — | — | 0 | 1 | — | 1 | — | 0 | 6 | 1 | — |
| S. Atlantic | 5 | 12 | 34 | 182 | 194 | 12 | 23 | 66 | 362 | 547 | 3 | 9 | 21 | 110 | 74 |
| Delaware | — | 0 | 2 | 4 | 2 | — | 0 | 4 | 14 | 17 | — | 0 | 4 | 1 | 1 |
| District of Columbia | 1 | 0 | 2 | 2 | 2 | — | 0 | 4 | 4 | — | — | 0 | 2 | 4 | 1 |
| Florida | 2 | 5 | 18 | 67 | 72 | 5 | 9 | 19 | 147 | 189 | 3 | 2 | 8 | 51 | 28 |
| Georgia | 2 | 1 | 6 | 17 | 34 | 2 | 3 | 6 | 41 | 91 | — | 0 | 4 | 4 | 6 |
| Maryland† | — | 2 | 7 | 23 | 17 | — | 2 | 8 | 42 | 63 | — | 2 | 9 | 21 | 19 |
| North Carolina | — | 0 | 20 | 40 | 26 | 1 | 0 | 23 | 68 | 53 | — | 0 | 3 | 13 | 9 |
| South Carolina† | — | 1 | 3 | 7 | 10 | — | 2 | 9 | 17 | 54 | — | 0 | 2 | 1 | 2 |
| Virginia† | — | 1 | 12 | 21 | 29 | — | 1 | 20 | 12 | 67 | — | 1 | 9 | 14 | 5 |
| West Virginia | — | 0 | 1 | 1 | 2 | 4 | 0 | 17 | 17 | 13 | — | 0 | 3 | 1 | 3 |
| E.S. Central | 1 | 3 | 16 | 42 | 90 | 3 | 6 | 20 | 102 | 144 | — | 1 | 6 | 11 | 11 |
| Alabama† | — | 0 | 6 | 2 | 11 | 3 | 1 | 7 | 31 | 28 | — | 0 | 2 | 3 | 5 |
| Kentucky | 1 | 0 | 5 | 20 | 7 | — | 1 | 5 | 30 | 29 | — | 0 | 4 | 2 | 2 |
| Mississippi | — | 0 | 2 | 2 | 12 | — | 1 | 4 | 5 | 30 | — | 0 | 1 | — | 1 |
| Tennessee† | — | 1 | 8 | 18 | 60 | — | 2 | 12 | 36 | 57 | — | 1 | 4 | 6 | 3 |
| W.S. Central | — | 9 | 80 | 99 | 147 | 7 | 15 | 286 | 341 | 173 | — | 1 | 29 | 10 | 4 |
| Arkansas | — | 0 | 7 | 22 | 5 | — | 1 | 3 | 9 | 22 | — | 0 | 3 | — | 1 |
| Louisiana | — | 1 | 4 | 2 | 31 | — | 1 | 6 | 7 | 30 | — | 0 | 2 | 4 | — |
| Oklahoma | — | 0 | 2 | 3 | 3 | — | 0 | 5 | 1 | 16 | — | 0 | 3 | 1 | — |
| Texas† | — | 7 | 76 | 72 | 108 | 7 | 12 | 282 | 324 | 105 | — | 0 | 26 | 5 | 3 |
| Mountain | 2 | 5 | 19 | 100 | 115 | 3 | 9 | 39 | 107 | 190 | 3 | 1 | 8 | 23 | 33 |
| Arizona | 1 | 3 | 18 | 65 | 56 | — | 5 | 32 | 69 | 129 | — | 0 | 3 | 10 | 9 |
| Colorado | — | 1 | 4 | 16 | 12 | 2 | 1 | 5 | 13 | 14 | — | 0 | 3 | 2 | 7 |
| Idaho† | — | 0 | 2 | 3 | 15 | 1 | 0 | 2 | 5 | 5 | 2 | 0 | 2 | 2 | 1 |
| Montana | 1 | 0 | 1 | 2 | 6 | — | 0 | 7 | — | — | — | 0 | 1 | — | 2 |
| Nevada† | — | 0 | 2 | 3 | 6 | — | 1 | 4 | 9 | 13 | — | 0 | 2 | 3 | 6 |
| New Mexico† | — | 0 | 3 | 5 | 7 | — | 0 | 3 | 1 | 9 | — | 0 | 1 | — | 2 |
| Utah | — | 0 | 2 | 5 | 12 | — | 0 | 5 | 10 | 19 | 1 | 0 | 2 | 6 | 4 |
| Wyoming | — | 0 | 1 | 1 | 1 | — | 0 | 1 | — | 1 | — | 0 | 1 | — | 2 |
| Pacific | 30 | 19 | 163 | 522 | 255 | 2 | 10 | 63 | 149 | 208 | — | 2 | 9 | 38 | 18 |
| Alaska | — | 0 | 1 | — | 3 | — | 0 | 2 | 1 | 3 | — | 0 | 1 | — | — |
| California | 29 | 15 | 162 | 485 | 212 | 1 | 7 | 41 | 119 | 148 | — | 2 | 9 | 38 | 18 |
| Hawaii | — | 0 | 2 | 7 | 9 | — | 0 | 1 | 1 | 1 | — | 0 | 1 | — | — |
| Oregon† | 1 | 1 | 5 | 14 | 15 | — | 2 | 6 | 18 | 41 | N | 0 | 0 | N | N |
| Washington | — | 1 | 13 | 16 | 16 | 1 | 0 | 18 | 10 | 15 | — | 0 | 0 | — | — |
| American Samoa | U | 0 | 1 | U | — | U | 0 | 0 | U | — | U | 0 | 0 | U | U |
| C.N.M.I. | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | 1 | 0 | 4 | 5 | 28 | 1 | 1 | 6 | 5 | 7 | 1 | 0 | 0 | 1 | — |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

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

Cum: Cumulative year-to-date counts.

Med: Median.

Max: Maximum.

* Incidence data for reporting years 2005 and 2006 are provisional.

† Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 6, 2006, and May 7, 2005 (18th Week)*

| Reporting area | Lyme disease | | | | | Malaria | | | | |
|----------------------|--------------|-------------------|-------|----------|----------|--------------|-------------------|-----|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 |
| | | Med | Max | | | | Med | Max | | |
| United States | 90 | 289 | 1,879 | 1,614 | 2,182 | 24 | 24 | 123 | 307 | 371 |
| New England | 2 | 57 | 759 | 87 | 253 | — | 1 | 12 | 12 | 20 |
| Connecticut | — | 9 | 753 | 47 | 18 | — | 0 | 10 | 1 | — |
| Maine | 1 | 2 | 26 | 15 | 17 | — | 0 | 1 | 2 | 1 |
| Massachusetts | — | 20 | 197 | 1 | 199 | — | 0 | 4 | 6 | 16 |
| New Hampshire | 1 | 3 | 13 | 19 | 13 | — | 0 | 1 | 2 | 2 |
| Rhode Island | — | 0 | 12 | — | 2 | — | 0 | 8 | — | 1 |
| Vermont† | — | 1 | 5 | 5 | 4 | — | 0 | 2 | 1 | — |
| Mid. Atlantic | 75 | 158 | 928 | 1,133 | 1,299 | — | 5 | 15 | 44 | 97 |
| New Jersey | — | 26 | 310 | 184 | 436 | — | 0 | 7 | — | 22 |
| New York (Upstate) | 68 | 73 | 900 | 593 | 240 | — | 1 | 11 | 9 | 18 |
| New York City | — | 4 | 33 | — | 74 | — | 3 | 8 | 24 | 45 |
| Pennsylvania | 7 | 45 | 387 | 356 | 549 | — | 1 | 2 | 11 | 12 |
| E.N. Central | — | 14 | 155 | 56 | 115 | — | 2 | 6 | 35 | 27 |
| Illinois | — | 0 | 6 | — | 3 | — | 0 | 2 | 7 | 9 |
| Indiana | — | 0 | 4 | 1 | 2 | — | 0 | 3 | 5 | 3 |
| Michigan | — | 1 | 7 | 10 | 1 | — | 0 | 2 | 6 | 8 |
| Ohio | — | 1 | 5 | 13 | 17 | — | 1 | 3 | 12 | 3 |
| Wisconsin | — | 11 | 145 | 32 | 92 | — | 0 | 3 | 5 | 4 |
| W.N. Central | 6 | 12 | 99 | 43 | 58 | 12 | 0 | 31 | 18 | 16 |
| Iowa | — | 0 | 8 | 2 | 12 | — | 0 | 1 | 1 | 2 |
| Kansas | — | 0 | 3 | — | 2 | — | 0 | 1 | — | 1 |
| Minnesota | 6 | 7 | 96 | 39 | 43 | 12 | 0 | 30 | 14 | 5 |
| Missouri | — | 0 | 2 | 1 | 1 | — | 0 | 2 | 1 | 8 |
| Nebraska† | — | 0 | 2 | 1 | — | — | 0 | 2 | — | — |
| North Dakota | — | 0 | 0 | — | — | — | 0 | 1 | 1 | — |
| South Dakota | — | 0 | 1 | — | — | — | 0 | 1 | 1 | — |
| S. Atlantic | 4 | 33 | 125 | 231 | 403 | 5 | 6 | 16 | 98 | 83 |
| Delaware | 4 | 9 | 37 | 97 | 156 | — | 0 | 1 | 2 | 1 |
| District of Columbia | — | 0 | 2 | 7 | 2 | — | 0 | 2 | — | 2 |
| Florida | — | 1 | 5 | 12 | 10 | 2 | 1 | 6 | 18 | 16 |
| Georgia | — | 0 | 1 | — | 1 | 3 | 1 | 6 | 28 | 14 |
| Maryland† | — | 16 | 87 | 99 | 184 | — | 1 | 9 | 21 | 27 |
| North Carolina | — | 0 | 5 | 8 | 15 | — | 0 | 8 | 10 | 11 |
| South Carolina† | — | 0 | 3 | 2 | 7 | — | 0 | 2 | 3 | 3 |
| Virginia† | — | 3 | 22 | 6 | 28 | — | 0 | 9 | 15 | 8 |
| West Virginia | — | 0 | 44 | — | — | — | 0 | 2 | 1 | 1 |
| E.S. Central | — | 0 | 4 | — | 8 | — | 1 | 2 | 7 | 8 |
| Alabama† | — | 0 | 1 | — | — | — | 0 | 1 | 3 | 3 |
| Kentucky | — | 0 | 1 | — | 1 | — | 0 | 2 | 1 | 2 |
| Mississippi | — | 0 | 0 | — | — | — | 0 | 1 | 1 | — |
| Tennessee† | — | 0 | 4 | — | 7 | — | 0 | 2 | 2 | 3 |
| W.S. Central | — | 1 | 7 | 1 | 22 | 3 | 1 | 30 | 18 | 32 |
| Arkansas | — | 0 | 2 | — | 2 | — | 0 | 2 | — | 2 |
| Louisiana | — | 0 | 1 | — | 3 | — | 0 | 1 | — | 1 |
| Oklahoma | — | 0 | 0 | — | — | — | 0 | 6 | 2 | 2 |
| Texas† | — | 0 | 7 | 1 | 17 | 3 | 1 | 29 | 16 | 27 |
| Mountain | — | 0 | 4 | 2 | 2 | 1 | 1 | 9 | 15 | 16 |
| Arizona | — | 0 | 4 | 2 | — | 1 | 0 | 9 | 3 | 2 |
| Colorado | — | 0 | 1 | — | — | — | 0 | 3 | 4 | 8 |
| Idaho† | — | 0 | 1 | — | — | — | 0 | 0 | — | — |
| Montana | — | 0 | 0 | — | — | — | 0 | 1 | 1 | — |
| Nevada† | — | 0 | 2 | — | — | — | 0 | 2 | — | — |
| New Mexico† | — | 0 | 1 | — | — | — | 0 | 1 | — | 1 |
| Utah | — | 0 | 1 | — | 1 | — | 0 | 2 | 7 | 4 |
| Wyoming | — | 0 | 1 | — | 1 | — | 0 | 1 | — | 1 |
| Pacific | 3 | 3 | 18 | 61 | 22 | 3 | 4 | 12 | 60 | 72 |
| Alaska | — | 0 | 1 | — | 1 | — | 0 | 1 | 4 | 2 |
| California | 3 | 2 | 18 | 61 | 19 | 2 | 2 | 10 | 44 | 61 |
| Hawaii | N | 0 | 0 | N | N | — | 0 | 4 | — | 4 |
| Oregon† | — | 0 | 3 | — | 2 | — | 0 | 2 | 4 | 2 |
| Washington | — | 0 | 3 | — | — | 1 | 0 | 5 | 8 | 3 |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| C.N.M.I. | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | N | 0 | 0 | N | N | — | 0 | 1 | — | — |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

C.N.M.I.: Commonwealth of Northern Mariana Islands.

U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

* Incidence data for reporting years 2005 and 2006 are provisional.

† Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 6, 2006, and May 7, 2005 (18th Week)*

| Reporting area | Meningococcal disease, invasive | | | | | | | | | | Pertussis | | | | |
|----------------------|---------------------------------|-------------------|-----|----------|----------|-------------------|-------------------|-----|----------|----------|--------------|-------------------|-------|----------|----------|
| | All serogroups | | | | | Serogroup unknown | | | | | | | | | |
| | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 15 | 21 | 84 | 469 | 554 | 13 | 13 | 58 | 320 | 323 | 124 | 437 | 2,672 | 3,600 | 6,594 |
| New England | — | 1 | 6 | 19 | 36 | — | 0 | 3 | 19 | 12 | 10 | 27 | 53 | 396 | 460 |
| Connecticut | — | 0 | 2 | 4 | 9 | — | 0 | 2 | 4 | 1 | — | 1 | 5 | 10 | 28 |
| Maine | — | 0 | 1 | 2 | 1 | — | 0 | 1 | 2 | 1 | — | 1 | 5 | 16 | 15 |
| Massachusetts | — | 0 | 3 | 11 | 16 | — | 0 | 3 | 11 | 4 | 3 | 23 | 44 | 323 | 322 |
| New Hampshire | — | 0 | 2 | 2 | 3 | — | 0 | 2 | 2 | 3 | 6 | 0 | 3 | 16 | — |
| Rhode Island | — | 0 | 1 | — | 2 | — | 0 | 0 | — | — | — | 0 | 17 | — | 5 |
| Vermont† | — | 0 | 2 | — | 5 | — | 0 | 2 | — | 3 | 1 | 1 | 14 | 31 | 90 |
| Mid. Atlantic | 2 | 2 | 13 | 59 | 70 | 2 | 2 | 11 | 45 | 52 | 33 | 24 | 136 | 545 | 529 |
| New Jersey | — | 0 | 2 | 2 | 18 | — | 0 | 2 | 2 | 18 | — | 4 | 10 | 67 | 72 |
| New York (Upstate) | 1 | 0 | 7 | 13 | 18 | 1 | 0 | 5 | 2 | 5 | 21 | 11 | 122 | 202 | 179 |
| New York City | — | 0 | 5 | 16 | 11 | — | 0 | 5 | 16 | 11 | — | 2 | 6 | 21 | 34 |
| Pennsylvania | 1 | 1 | 5 | 28 | 23 | 1 | 1 | 5 | 25 | 18 | 12 | 10 | 25 | 255 | 244 |
| E.N. Central | 1 | 2 | 9 | 46 | 58 | 1 | 1 | 6 | 33 | 47 | 18 | 55 | 124 | 480 | 1,536 |
| Illinois | — | 0 | 4 | 9 | 11 | — | 0 | 4 | 9 | 11 | — | 12 | 31 | 12 | 324 |
| Indiana | — | 0 | 5 | 8 | 7 | — | 0 | 2 | 2 | 3 | 3 | 4 | 75 | 56 | 116 |
| Michigan | — | 1 | 3 | 10 | 14 | — | 0 | 3 | 6 | 9 | 3 | 5 | 23 | 127 | 102 |
| Ohio | 1 | 1 | 5 | 19 | 18 | 1 | 0 | 4 | 16 | 16 | 12 | 17 | 30 | 243 | 606 |
| Wisconsin | — | 0 | 1 | — | 8 | — | 0 | 1 | — | 8 | — | 15 | 41 | 42 | 388 |
| W.N. Central | 2 | 1 | 4 | 26 | 30 | 2 | 0 | 3 | 14 | 13 | 11 | 64 | 516 | 500 | 902 |
| Iowa | — | 0 | 2 | 6 | 11 | — | 0 | 2 | 3 | 3 | — | 11 | 55 | 96 | 284 |
| Kansas | — | 0 | 1 | 1 | 4 | — | 0 | 1 | 1 | 4 | 5 | 11 | 29 | 147 | 102 |
| Minnesota | 1 | 0 | 2 | 4 | 5 | 1 | 0 | 1 | 3 | 1 | 1 | 0 | 485 | 71 | 137 |
| Missouri | 1 | 0 | 3 | 9 | 7 | 1 | 0 | 2 | 3 | 3 | 5 | 10 | 43 | 138 | 147 |
| Nebraska† | — | 0 | 1 | 5 | 2 | — | 0 | 1 | 3 | 2 | — | 4 | 14 | 39 | 84 |
| North Dakota | — | 0 | 1 | — | — | — | 0 | 1 | 1 | — | — | 0 | 28 | 4 | 67 |
| South Dakota | — | 0 | 1 | — | 1 | — | 0 | 0 | — | — | — | 1 | 8 | 5 | 81 |
| S. Atlantic | 2 | 4 | 14 | 84 | 93 | 1 | 2 | 7 | 37 | 39 | 19 | 23 | 92 | 337 | 453 |
| Delaware | — | 0 | 1 | 2 | 2 | — | 0 | 1 | 2 | 2 | — | 0 | 1 | 2 | 13 |
| District of Columbia | — | 0 | 1 | — | 4 | — | 0 | 1 | — | 3 | — | 0 | 3 | 3 | 3 |
| Florida | 1 | 1 | 6 | 35 | 35 | — | 0 | 5 | 14 | 12 | 2 | 4 | 14 | 78 | 57 |
| Georgia | 1 | 0 | 2 | 9 | 8 | 1 | 0 | 2 | 9 | 8 | — | 1 | 3 | 6 | 13 |
| Maryland† | — | 0 | 2 | 6 | 8 | — | 0 | 2 | 3 | — | — | 4 | 8 | 59 | 86 |
| North Carolina | — | 0 | 11 | 14 | 11 | — | 0 | 3 | 3 | 2 | — | 0 | 21 | 70 | 21 |
| South Carolina† | — | 0 | 2 | 7 | 10 | — | 0 | 1 | 2 | 7 | — | 5 | 22 | 45 | 169 |
| Virginia† | — | 0 | 4 | 10 | 11 | — | 0 | 3 | 4 | 4 | 17 | 1 | 73 | 70 | 67 |
| West Virginia | — | 0 | 1 | 1 | 4 | — | 0 | 1 | — | 1 | — | 0 | 5 | 4 | 24 |
| E.S. Central | 1 | 1 | 4 | 15 | 27 | 1 | 1 | 4 | 11 | 18 | — | 7 | 25 | 76 | 180 |
| Alabama† | 1 | 0 | 1 | 4 | 2 | 1 | 0 | 1 | 4 | 1 | — | 1 | 9 | 23 | 34 |
| Kentucky | — | 0 | 2 | 4 | 9 | — | 0 | 2 | 4 | 9 | — | 1 | 10 | 6 | 57 |
| Mississippi | — | 0 | 1 | 1 | 4 | — | 0 | 1 | 1 | 4 | — | 1 | 4 | 9 | 25 |
| Tennessee† | — | 0 | 2 | 6 | 12 | — | 0 | 2 | 2 | 4 | — | 3 | 17 | 38 | 64 |
| W.S. Central | 1 | 2 | 22 | 45 | 55 | — | 1 | 9 | 19 | 15 | 10 | 46 | 237 | 246 | 396 |
| Arkansas | — | 0 | 3 | 5 | 8 | — | 0 | 2 | 4 | 1 | 2 | 4 | 21 | 26 | 88 |
| Louisiana | — | 0 | 4 | 23 | 20 | — | 0 | 3 | 12 | 5 | — | 0 | 3 | 5 | 14 |
| Oklahoma | 1 | 0 | 3 | 6 | 6 | — | 0 | 3 | — | 1 | — | 0 | 1 | 2 | — |
| Texas† | — | 1 | 16 | 11 | 21 | — | 0 | 4 | 3 | 8 | 8 | 39 | 216 | 213 | 294 |
| Mountain | — | 2 | 7 | 34 | 41 | — | 0 | 4 | 22 | 10 | 12 | 65 | 232 | 731 | 1,405 |
| Arizona | — | 0 | 4 | 16 | 18 | — | 0 | 4 | 16 | 6 | — | 15 | 178 | 193 | 192 |
| Colorado | — | 0 | 2 | 11 | 11 | — | 0 | 1 | 2 | — | 10 | 24 | 40 | 428 | 573 |
| Idaho† | — | 0 | 2 | 1 | 2 | — | 0 | 2 | 1 | 2 | — | 2 | 13 | 20 | 86 |
| Montana | — | 0 | 1 | 1 | — | — | 0 | 0 | — | — | 1 | 5 | 29 | 43 | 291 |
| Nevada† | — | 0 | 2 | — | 3 | — | 0 | 1 | — | — | 1 | 0 | 6 | 12 | 19 |
| New Mexico† | — | 0 | 1 | — | 3 | — | 0 | 1 | — | 2 | — | 2 | 6 | 9 | 95 |
| Utah | — | 0 | 2 | 3 | 4 | — | 0 | 1 | 1 | — | — | 9 | 32 | — | 139 |
| Wyoming | — | 0 | 2 | 2 | — | — | 0 | 2 | 2 | — | — | 1 | 5 | 26 | 10 |
| Pacific | 6 | 5 | 31 | 141 | 144 | 6 | 4 | 25 | 120 | 117 | 11 | 75 | 1,334 | 289 | 733 |
| Alaska | — | 0 | 1 | 1 | 1 | — | 0 | 1 | 1 | 1 | — | 2 | 15 | 27 | 14 |
| California | 4 | 2 | 14 | 79 | 71 | 4 | 2 | 14 | 79 | 71 | — | 41 | 1,136 | 46 | 239 |
| Hawaii | — | 0 | 1 | 3 | 7 | — | 0 | 1 | 3 | 2 | — | 3 | 10 | 31 | 56 |
| Oregon† | 2 | 2 | 8 | 39 | 46 | 2 | 1 | 6 | 29 | 25 | — | 4 | 33 | 48 | 291 |
| Washington | — | 0 | 25 | 19 | 19 | — | 0 | 11 | 8 | 18 | 11 | 11 | 195 | 137 | 133 |
| American Samoa | U | 0 | 0 | — | — | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| C.N.M.I. | U | 0 | 0 | — | — | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | — | 0 | 1 | 2 | 5 | — | 0 | 1 | 2 | 5 | — | 0 | 1 | — | 4 |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

C.N.M.I.: Commonwealth of Northern Mariana Islands.

U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

* Incidence data for reporting years 2005 and 2006 are provisional.

† Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 6, 2006, and May 7, 2005 (18th Week)*

| Reporting area | Rabies, animal | | | | | Rocky Mountain spotted fever | | | | | Salmonellosis | | | | |
|----------------------|----------------|-------------------|-----|----------|----------|------------------------------|-------------------|-----|----------|----------|---------------|-------------------|-------|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 54 | 100 | 188 | 1,459 | 2,139 | 4 | 36 | 98 | 318 | 197 | 326 | 870 | 2,209 | 8,378 | 8,915 |
| New England | 6 | 13 | 26 | 185 | 288 | — | 0 | 2 | — | 1 | 5 | 38 | 111 | 445 | 549 |
| Connecticut | — | 3 | 13 | 38 | 51 | — | 0 | 0 | — | — | — | 8 | 104 | 104 | 113 |
| Maine | 1 | 1 | 4 | 23 | 20 | N | 0 | 0 | N | N | — | 2 | 8 | 15 | 43 |
| Massachusetts | 5 | 4 | 17 | 101 | 166 | — | 0 | 1 | — | — | 5 | 20 | 41 | 271 | 290 |
| New Hampshire | — | 0 | 2 | 5 | 2 | — | 0 | 1 | — | — | — | 2 | 12 | 27 | 31 |
| Rhode Island | — | 0 | 4 | 1 | 5 | — | 0 | 2 | — | 1 | — | 0 | 17 | 20 | 15 |
| Vermont† | — | 1 | 14 | 17 | 44 | — | 0 | 0 | — | — | — | 1 | 11 | 8 | 57 |
| Mid. Atlantic | 10 | 18 | 40 | 274 | 281 | — | 1 | 8 | 5 | 12 | 39 | 91 | 274 | 882 | 1,091 |
| New Jersey | N | 0 | 0 | N | N | — | 0 | 3 | — | 3 | — | 14 | 41 | 79 | 212 |
| New York (Upstate) | 10 | 11 | 24 | 140 | 128 | — | 0 | 2 | — | — | 21 | 22 | 234 | 233 | 254 |
| New York City | — | 0 | 3 | — | 10 | — | 0 | 2 | 2 | — | 5 | 21 | 44 | 229 | 305 |
| Pennsylvania | — | 7 | 22 | 134 | 143 | — | 1 | 6 | 3 | 9 | 13 | 31 | 60 | 341 | 320 |
| E.N. Central | 2 | 2 | 69 | 10 | 21 | — | 0 | 6 | 4 | 4 | 17 | 95 | 206 | 1,058 | 1,201 |
| Illinois | — | 0 | 4 | — | 9 | — | 0 | 3 | 1 | 1 | — | 27 | 126 | 170 | 398 |
| Indiana | 2 | 0 | 3 | 2 | 2 | — | 0 | 1 | 1 | — | 4 | 11 | 69 | 146 | 102 |
| Michigan | — | 0 | 4 | 6 | 6 | — | 0 | 1 | — | 1 | 3 | 18 | 35 | 202 | 227 |
| Ohio | — | 0 | 66 | 2 | 4 | — | 0 | 3 | 2 | 2 | 10 | 24 | 52 | 339 | 249 |
| Wisconsin | N | 0 | 2 | N | N | — | 0 | 1 | — | — | — | 15 | 45 | 201 | 225 |
| W.N. Central | 2 | 5 | 16 | 72 | 109 | 2 | 2 | 17 | 12 | 13 | 23 | 44 | 90 | 591 | 587 |
| Iowa | — | 0 | 4 | 14 | — | — | 0 | 2 | — | 1 | 1 | 7 | 18 | 90 | 109 |
| Kansas | — | 1 | 5 | 24 | 34 | 1 | 0 | 2 | 1 | 2 | 4 | 7 | 17 | 87 | 67 |
| Minnesota | 1 | 1 | 5 | 8 | 23 | — | 0 | 1 | 1 | — | 5 | 10 | 30 | 147 | 147 |
| Missouri | 1 | 1 | 7 | 7 | 12 | 1 | 2 | 15 | 10 | 9 | 13 | 15 | 40 | 193 | 160 |
| Nebraska† | — | 0 | 0 | — | — | — | 0 | 2 | — | — | — | 3 | 10 | 40 | 51 |
| North Dakota | — | 0 | 4 | 2 | 8 | — | 0 | 0 | — | — | — | 0 | 5 | 4 | 13 |
| South Dakota | — | 1 | 5 | 17 | 32 | — | 0 | 2 | — | 1 | — | 3 | 11 | 30 | 40 |
| S. Atlantic | 14 | 35 | 57 | 514 | 841 | — | 18 | 94 | 278 | 130 | 104 | 264 | 522 | 2,212 | 2,246 |
| Delaware | — | 0 | 0 | — | — | — | 0 | 2 | 2 | 1 | — | 2 | 9 | 22 | 18 |
| District of Columbia | — | 0 | 0 | — | — | — | 0 | 1 | — | — | — | 1 | 7 | 19 | 13 |
| Florida | — | 0 | 27 | 58 | 201 | — | 0 | 3 | 9 | 8 | 67 | 99 | 230 | 1,018 | 884 |
| Georgia | — | 4 | 27 | 43 | 104 | — | 1 | 11 | 16 | 14 | 13 | 37 | 88 | 329 | 325 |
| Maryland† | — | 6 | 16 | 59 | 97 | — | 2 | 7 | 13 | 10 | — | 14 | 39 | 123 | 176 |
| North Carolina | 9 | 8 | 20 | 110 | 163 | — | 5 | 87 | 228 | 85 | 21 | 30 | 114 | 394 | 357 |
| South Carolina† | — | 3 | 11 | 39 | 63 | — | 1 | 6 | 5 | 7 | — | 21 | 146 | 98 | 203 |
| Virginia† | — | 10 | 26 | 175 | 200 | — | 2 | 10 | 5 | 4 | 3 | 21 | 78 | 185 | 237 |
| West Virginia | 5 | 1 | 13 | 30 | 13 | — | 0 | 2 | — | 1 | — | 3 | 19 | 24 | 33 |
| E.S. Central | 6 | 3 | 9 | 77 | 66 | 1 | 5 | 24 | 11 | 14 | 4 | 56 | 135 | 412 | 507 |
| Alabama† | 6 | 1 | 5 | 25 | 19 | 1 | 0 | 9 | 6 | 3 | 1 | 14 | 39 | 148 | 123 |
| Kentucky | — | 0 | 3 | 4 | 4 | — | 0 | 1 | — | — | 3 | 8 | 26 | 91 | 83 |
| Mississippi | — | 0 | 1 | — | — | — | 0 | 3 | — | 1 | — | 13 | 66 | 49 | 91 |
| Tennessee† | — | 1 | 7 | 48 | 43 | — | 3 | 18 | 5 | 10 | — | 14 | 41 | 124 | 210 |
| W.S. Central | 11 | 13 | 30 | 241 | 400 | 1 | 2 | 34 | 6 | 7 | 42 | 85 | 884 | 906 | 726 |
| Arkansas | 2 | 0 | 3 | 11 | 11 | — | 0 | 32 | 4 | 2 | 8 | 16 | 67 | 245 | 100 |
| Louisiana | — | 0 | 0 | — | — | — | 0 | 2 | — | 2 | — | 14 | 42 | 91 | 188 |
| Oklahoma | 9 | 1 | 7 | 20 | 38 | 1 | 0 | 23 | 1 | 3 | 7 | 6 | 26 | 68 | 80 |
| Texas† | — | 12 | 27 | 210 | 351 | — | 0 | 8 | 1 | — | 27 | 45 | 844 | 502 | 358 |
| Mountain | — | 4 | 16 | 36 | 80 | — | 0 | 6 | 2 | 16 | 17 | 48 | 110 | 585 | 579 |
| Arizona | — | 2 | 11 | 33 | 69 | — | 0 | 6 | 1 | 12 | — | 14 | 67 | 172 | 174 |
| Colorado | — | 0 | 3 | — | 1 | — | 0 | 1 | — | — | 13 | 11 | 45 | 183 | 143 |
| Idaho† | — | 0 | 12 | — | — | — | 0 | 2 | — | — | 1 | 2 | 15 | 36 | 45 |
| Montana | — | 0 | 3 | 3 | — | — | 0 | 0 | — | 1 | 1 | 2 | 16 | 34 | 28 |
| Nevada† | — | 0 | 2 | — | — | — | 0 | 0 | — | — | — | 3 | 8 | 23 | 57 |
| New Mexico† | — | 0 | 1 | — | 1 | — | 0 | 1 | — | 2 | — | 4 | 13 | 40 | 61 |
| Utah | — | 0 | 5 | — | — | — | 0 | 0 | — | — | 2 | 5 | 30 | 77 | 60 |
| Wyoming | — | 0 | 2 | — | 9 | — | 0 | 1 | 1 | 1 | — | 1 | 12 | 20 | 11 |
| Pacific | 3 | 4 | 15 | 50 | 53 | — | 0 | 1 | — | — | 75 | 102 | 425 | 1,287 | 1,429 |
| Alaska | — | 0 | 4 | 9 | 1 | — | 0 | 0 | — | — | 2 | 1 | 7 | 31 | 17 |
| California | 3 | 3 | 15 | 41 | 52 | — | 0 | 0 | — | — | 59 | 73 | 292 | 956 | 1,117 |
| Hawaii | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 5 | 15 | 73 | 96 |
| Oregon† | — | 0 | 1 | — | — | — | 0 | 1 | — | — | — | 8 | 25 | 109 | 111 |
| Washington | U | 0 | 0 | U | U | N | 0 | 0 | N | N | 14 | 9 | 124 | 118 | 88 |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 2 | U | 1 |
| C.N.M.I. | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | 1 |
| Puerto Rico | 1 | 2 | 4 | 34 | 30 | N | 0 | 0 | N | N | 4 | 6 | 23 | 23 | 134 |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

C.N.M.I.: Commonwealth of Northern Mariana Islands.

U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

* Incidence data for reporting years 2005 and 2006 are provisional.

† Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 6, 2006, and May 7, 2005 (18th Week)*

| Reporting area | Shiga toxin-producing <i>E. coli</i> (STEC) [†] | | | | | Shigellosis | | | | | Streptococcal disease, invasive, group A | | | | |
|-----------------------------|--|-------------------|-----|----------|----------|--------------|-------------------|-----|----------|----------|--|-------------------|-----|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 13 | 53 | 273 | 319 | 483 | 88 | 301 | 659 | 2,644 | 3,639 | 57 | 88 | 271 | 1,978 | 1,933 |
| New England | 1 | 3 | 14 | 32 | 49 | 4 | 5 | 21 | 85 | 69 | 2 | 5 | 13 | 76 | 129 |
| Connecticut | — | 1 | 13 | 13 | 14 | — | 0 | 15 | 15 | 15 | U | 1 | 4 | U | U |
| Maine | — | 0 | 5 | — | 8 | — | 0 | 3 | — | 5 | — | 0 | 2 | 7 | 3 |
| Massachusetts | — | 2 | 7 | 16 | 17 | 4 | 4 | 11 | 62 | 37 | 2 | 2 | 7 | 49 | 48 |
| New Hampshire | 1 | 0 | 2 | 3 | 3 | — | 0 | 4 | 4 | 4 | — | 0 | 3 | 14 | 5 |
| Rhode Island | — | 0 | 2 | — | 1 | — | 0 | 6 | 3 | 2 | — | 0 | 3 | 3 | 6 |
| Vermont [§] | — | 0 | 4 | 2 | 6 | — | 0 | 4 | 1 | 6 | — | 0 | 4 | 3 | 14 |
| Mid. Atlantic | — | 5 | 101 | 4 | 46 | 2 | 18 | 70 | 197 | 388 | 10 | 14 | 44 | 336 | 434 |
| New Jersey | — | 1 | 7 | — | 13 | — | 5 | 18 | 50 | 101 | — | 2 | 8 | 10 | 92 |
| New York (Upstate) | 5 | 2 | 98 | 24 | 17 | 2 | 4 | 58 | 76 | 96 | 7 | 4 | 33 | 144 | 142 |
| New York City | — | 0 | 2 | 4 | — | — | 5 | 14 | 41 | 168 | — | 3 | 8 | 41 | 79 |
| Pennsylvania | — | 2 | 8 | — | 16 | — | 2 | 48 | 30 | 23 | 3 | 6 | 13 | 141 | 121 |
| E.N. Central | 2 | 9 | 33 | 76 | 79 | 2 | 18 | 79 | 246 | 301 | 11 | 13 | 37 | 370 | 407 |
| Illinois | — | 1 | 8 | — | 27 | — | 6 | 26 | 56 | 76 | — | 3 | 9 | 56 | 109 |
| Indiana | — | 1 | 7 | 9 | — | — | 1 | 56 | 42 | 33 | — | 2 | 11 | 51 | 46 |
| Michigan | — | 0 | 4 | 19 | — | 1 | 3 | 10 | 65 | 105 | — | 4 | 11 | 107 | 112 |
| Ohio | 2 | 2 | 14 | 26 | 26 | 1 | 3 | 11 | 54 | 20 | 11 | 4 | 19 | 130 | 89 |
| Wisconsin | — | 3 | 15 | 22 | 17 | — | 3 | 10 | 29 | 67 | — | 1 | 4 | 26 | 51 |
| W.N. Central | 4 | 7 | 35 | 55 | 65 | 11 | 39 | 65 | 247 | 227 | 12 | 5 | 57 | 164 | 122 |
| Iowa | — | 1 | 10 | 10 | 11 | — | 1 | 7 | 10 | 39 | N | 0 | 0 | N | N |
| Kansas | — | 0 | 4 | — | 12 | 1 | 4 | 20 | 28 | 12 | — | 1 | 5 | 33 | 21 |
| Minnesota | 4 | 3 | 19 | 42 | 10 | 1 | 2 | 6 | 24 | 21 | 11 | 0 | 52 | 78 | 41 |
| Missouri | 2 | 1 | 7 | 21 | 16 | 9 | 22 | 45 | 138 | 125 | 1 | 1 | 5 | 30 | 37 |
| Nebraska [§] | — | 1 | 4 | 5 | 13 | — | 2 | 10 | 24 | 20 | — | 0 | 4 | 13 | 9 |
| North Dakota | — | 0 | 2 | — | 1 | — | 0 | 2 | 4 | 2 | — | 0 | 3 | 5 | 4 |
| South Dakota | — | 0 | 5 | 3 | 2 | — | 2 | 17 | 19 | 8 | — | 0 | 3 | 5 | 10 |
| S. Atlantic | 3 | 7 | 39 | 56 | 95 | 37 | 51 | 122 | 755 | 539 | 15 | 20 | 41 | 458 | 358 |
| Delaware | 0 | 0 | 2 | 1 | — | — | 0 | 2 | — | 5 | 1 | 0 | 2 | 4 | — |
| District of Columbia | — | 0 | 1 | — | — | — | 0 | 2 | 3 | 4 | 1 | 0 | 2 | 5 | 4 |
| Florida | 3 | 1 | 29 | 23 | 51 | 26 | 23 | 66 | 326 | 241 | 8 | 5 | 12 | 109 | 90 |
| Georgia | — | 0 | 6 | — | 9 | 11 | 13 | 34 | 270 | 143 | 3 | 4 | 11 | 108 | 71 |
| Maryland [§] | — | 1 | 5 | 2 | 9 | — | 2 | 8 | 34 | 22 | — | 3 | 12 | 84 | 70 |
| North Carolina | 5 | 1 | 11 | 26 | 12 | — | 2 | 22 | 65 | 57 | — | 1 | 21 | 61 | 58 |
| South Carolina [§] | — | 0 | 2 | 3 | 1 | — | 2 | 9 | 41 | 36 | — | 0 | 6 | 27 | 22 |
| Virginia [§] | — | 1 | 9 | — | 13 | — | 2 | 9 | 16 | 31 | 2 | 2 | 11 | 52 | 34 |
| West Virginia | — | 0 | 2 | — | — | — | 0 | 1 | — | — | — | 0 | 4 | 8 | 9 |
| E.S. Central | — | 2 | 12 | 15 | 22 | 5 | 17 | 50 | 190 | 485 | 1 | 3 | 10 | 88 | 79 |
| Alabama [§] | — | 0 | 3 | 1 | 6 | — | 3 | 20 | 38 | 90 | N | 0 | 0 | N | N |
| Kentucky | — | 1 | 9 | 11 | 4 | 5 | 7 | 31 | 103 | 36 | 1 | 0 | 5 | 22 | 21 |
| Mississippi | — | 0 | 2 | — | — | — | 1 | 7 | 22 | 37 | — | 0 | 0 | — | — |
| Tennessee [§] | — | 1 | 4 | 21 | 12 | — | 3 | 46 | 27 | 322 | — | 3 | 9 | 66 | 58 |
| W.S. Central | 1 | 2 | 43 | 4 | 18 | 1 | 66 | 250 | 249 | 845 | 2 | 7 | 50 | 171 | 99 |
| Arkansas | — | 0 | 2 | 1 | 3 | 1 | 1 | 8 | 31 | 18 | 1 | 0 | 5 | 15 | 7 |
| Louisiana | — | 0 | 2 | — | 7 | — | 2 | 11 | 37 | 46 | — | 0 | 2 | 5 | 5 |
| Oklahoma | 1 | 0 | 3 | 3 | 2 | — | 7 | 41 | 29 | 226 | 1 | 2 | 8 | 54 | 55 |
| Texas [§] | — | 1 | 43 | 18 | 6 | — | 52 | 243 | 152 | 555 | — | 5 | 43 | 97 | 32 |
| Mountain | — | 5 | 16 | 34 | 61 | 7 | 17 | 47 | 197 | 198 | 2 | 10 | 77 | 282 | 266 |
| Arizona | — | 0 | 4 | 13 | 7 | — | 9 | 29 | 102 | 89 | — | 4 | 57 | 153 | 114 |
| Colorado | — | 1 | 6 | 15 | 14 | 5 | 3 | 18 | 38 | 33 | 1 | 3 | 8 | 66 | 97 |
| Idaho [§] | 1 | 1 | 8 | 9 | 9 | — | 0 | 4 | 5 | 3 | — | 0 | 2 | 5 | 1 |
| Montana | — | 0 | 2 | — | 2 | — | 0 | 1 | 1 | 2 | — | 0 | 0 | — | — |
| Nevada [§] | — | 0 | 3 | 2 | 10 | — | 1 | 6 | 12 | 25 | — | 0 | 6 | — | — |
| New Mexico [§] | — | 0 | 3 | 2 | 5 | — | 2 | 9 | 24 | 32 | — | 1 | 6 | 24 | 28 |
| Utah | — | 0 | 7 | 5 | 13 | 2 | 1 | 4 | 14 | 14 | 1 | 1 | 6 | 32 | 25 |
| Wyoming | — | 0 | 3 | 1 | 1 | — | 0 | 1 | 1 | — | — | 0 | 1 | 2 | 1 |
| Pacific | 2 | 7 | 59 | 43 | 48 | 19 | 39 | 149 | 478 | 587 | 2 | 2 | 8 | 33 | 39 |
| Alaska | — | 0 | 2 | — | 3 | — | 0 | 2 | 6 | 8 | — | 0 | 0 | — | — |
| California | 1 | 3 | 18 | 30 | 27 | 16 | 33 | 104 | 349 | 523 | — | 0 | 0 | — | — |
| Hawaii | — | 0 | 4 | 4 | 3 | — | 1 | 4 | 12 | 10 | 2 | 2 | 8 | 33 | 39 |
| Oregon [§] | — | 1 | 47 | 14 | 6 | — | 1 | 31 | 59 | 25 | N | 0 | 0 | N | N |
| Washington | 1 | 1 | 41 | 9 | 9 | 3 | 2 | 43 | 52 | 21 | N | 0 | 0 | N | N |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 2 | U | 3 | U | 0 | 0 | U | U |
| C.N.M.I. | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | 1 | — | 0 | 0 | — | — |
| Puerto Rico | — | 0 | 1 | — | 1 | — | 0 | 1 | 1 | — | N | 0 | 0 | N | N |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

C.N.M.I.: Commonwealth of Northern Mariana Islands.

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

Cum: Cumulative year-to-date counts.

Med: Median.

Max: Maximum.

* Incidence data for reporting years 2005 and 2006 are provisional.

† Includes *E. coli* O157:H7; Shiga toxin positive, serogroup non-O157; and Shiga toxin positive, not serogrouped.

§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 6, 2006, and May 7, 2005 (18th Week)*

| Reporting area | <i>Streptococcus pneumoniae</i> , invasive disease Drug resistant, all ages | | | | | Syphilis, primary and secondary | | | | | Varicella (chickenpox) | | | | |
|----------------------|--|-------------------|-----|----------|----------|---------------------------------|-------------------|-----|----------|----------|------------------------|-------------------|-------|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 42 | 51 | 332 | 1,144 | 1,204 | 69 | 169 | 331 | 2,542 | 2,759 | 897 | 702 | 3,127 | 18,557 | 10,553 |
| New England | — | 2 | 24 | 10 | 112 | 1 | 4 | 17 | 63 | 64 | 34 | 47 | 163 | 525 | 1,806 |
| Connecticut | U | 1 | 7 | U | U | — | 0 | 11 | 15 | 3 | U | 15 | 67 | U | 649 |
| Maine | N | 0 | 0 | N | N | — | 0 | 2 | 3 | 1 | — | 5 | 20 | 85 | 133 |
| Massachusetts | — | 1 | 6 | — | 52 | 1 | 2 | 5 | 36 | 53 | — | 4 | 85 | 2 | 998 |
| New Hampshire | — | 0 | 0 | — | — | — | 0 | 2 | 4 | 3 | 4 | 5 | 38 | 143 | — |
| Rhode Island | — | 0 | 11 | 1 | 6 | — | 0 | 6 | 3 | 4 | — | 0 | 0 | — | — |
| Vermont† | — | 0 | 4 | 9 | 9 | — | 0 | 1 | 2 | — | 30 | 8 | 25 | 295 | 26 |
| Mid. Atlantic | 2 | 2 | 15 | 61 | 123 | 10 | 20 | 36 | 350 | 350 | 77 | 111 | 183 | 2,186 | 2,069 |
| New Jersey | N | 0 | 0 | N | N | 6 | 2 | 7 | 66 | 44 | — | 0 | 0 | — | — |
| New York (Upstate) | — | 1 | 10 | 16 | 46 | 2 | 2 | 15 | 54 | 25 | — | 0 | 0 | — | — |
| New York City | U | 0 | 0 | U | U | — | 11 | 21 | 155 | 229 | — | 0 | 0 | — | — |
| Pennsylvania | 2 | 2 | 9 | 45 | 77 | 2 | 4 | 9 | 75 | 52 | 77 | 111 | 183 | 2,186 | 2,069 |
| E.N. Central | 12 | 12 | 40 | 286 | 275 | 8 | 17 | 38 | 280 | 287 | 390 | 155 | 559 | 7,409 | 2,622 |
| Illinois | — | 0 | 2 | 8 | 3 | — | 8 | 23 | 116 | 154 | — | 1 | 5 | 4 | 34 |
| Indiana | 8 | 3 | 21 | 69 | 81 | — | 1 | 5 | 24 | 23 | N | 0 | 347 | N | N |
| Michigan | — | 1 | 4 | 9 | 19 | 3 | 2 | 19 | 47 | 29 | 86 | 91 | 231 | 2,127 | 1,612 |
| Ohio | 4 | 6 | 32 | 200 | 172 | 5 | 4 | 11 | 78 | 72 | 304 | 42 | 423 | 4,920 | 742 |
| Wisconsin | N | 0 | 0 | N | N | — | 1 | 3 | 15 | 9 | — | 11 | 41 | 358 | 234 |
| W.N. Central | 1 | 1 | 191 | 21 | 25 | — | 4 | 9 | 60 | 87 | 18 | 20 | 84 | 767 | 79 |
| Iowa | N | 0 | 0 | N | N | — | 0 | 1 | 3 | 4 | N | 0 | 0 | N | N |
| Kansas | N | 0 | 0 | N | N | — | 0 | 2 | 9 | 7 | — | 0 | 0 | — | — |
| Minnesota | — | 0 | 191 | — | — | — | 1 | 4 | 11 | 23 | — | 0 | 0 | — | — |
| Missouri | 1 | 1 | 3 | 21 | 22 | — | 3 | 8 | 36 | 51 | 17 | 15 | 82 | 720 | 12 |
| Nebraska† | — | 0 | 1 | — | 1 | — | 0 | 1 | 1 | 2 | — | 0 | 1 | — | — |
| North Dakota | — | 0 | 1 | — | — | — | 0 | 1 | — | — | — | 0 | 25 | 18 | 10 |
| South Dakota | — | 0 | 1 | — | 2 | — | 0 | 1 | — | — | 1 | 1 | 12 | 29 | 57 |
| S. Atlantic | 24 | 23 | 51 | 594 | 477 | 23 | 43 | 182 | 621 | 613 | 32 | 55 | 859 | 1,839 | 866 |
| Delaware | — | 0 | 2 | — | 1 | 1 | 0 | 2 | 10 | 6 | 1 | 1 | 5 | 33 | 12 |
| District of Columbia | — | 0 | 3 | 19 | 13 | — | 2 | 9 | 35 | 36 | — | 0 | 5 | 14 | 15 |
| Florida | 14 | 13 | 36 | 328 | 244 | 13 | 15 | 29 | 249 | 252 | — | 0 | 0 | — | — |
| Georgia | 10 | 7 | 19 | 207 | 176 | — | 8 | 143 | 47 | 83 | — | 0 | 0 | — | — |
| Maryland† | — | 0 | 0 | — | — | — | 5 | 19 | 100 | 93 | — | 0 | 0 | — | — |
| North Carolina | N | 0 | 0 | N | N | 7 | 5 | 17 | 108 | 82 | — | 0 | 0 | — | — |
| South Carolina† | — | 0 | 0 | — | — | 2 | 1 | 7 | 25 | 24 | — | 15 | 48 | 447 | 229 |
| Virginia† | N | 0 | 0 | N | N | — | 3 | 12 | 47 | 35 | 23 | 17 | 813 | 639 | 101 |
| West Virginia | — | 2 | 10 | 40 | 43 | — | 0 | 1 | — | 2 | 8 | 24 | 70 | 706 | 509 |
| E.S. Central | 2 | 3 | 14 | 91 | 82 | 2 | 9 | 20 | 184 | 148 | — | 0 | 16 | 16 | — |
| Alabama† | N | 0 | 0 | N | N | — | 3 | 12 | 84 | 60 | — | 0 | 16 | 16 | — |
| Kentucky | 2 | 0 | 5 | 20 | 15 | 2 | 1 | 8 | 29 | 11 | N | 0 | 0 | N | N |
| Mississippi | — | 0 | 0 | — | — | — | 0 | 5 | 11 | 19 | — | 0 | 0 | — | — |
| Tennessee† | — | 3 | 13 | 71 | 67 | — | 4 | 11 | 60 | 58 | N | 0 | 0 | N | N |
| W.S. Central | — | 1 | 8 | 42 | 79 | 17 | 24 | 37 | 446 | 438 | 274 | 180 | 1,717 | 4,431 | 1,720 |
| Arkansas | — | 0 | 3 | 6 | 6 | 5 | 1 | 6 | 33 | 19 | 26 | 3 | 110 | 330 | — |
| Louisiana | — | 1 | 5 | 36 | 73 | — | 4 | 17 | 39 | 88 | — | 0 | 17 | 82 | 99 |
| Oklahoma | N | 0 | 0 | N | N | 4 | 1 | 6 | 27 | 12 | — | 0 | 0 | — | — |
| Texas† | N | 0 | 0 | N | N | 8 | 17 | 30 | 347 | 319 | 248 | 170 | 1,607 | 4,019 | 1,621 |
| Mountain | 1 | 1 | 27 | 39 | 31 | 5 | 8 | 17 | 118 | 149 | 72 | 49 | 135 | 1,384 | 1,391 |
| Arizona | N | 0 | 0 | N | N | 5 | 3 | 13 | 64 | 47 | — | 0 | 0 | — | — |
| Colorado | N | 0 | 0 | N | N | — | 1 | 3 | 10 | 18 | 34 | 35 | 76 | 749 | 956 |
| Idaho† | N | 0 | 0 | N | N | — | 0 | 3 | 2 | 13 | — | 0 | 0 | — | — |
| Montana | — | 0 | 1 | — | — | — | 0 | 1 | — | 5 | — | 0 | 0 | — | — |
| Nevada† | — | 0 | 27 | 1 | 2 | — | 2 | 6 | 22 | 41 | 1 | 0 | 2 | 4 | — |
| New Mexico† | — | 0 | 0 | — | — | — | 1 | 5 | 19 | 20 | — | 3 | 32 | 198 | 114 |
| Utah | — | 0 | 8 | 19 | 13 | — | 0 | 1 | 1 | 5 | 37 | 9 | 55 | 424 | 278 |
| Wyoming | 1 | 0 | 3 | 19 | 16 | — | 0 | 0 | — | — | — | 0 | 3 | 9 | 43 |
| Pacific | — | 0 | 0 | — | — | 3 | 32 | 45 | 420 | 623 | — | 0 | 0 | — | — |
| Alaska | — | 0 | 0 | — | — | — | 0 | 4 | 5 | 4 | — | 0 | 0 | — | — |
| California | N | 0 | 0 | N | N | 2 | 30 | 42 | 332 | 555 | — | 0 | 0 | — | — |
| Hawaii | — | 0 | 0 | — | — | — | 0 | 2 | 7 | 1 | N | 0 | 0 | N | N |
| Oregon† | N | 0 | 0 | N | N | — | 0 | 6 | 5 | 10 | N | 0 | 0 | N | N |
| Washington | N | 0 | 0 | N | N | 1 | 2 | 11 | 71 | 53 | N | 0 | 0 | N | N |
| American Samoa | — | 0 | 0 | — | — | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| C.N.M.I. | — | 0 | 0 | — | — | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | 26 |
| Puerto Rico | N | 0 | 0 | N | N | — | 4 | 16 | 53 | 45 | 1 | 6 | 27 | 96 | 305 |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

C.N.M.I.: Commonwealth of Northern Mariana Islands.

U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

* Incidence data for reporting years 2005 and 2006 are provisional.

† Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 6, 2006, and May 7, 2005 (18th Week)*

| Reporting area | West Nile virus disease [†] | | | | | | | | | |
|-----------------------------|--------------------------------------|-------------------|-----|----------|----------|-------------------|-------------------|-----|----------|----------|
| | Neuroinvasive | | | | | Non-neuroinvasive | | | | |
| | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks | | Cum 2006 | Cum 2005 |
| | | Med | Max | | | | Med | Max | | |
| United States | — | 1 | 154 | 1 | 1 | — | 2 | 203 | — | 4 |
| New England | — | 0 | 3 | — | — | — | 0 | 2 | — | — |
| Connecticut | — | 0 | 2 | — | — | — | 0 | 1 | — | — |
| Maine | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Massachusetts | — | 0 | 3 | — | — | — | 0 | 1 | — | — |
| New Hampshire | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Rhode Island | — | 0 | 1 | — | — | — | 0 | 0 | — | — |
| Vermont [§] | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Mid. Atlantic | — | 0 | 10 | — | — | — | 0 | 4 | — | — |
| New Jersey | — | 0 | 1 | — | — | — | 0 | 2 | — | — |
| New York (Upstate) | — | 0 | 7 | — | — | — | 0 | 2 | — | — |
| New York City | — | 0 | 2 | — | — | — | 0 | 2 | — | — |
| Pennsylvania | — | 0 | 3 | — | — | — | 0 | 2 | — | — |
| E.N. Central | — | 0 | 39 | — | — | — | 0 | 18 | — | — |
| Illinois | — | 0 | 25 | — | — | — | 0 | 16 | — | — |
| Indiana | — | 0 | 2 | — | — | — | 0 | 1 | — | — |
| Michigan | — | 0 | 14 | — | — | — | 0 | 3 | — | — |
| Ohio | — | 0 | 9 | — | — | — | 0 | 4 | — | — |
| Wisconsin | — | 0 | 3 | — | — | — | 0 | 2 | — | — |
| W.N. Central | — | 0 | 26 | — | — | — | 0 | 80 | — | — |
| Iowa | — | 0 | 3 | — | — | — | 0 | 5 | — | — |
| Kansas | — | 0 | 3 | — | — | N | 0 | 3 | N | N |
| Minnesota | — | 0 | 5 | — | — | — | 0 | 5 | — | — |
| Missouri | — | 0 | 4 | — | — | — | 0 | 3 | — | — |
| Nebraska [§] | — | 0 | 9 | — | — | — | 0 | 24 | — | — |
| North Dakota | — | 0 | 4 | — | — | — | 0 | 15 | — | — |
| South Dakota | — | 0 | 7 | — | — | — | 0 | 33 | — | — |
| S. Atlantic | — | 0 | 6 | — | — | — | 0 | 4 | — | — |
| Delaware | — | 0 | 1 | — | — | — | 0 | 0 | — | — |
| District of Columbia | — | 0 | 1 | — | — | — | 0 | 1 | — | — |
| Florida | — | 0 | 2 | — | — | — | 0 | 4 | — | — |
| Georgia | — | 0 | 3 | — | — | — | 0 | 3 | — | — |
| Maryland [§] | — | 0 | 2 | — | — | — | 0 | 1 | — | — |
| North Carolina | — | 0 | 1 | — | — | — | 0 | 1 | — | — |
| South Carolina [§] | — | 0 | 1 | — | — | — | 0 | 0 | — | — |
| Virginia [§] | — | 0 | 0 | — | — | — | 0 | 1 | — | — |
| West Virginia | — | 0 | 0 | — | — | N | 0 | 0 | N | N |
| E.S. Central | — | 0 | 10 | 1 | — | — | 0 | 5 | — | — |
| Alabama [§] | — | 0 | 1 | — | — | — | 0 | 2 | — | — |
| Kentucky | — | 0 | 1 | — | — | — | 0 | 0 | — | — |
| Mississippi | — | 0 | 9 | 1 | — | — | 0 | 5 | — | — |
| Tennessee [§] | — | 0 | 3 | — | — | — | 0 | 1 | — | — |
| W.S. Central | — | 0 | 32 | — | — | — | 0 | 22 | — | 2 |
| Arkansas | — | 0 | 3 | — | — | — | 0 | 2 | — | — |
| Louisiana | — | 0 | 20 | — | — | — | 0 | 9 | — | 2 |
| Oklahoma | — | 0 | 6 | — | — | — | 0 | 3 | — | — |
| Texas [§] | — | 0 | 16 | — | — | — | 0 | 13 | — | — |
| Mountain | — | 0 | 16 | — | 1 | — | 0 | 39 | — | — |
| Arizona | — | 0 | 8 | — | 1 | — | 0 | 8 | — | — |
| Colorado | — | 0 | 5 | — | — | — | 0 | 13 | — | — |
| Idaho [§] | — | 0 | 2 | — | — | — | 0 | 3 | — | — |
| Montana | — | 0 | 3 | — | — | — | 0 | 9 | — | — |
| Nevada [§] | — | 0 | 3 | — | — | — | 0 | 8 | — | — |
| New Mexico [§] | — | 0 | 3 | — | — | — | 0 | 4 | — | — |
| Utah | — | 0 | 6 | — | — | — | 0 | 8 | — | — |
| Wyoming | — | 0 | 2 | — | — | — | 0 | 1 | — | — |
| Pacific | — | 0 | 50 | — | — | — | 0 | 90 | — | 2 |
| Alaska | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| California | — | 0 | 50 | — | — | — | 0 | 89 | — | 2 |
| Hawaii | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Oregon [§] | — | 0 | 1 | — | — | — | 0 | 2 | — | — |
| Washington | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| C.N.M.I. | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

C.N.M.I.: Commonwealth of Northern Mariana Islands.

U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

* Incidence data for reporting years 2005 and 2006 are provisional.

† Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Infectious Diseases (ArboNet Surveillance).

§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE III. Deaths in 122 U.S. cities,* week ending May 6, 2006 (18th Week)

| Reporting Area | All causes, by age (years) | | | | | | | Reporting Area | All causes, by age (years) | | | | | | |
|-----------------------------|----------------------------|-------|-------|-------|------|----|------------------------|------------------------------|----------------------------|-------|-------|-------|------|-----|------------------------|
| | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | P&I [†] Total | | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | P&I [†] Total |
| New England | 596 | 433 | 115 | 33 | 7 | 8 | 61 | S. Atlantic | 1,304 | 790 | 352 | 95 | 40 | 27 | 89 |
| Boston, MA | 134 | 90 | 31 | 5 | 5 | 3 | 22 | Atlanta, GA | 173 | 100 | 49 | 17 | 4 | 3 | 3 |
| Bridgeport, CT | 30 | 25 | 5 | — | — | — | 3 | Baltimore, MD | 197 | 115 | 55 | 16 | 9 | 2 | 26 |
| Cambridge, MA | 21 | 16 | 3 | 2 | — | — | 4 | Charlotte, NC | 92 | 57 | 19 | 8 | 5 | 3 | 8 |
| Fall River, MA | 31 | 26 | 2 | 2 | 1 | — | 4 | Jacksonville, FL | 152 | 94 | 41 | 8 | 5 | 4 | 7 |
| Hartford, CT | 50 | 32 | 13 | 5 | — | — | 1 | Miami, FL | 132 | 87 | 29 | 10 | 5 | 1 | 7 |
| Lowell, MA | 15 | 14 | 1 | — | — | — | 1 | Norfolk, VA | 46 | 20 | 20 | 3 | — | 3 | 4 |
| Lynn, MA | 11 | 7 | 4 | — | — | — | 3 | Richmond, VA | 36 | 19 | 11 | 4 | — | 2 | 2 |
| New Bedford, MA | 25 | 17 | 7 | 1 | — | — | 1 | Savannah, GA | 81 | 42 | 29 | 5 | 2 | 3 | 1 |
| New Haven, CT | 47 | 30 | 11 | 5 | — | 1 | 5 | St. Petersburg, FL | 67 | 34 | 27 | 1 | 3 | 2 | 9 |
| Providence, RI | 74 | 58 | 10 | 2 | 1 | 3 | 6 | Tampa, FL | 200 | 135 | 43 | 17 | 4 | 1 | 13 |
| Somerville, MA | 6 | 3 | 3 | — | — | — | — | Washington, D.C. | 110 | 76 | 24 | 5 | 3 | 2 | 4 |
| Springfield, MA | 43 | 34 | 8 | 1 | — | — | 6 | Wilmington, DE | 18 | 11 | 5 | 1 | — | 1 | 5 |
| Waterbury, CT | 33 | 22 | 7 | 4 | — | — | 1 | E.S. Central | 773 | 517 | 166 | 54 | 25 | 11 | 49 |
| Worcester, MA | 76 | 59 | 10 | 6 | — | 1 | 4 | Birmingham, AL | 170 | 121 | 28 | 14 | 4 | 3 | 13 |
| Mid. Atlantic | 1,885 | 1,347 | 384 | 94 | 28 | 31 | 93 | Chattanooga, TN | 64 | 44 | 13 | 4 | 3 | — | 5 |
| Albany, NY | 48 | 30 | 14 | 2 | 1 | 1 | 1 | Knoxville, TN | 107 | 68 | 31 | 6 | 2 | — | 3 |
| Allentown, PA | 21 | 18 | 3 | — | — | — | — | Lexington, KY | 63 | 39 | 14 | 8 | 2 | — | — |
| Buffalo, NY | 66 | 45 | 13 | 4 | 1 | 3 | 1 | Memphis, TN | 139 | 85 | 31 | 10 | 9 | 4 | 10 |
| Camden, NJ | 26 | 15 | 7 | 2 | — | 2 | — | Mobile, AL | 63 | 46 | 13 | 3 | — | 1 | 6 |
| Elizabeth, NJ | 18 | 11 | 2 | 3 | — | 1 | — | Montgomery, AL | 35 | 29 | 5 | 1 | — | — | 4 |
| Erie, PA | 45 | 35 | 9 | 1 | — | — | 2 | Nashville, TN | 132 | 85 | 31 | 8 | 5 | 3 | 8 |
| Jersey City, NJ | 50 | 35 | 13 | 1 | — | 1 | — | W.S. Central | 1,442 | 911 | 360 | 101 | 29 | 41 | 88 |
| New York City, NY | 1,026 | 743 | 201 | 51 | 15 | 16 | 51 | Austin, TX | 92 | 64 | 26 | 2 | — | — | 10 |
| Newark, NJ | 58 | 32 | 16 | 8 | 1 | 1 | 6 | Baton Rouge, LA | 30 | 23 | 6 | 1 | — | — | 3 |
| Paterson, NJ | 16 | 11 | 2 | 2 | 1 | — | — | Corpus Christi, TX | 51 | 28 | 13 | 5 | 3 | 2 | 5 |
| Philadelphia, PA | 211 | 154 | 44 | 11 | 2 | — | 10 | Dallas, TX | 189 | 120 | 38 | 20 | 3 | 8 | 9 |
| Pittsburgh, PA [‡] | 33 | 18 | 13 | — | — | 2 | — | El Paso, TX | 101 | 72 | 17 | 6 | 3 | 3 | 2 |
| Reading, PA | 21 | 16 | 5 | — | — | — | 1 | Fort Worth, TX | 113 | 67 | 37 | 2 | — | 7 | 4 |
| Rochester, NY | 119 | 91 | 21 | 1 | 3 | 3 | 13 | Houston, TX | 342 | 191 | 98 | 35 | 6 | 12 | 11 |
| Schenectady, NY | 22 | 20 | 1 | — | 1 | — | 2 | Little Rock, AR | 68 | 43 | 16 | 5 | 3 | 1 | 4 |
| Scranton, PA | 29 | 20 | 6 | 2 | 1 | — | 2 | New Orleans, LA [†] | U | U | U | U | U | U | U |
| Syracuse, NY | 27 | 21 | 2 | 2 | 1 | 1 | 3 | San Antonio, TX | 250 | 171 | 60 | 11 | 5 | 3 | 29 |
| Trenton, NJ | 22 | 12 | 6 | 3 | 1 | — | 1 | Shreveport, LA | 63 | 37 | 17 | 4 | 1 | 4 | 7 |
| Utica, NY | 11 | 8 | 2 | 1 | — | — | — | Tulsa, OK | 143 | 95 | 32 | 10 | 5 | 1 | 4 |
| Yonkers, NY | 16 | 12 | 4 | — | — | — | — | Mountain | 932 | 599 | 201 | 65 | 39 | 28 | 71 |
| E.N. Central | 2,195 | 1,461 | 485 | 135 | 57 | 57 | 139 | Albuquerque, NM | 133 | 84 | 32 | 10 | 5 | 2 | 14 |
| Akron, OH | 49 | 32 | 14 | 3 | — | — | 3 | Boise, ID | 42 | 26 | 10 | 2 | 3 | 1 | 5 |
| Canton, OH | 41 | 31 | 8 | 1 | — | 1 | 3 | Colorado Springs, CO | 59 | 39 | 12 | 3 | 4 | 1 | 3 |
| Chicago, IL | 364 | 228 | 84 | 34 | 9 | 9 | 35 | Denver, CO | 76 | 51 | 17 | 2 | 1 | 5 | 4 |
| Cincinnati, OH | 89 | 62 | 18 | 2 | 2 | 5 | 11 | Las Vegas, NV | 269 | 175 | 65 | 15 | 9 | 5 | 21 |
| Cleveland, OH | 246 | 185 | 51 | 9 | 1 | — | 8 | Ogden, UT | 34 | 24 | 6 | 2 | 1 | 1 | 1 |
| Columbus, OH | 197 | 147 | 36 | 7 | 3 | 4 | 11 | Phoenix, AZ | 182 | 112 | 31 | 21 | 12 | 6 | 7 |
| Dayton, OH | 127 | 90 | 32 | 4 | 1 | — | 12 | Pueblo, CO | 33 | 25 | 6 | 1 | — | 1 | 4 |
| Detroit, MI | 220 | 112 | 59 | 23 | 9 | 17 | 10 | Salt Lake City, UT | 104 | 63 | 22 | 9 | 4 | 6 | 12 |
| Evansville, IN | 39 | 27 | 7 | 4 | — | 1 | 1 | Tucson, AZ | U | U | U | U | U | U | U |
| Fort Wayne, IN | 59 | 41 | 12 | 2 | 3 | 1 | 8 | Pacific | 1,864 | 1,323 | 390 | 88 | 40 | 23 | 164 |
| Gary, IN | 15 | 8 | 4 | 2 | 1 | — | — | Berkeley, CA | 16 | 8 | 8 | — | — | — | 3 |
| Grand Rapids, MI | 53 | 40 | 5 | 2 | 3 | 3 | 4 | Fresno, CA | 155 | 115 | 31 | 5 | 2 | 2 | 10 |
| Indianapolis, IN | 205 | 130 | 50 | 17 | 3 | 5 | 11 | Glendale, CA | 18 | 14 | 4 | — | — | — | 1 |
| Lansing, MI | 49 | 32 | 14 | 1 | 1 | 1 | — | Honolulu, HI | 142 | 114 | 20 | 2 | 2 | 4 | — |
| Milwaukee, WI | 126 | 76 | 33 | 7 | 9 | 1 | 6 | Long Beach, CA | 61 | 38 | 17 | 3 | 2 | 1 | 7 |
| Peoria, IL | 54 | 29 | 14 | 2 | 6 | 3 | 3 | Los Angeles, CA | 362 | 267 | 70 | 19 | 4 | 2 | 37 |
| Rockford, IL | 64 | 49 | 10 | 3 | — | 2 | 1 | Pasadena, CA | 20 | 12 | 6 | — | — | 2 | 5 |
| South Bend, IN | 61 | 40 | 10 | 6 | 3 | 2 | 2 | Portland, OR | 134 | 85 | 36 | 6 | 5 | 2 | 8 |
| Toledo, OH | 78 | 56 | 15 | 4 | 3 | — | 2 | Sacramento, CA | 201 | 145 | 37 | 11 | 4 | 4 | 11 |
| Youngstown, OH | 59 | 46 | 9 | 2 | — | 2 | 8 | San Diego, CA | 165 | 110 | 36 | 12 | 6 | 1 | 12 |
| W.N. Central | 590 | 390 | 128 | 51 | 14 | 7 | 35 | San Francisco, CA | 138 | 93 | 28 | 11 | 6 | — | 26 |
| Des Moines, IA | 50 | 32 | 11 | 3 | 4 | — | 4 | San Jose, CA | 153 | 120 | 24 | 2 | 4 | 3 | 19 |
| Duluth, MN | 30 | 26 | 1 | 2 | 1 | — | 5 | Santa Cruz, CA | 34 | 21 | 10 | 3 | — | — | 4 |
| Kansas City, KS | 23 | 11 | 10 | 2 | — | — | 2 | Seattle, WA | 121 | 78 | 30 | 7 | 5 | 1 | 10 |
| Kansas City, MO | 81 | 63 | 10 | 4 | 1 | 3 | 7 | Spokane, WA | 54 | 37 | 14 | 3 | — | — | 7 |
| Lincoln, NE | 53 | 39 | 12 | 2 | — | — | 2 | Tacoma, WA | 90 | 66 | 19 | 4 | — | 1 | 4 |
| Minneapolis, MN | 65 | 34 | 19 | 11 | 1 | — | 2 | Total | 11,581** | 7,771 | 2,581 | 716 | 279 | 233 | 789 |
| Omaha, NE | 106 | 76 | 20 | 7 | — | 3 | 6 | | | | | | | | |
| St. Louis, MO | 62 | 26 | 18 | 13 | 5 | — | 3 | | | | | | | | |
| St. Paul, MN | 53 | 42 | 7 | 3 | 1 | — | 1 | | | | | | | | |
| Wichita, KS | 67 | 41 | 20 | 4 | 1 | 1 | 3 | | | | | | | | |

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.

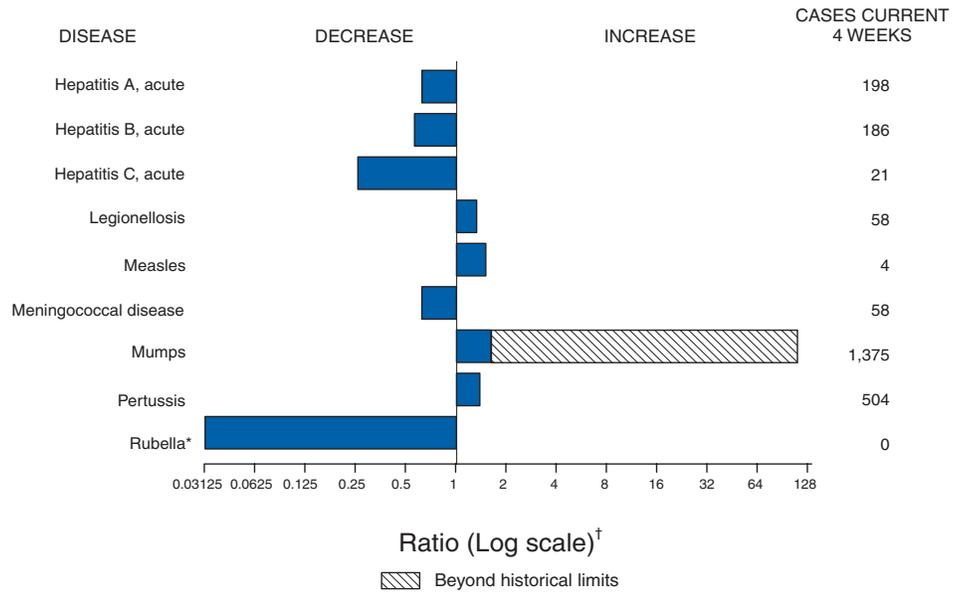
† Pneumonia and influenza.

‡ 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.

§ Because of Hurricane Katrina, weekly reporting of deaths has been temporarily disrupted.

** Total includes unknown ages.

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals May 6, 2006, with historical data



* No rubella cases were reported for the current 4-week period yielding a ratio for week 18 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.

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