



Morbidity and Mortality Weekly Report

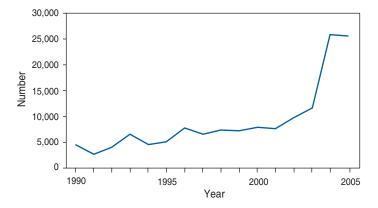
Weekly

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Outbreaks of Respiratory Illness Mistakenly Attributed to Pertussis — New Hampshire, Massachusetts, and Tennessee, 2004–2006

Pertussis, or whooping cough, is a highly infectious, nationally notifiable* respiratory disease associated with prolonged cough illness and paroxysms of coughing, inspiratory "whoop," or posttussive vomiting. Reported pertussis cases have tripled in the United States since 2001, with 25,616 probable or confirmed cases reported in 2005 (Figure 1). This increase has been attributed to increased circulation of Bordetella pertussis, waning vaccine-induced immunity among adults and adolescents, heightened awareness of pertussis among health-care providers, increased public health reporting, and increased use of polymerase chain reaction (PCR) testing for diagnosis (1). To minimize the spread of pertussis, control measures must be implemented early in the course of illness when the risk for transmission is highest. However, diagnosis of pertussis is complicated by nonspecific signs and symptoms, particularly in the early catarrhal stage of disease.

FIGURE 1. Number of reported pertussis cases,* by year — National Notifiable Diseases Surveillance System, United States, 1990–2005



^{*} Probable and confirmed cases.

In addition, the lack of rapid, sensitive, and specific laboratory tests makes early and accurate identification of pertussis challenging. This report describes two hospital outbreaks and one community outbreak of respiratory illness during 2004–2006 in New Hampshire, Massachusetts, and Tennessee that were attributed initially to pertussis. However, subsequent investigations revealed negative or equivocal laboratory results and epidemiologic and clinical features atypical of pertussis, suggesting that pertussis was not the cause of these outbreaks. The findings in this report underscore the need for thorough epidemiologic and laboratory investigation of suspected pertussis outbreaks when considering extensive control measures.

New Hampshire. In March 2006, a laboratory worker from a 396-bed hospital visited the occupational medicine clinic with a 3-week history of paroxysmal cough and posttussive vomiting. The laboratory worker tested positive with the hospital's single-target PCR assay for pertussis (IS481).† The worker subsequently was treated with azithromycin and furloughed for 5 days. Postexposure prophylaxis (PEP) with azithromycin was administered to all close contacts. Case investigation from mid-March to early April identified 15 additional health-care personnel (HCP) in the same laboratory with respiratory illness and either a positive or equivocal PCR test result for pertussis, leading hospital investigators to suspect an outbreak. Suspected

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^{*}Information available at http://www.cdc.gov/epo/dphsi/nndsshis.htm.

[†]The assays identified in this report have not been approved by the Food and Drug Administration.

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pertussis in HCP was defined as either 1) cough of any duration and at least one classic pertussis symptom (i.e., paroxysms of coughing, whoop, or posttussive vomiting) or 2) a positive or equivocal PCR test result. In April, to control the spread of the outbreak, the hospital's infectioncontrol and occupational-medicine staff members offered PEP and vaccination with the newly licensed tetanus toxoid, reduced diphtheria toxoid, acellular pertussis vaccine (Tdap) to all personnel in the hospital's clinical laboratories. Despite these interventions, from late April to early May, 18 additional ill HCP with suspected pertussis were identified through passive surveillance in other parts of the hospital, including patient-care areas. In May, the hospital began screening all HCP for signs and symptoms of upper respiratory tract infection and began PCR testing for pertussis on symptomatic HCP. By June, 134 suspected pertussis cases had been identified: 98 (73%) by positive or equivocal PCR results and 36 (27%) by clinical symptoms alone. A total of 192 nasopharyngeal swabs or aspirates from symptomatic HCP, including specimens from 27 (20%) of the 134 HCP with suspected pertussis, were submitted for isolation of B. pertussis by culture throughout the course of the outbreak; none yielded B. pertussis.

Review of surveillance data revealed no increased pertussis activity in the surrounding community. No pertussis cases were identified among vaccinated or unvaccinated infants, either in the hospital or surrounding community. Retrospective interviews of 120 (90%) HCP with suspected pertussis indicated that 25 (21%) of those interviewed never had cough, a hallmark symptom of pertussis. Among the 95 (79%) HCP with cough, 33 (35%) reported never having a classic pertussis symptom (i.e., paroxysms, whoop, or posttussive vomiting). Myalgia, not typically associated with pertussis, was reported by 32 (34%) of 93 HCP who were asked whether they had this symptom.

Additional laboratory evaluation included retesting of initial DNA extracts at CDC using a two-target PCR assay (IS481 and ptxS1). Among 111 extracts available for testing, one was positive for both targets and interpreted as B. pertussis, and 24 extracts were positive by single target alone (IS481) and interpreted as indeterminate. Sera from 39 HCP who had not been vaccinated during the outbreak with Tdap and who met the hospital's definition for suspected pertussis were collected and tested at Vanderbilt University Medical Center in Nashville, Tennessee, for antipertussis toxin immunoglobulin G (IgG) by enzyme-linked immunosorbent assay (ELISA); one sample had a positive IgG level, one was intermediate, and 37 were negative. Samples of aspirates and DNA extracts were tested at the hospital and CDC for a panel of viral pathogens, other Bordetella species, Chlamydia pneumoniae, and

Mycoplasma pneumoniae. PCR testing yielded two specimens with results consistent with Bordetella holmesii.

Substantial resources were invested to control this outbreak. During March–May 2006, approximately 1,700 visits by HCP to the occupational medicine clinic for respiratory illness were reported. Among 6,289 hospital HCP, 978 (16%) ill HCP were tested by PCR, treated, and furloughed pending negative PCR results. An additional 1,311 contacts of HCP with suspected pertussis received PEP. Other control measures included a 1-week Tdap vaccination campaign in May, during which 4,524 (72%) HCP were vaccinated.

Massachusetts. A child aged 20 months was admitted to a 347-bed pediatric hospital on September 21, 2006, with respiratory symptoms; the child had not received all age-appropriate doses of diphtheria and tetanus toxoids and acellular pertussis (DTaP) vaccine. Initial tests on September 24 were positive for respiratory syncytial virus. Subsequent testing for pertussis by two-target PCR assays (IS481 and ptxS1) at the Massachusetts State Laboratory Institute (MSLI) were positive for both targets on October 2, 2006. In October, the hospital initiated enhanced screening of symptomatic HCP with suspected pertussis and other HCP who had been in contact with the child.

A total of 507 HCP with upper respiratory symptoms were identified during the course of the investigation. Nasopharyngeal specimens from symptomatic HCP were tested by culture, PCR, or both during October 1-November 14. By December 2006, 36 specimens from HCP had tested positive for pertussis by PCR (33 at MSLI and three at a commercial laboratory). Twenty-eight of the 36 (78%) HCP had reported cough of fewer than 2 weeks and 33 (92%) had reported no classic pertussis symptoms. Of the 33 PCR-positive specimens tested for two targets at MSLI, 29 (88%) were positive by a single target (IS481) and four (12%) were positive by both targets (IS481 and ptxS1). Of the 32 PCR-positive specimens submitted for culture, none yielded B. pertussis. Sera were collected from 23 HCP who had positive PCR test results and were not vaccinated during the outbreak; all were negative for antipertussis toxin IgG by ELISA at MSLI.

Because a number of HCP had atypical symptoms and no culture or serologic confirmation of pertussis, repeat PCR testing was conducted at CDC and the Provincial Laboratory for Public Health in Alberta, Canada. Twenty-five initial DNA extracts with positive PCR test results were retested at CDC using two-target PCR assays (IS481 and ptxS1). One sample was positive by both targets (IS481 and ptxS1) and interpreted as positive for B. pertussis, and 24 were positive by a single target only (IS481) and inter-

preted as indeterminate. Six of the 25 initial DNA extracts also were retested by the Canadian laboratory; two extracts were positive by IS481 and ptxS1 (interpreted as positive for B. pertussis), three were positive by IS481 only (interpreted as possibly B. pertussis), and one result was uninterpretable. Overall, only one of six specimens tested by MSLI, CDC, and the Canadian laboratory was interpreted as positive for B. pertussis by all three laboratories. Six DNA extracts were tested for M. pneumoniae by PCR, and none were positive.

Tennessee. In April 2004, pertussis in an infant aged 5 weeks was confirmed by isolation of B. pertussis from a nasopharyngeal specimen. Before diagnosis, the infant had been taken to the local health department and two other medical facilities. Aggressive contact tracing and testing of symptomatic contacts was undertaken by the local health department. For this investigation, a laboratory-confirmed case was defined as a PCR-positive case in a symptomatic contact, using a singletarget repeating sequence found in B. pertussis (RSBP1). A clinical case was defined as either cough illness of at least 2 weeks' duration or cough of any duration with paroxysms of coughing, whoop, or posttussive vomiting and an epidemiologic link to a laboratory-confirmed case. Antimicrobial treatment was offered to all patients, and PEP was offered to all asymptomatic close contacts. Further contact tracing and control measures were implemented for all patients with laboratory-confirmed or clinical diagnoses of pertussis.

During a 2-month period, 1,459 persons in the community who visited health-care providers with pertussis symptoms were evaluated for pertussis and offered treatment or PEP with erythromycin or azithromycin. A total of 317 symptomatic persons were tested by PCR; 43 (14%) were positive. Of these, only two (5%) had cough of at least 2 weeks' duration. Among 284 samples submitted for culture, only the specimen from the infant yielded *B. pertussis*. Because of the lack of culture confirmation, serologic testing for antipertussis toxin IgG by ELISA was performed at Vanderbilt University Medical Center on 21 patients and contacts. Four of 11 patients who were positive by PCR also had serologic evidence of recent pertussis infection. Testing for alternate pathogens was not performed.

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Editorial Note: Although the respiratory outbreaks in New Hampshire, Massachusetts, and Tennessee initially were considered caused by pertussis, retrospective investigations demonstrated that pertussis was unlikely to have been the primary etiology. The results of these investigations underscore the importance of confirming pertussis as the etiology of respiratory outbreaks when control measures are being implemented, particularly when laboratory results are inconsistent and supporting clinical and epidemiologic data are lacking.

Several laboratory methods, including culture, serology, and PCR, are available for pertussis diagnosis. Culture is a reference standard and 100% specific. Its sensitivity can be as high as 56% early in the course of illness but decreases with delays in specimen collection or in patients who have received antimicrobial treatment or previous vaccination (1–3). Other factors that can affect the yield of culture include technical methods for obtaining specimens, availability of appropriate media, transport of specimens, and experience with isolation of B. pertussis (2,4). Isolating B. pertussis in culture can take 7-14 days and might not be timely for acute case management. However, confirming the etiology with culture in the early stages of a suspected pertussis outbreak will help guide the public health response (3,4), and continued isolation of B. pertussis from a subset of clinical samples will provide laboratory evidence of ongoing transmission. Serology using paired acute- and convalescent-phase sera requires at least a 4-week interval between specimen collections and is not useful for immediate diagnosis (4). Single-sample serology tests for antipertussis toxin IgG have been developed for research purposes but must be collected at least 2 weeks after symptom onset (5). Pertussis serology assays using commercially available reagents also are available, but these assays are not clinically validated and might not differentiate between recent and remote infection or vaccination.

In 1997, introduction of PCR test results into the pertussis case definition of the Council of State and Territorial Epidemiologists (CSTE) (Box) facilitated laboratory diagnosis of disease, particularly among adults and adolescents, who often visit health-care providers late in the course of illness when the yield of culture is lower (2). The use of PCR, a rapid and sensitive diagnostic test, has become widespread. Among confirmed pertussis cases reported to NNDSS, the percentage of cases confirmed by PCR increased from 12% in 1997 to 44% in 2005, and the percentage of cases confirmed by culture decreased from 52% in 1997 to 20% in 2005. Overall, during 1997–2005, the number of PCR-confirmed cases increased while the number of culture-confirmed cases remained

BOX. Pertussis case definitions and laboratory criteria for diagnosis of pertussis — Council of State and Territorial Epidemiologists

Clinical case definition

• A cough illness lasting at least 2 weeks with one of the following symptoms and no other apparent cause (as reported by a health professional): paroxysms of coughing, inspiratory "whoop," or posttussive vomiting.

Laboratory criteria for diagnosis of pertussis

- Isolation of Bordetella pertussis from a clinical specimen, or
- Positive polymerase chain reaction (PCR) assay for *B. pertussis*.

Case classification

Confirmed*

- An acute cough illness of any duration associated with *B pertussis* isolation, or
- A case that meets the clinical case definition and is confirmed by PCR, or
- A case that meets the clinical definition and is epidemiologically linked directly to a case confirmed by either culture or PCR.

Probable*

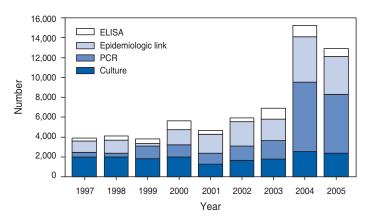
 A case that meets the clinical case definition, is not laboratory confirmed by either culture or PCR, and is not epidemiologically linked directly to a laboratoryconfirmed case.

SOURCE: Council of State and Territorial Epidemiologists. CSTE position statement 1997-ID-9: public health surveillance, control, and prevention of pertussis. Atlanta, GA: CSTE, 1997. Available at http://www.cste.org/ps/1997/id-09.htm.

*Both probable and confirmed cases should be reported to the National Notifiable Diseases Surveillance System. Information available at http://www.cdc.gov/epo/dphsi/nndsshis.htm.

stable (Figure 2; CDC, unpublished data, 2007). During the same period, the percentage of pertussis cases confirmed both by PCR and culture ranged from 1.1%-3.1% annually (mean: 2.3%). Presumed false-positive PCR test results in persons with nonspecific clinical features, such as rhinorrhea, sneezing, and sore throat, have raised concerns regarding the widespread application of PCR in an outbreak setting (6). No standardized PCR protocols for pertussis testing exist; approximately 100 different assays that use the IS481 target sequence have been documented (7). Laboratories vary in DNA purification techniques, primers and probes used in testing, and quality assurance procedures (1,4). Although these assays might undergo analytic sensitivity testing for technical performance standards (e.g., detection limits and reproducibility), a limited number of laboratories have established the accuracy of their PCR test

FIGURE 2. Number of confirmed pertussis cases, by confirmation method* — National Notifiable Diseases Surveillance System and Supplemental Pertussis Surveillance System, United States, 1997–2005



* Some cases were confirmed by more than one method. Cases were classified as follows: 1) all cases with a positive culture result were classified as culture confirmed; 2) cases with polymerase chain reaction (PCR) confirmation but no positive culture result were classified as PCR confirmed; 3) cases with confirmation by epidemiologic link but no positive culture or PCR results were classified as confirmed by epidemiologic link; 4) cases diagnosed in Massachusetts using the state-validated serologic assay by enzyme-linked immunosorbent assay (ELISA) with no positive culture or PCR result and no epidemiologic link were classified as ELISA confirmed.

(1). In addition, as illustrated in the Massachusetts outbreak, interpretation of PCR results can vary among laboratories. Use of standardized rapid and reliable laboratory tests to improve the specificity of the CSTE case definition is a public health priority. CDC, the Food and Drug Administration, and state and local public health partners have implemented a clinical validation study to evaluate several PCR and serologic assays. The results from that study should provide the basis for future validated laboratory assays to diagnose and manage pertussis cases and outbreaks.

The outbreaks described in this report illustrate the limitations of relying solely on PCR assays to confirm pertussis. PCR is an important tool for diagnosing individual cases of pertussis in persons for whom a high index of suspicion exists and for whom timely treatment and PEP are essential. However, the positive predictive value can be lower if PCR is used as a screening tool without culture confirmation during a suspected pertussis outbreak (3). Overreliance on the results of PCR assays can lead to implementation of unnecessary and resource-intensive control measures (e.g., case identification, antimicrobial treatment, furlough of ill persons, and administration of PEP) (8). In outbreak settings, positive PCR results should be interpreted in conjunction with epidemiologic investigation, evaluation of clinical symptoms, and confirmation by culture. CDC recommends timely collection and testing (early in the course of illness and during

the initial stages of the outbreak) of nasopharyngeal specimens for culture in at least a subset of persons who are symptomatic to confirm pertussis as the etiology of the outbreak (3). Absent or inconsistent supporting data and negative pertussis cultures in appropriately collected specimens should prompt testing for alternate pathogens.

Cocirculation of other pathogens can cause respiratory illness with symptoms similar to pertussis. Circulation of *B. pertussis* in communities is common and occurs in a background of other causes of respiratory illness. In retrospect, the culture-confirmed pertussis in the infant in Tennessee might have reflected sporadic disease rather than the beginning of an outbreak. Because confirmation of pertussis outbreaks by culture can take several weeks, simultaneous testing of acutely symptomatic persons for other pathogens (e.g., viruses or atypical bacteria) might be appropriate. Guidance on appropriate approaches to respiratory outbreaks of unknown etiology is available to state and local health departments through consultation with CDC at telephone 770-488-7100.

Considering the challenges of diagnosing pertussis and controlling outbreaks, prevention of pertussis outbreaks through widespread vaccination is an important strategy. The Advisory Committee on Immunization Practices recommends vaccination of persons aged 11-64 years with the newly licensed Tdap vaccines (1,9), which have been estimated 85%–92% effective (1,9). Achieving high coverage is expected to prevent disease and decrease the likelihood of future pertussis outbreaks. Although the effectiveness of vaccination with Tdap in interrupting transmission of pertussis during an outbreak has not been established, persons previously vaccinated with Tdap should have a lower risk for acquiring and transmitting pertussis, thereby preventing the outbreak from expanding. Investigation of suspected pertussis outbreaks should include timely consideration of clinical, laboratory, and epidemiologic data, including vaccination status of the population affected, to help health officials implement appropriate control measures.

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Norovirus Activity — United States, 2006–2007

In late 2006, CDC began receiving requests from numerous state public health departments for information about a perceived increase in the number of outbreaks of acute gastroenteritis (AGE), especially those involving person-toperson transmission in long-term-care facilities. No national surveillance system exists for AGE outbreaks, including those caused by norovirus, unless foodborne transmission is suspected. In the absence of national surveillance data, CDC attempted to better characterize the outbreaks of AGE by analyzing information from the following sources: 1) detailed data on recent AGE outbreaks in three of the states that had contacted CDC about a possible increase (North Carolina, Wisconsin, and New York); 2) emergency department (ED) syndromic surveillance data from Boston, Massachusetts; 3) basic epidemiologic data on AGE outbreaks from a CDC survey of state health departments; and 4) laboratory data from CDC. The analysis suggests that a national increase has occurred in the frequency of AGE outbreaks caused by norovirus (including fatal cases in long-term-care facilities). Two new cocirculating GII.4 norovirus strains emerged nationwide in 2006 and likely accounted for this increase in activity. Improved national surveillance of outbreaks, including those with person-to-person transmission; development of accessible, affordable, and timely clinical tests; and increased access to a norovirus strain sequencing database at CDC will lead to more accurate assessment of the morbidity and mortality associated with norovirus and more rapid identification of newly emerging norovirus strains.

North Carolina

During January-December 2006, the North Carolina Division of Public Health received 17 reports of outbreaks clinically and epidemiologically consistent with norovirus infection* (1) among residents of long-term-care facilities, compared with six in 2005 and three in 2004. Norovirus was confirmed by reverse transcription—polymerase chain reaction (RT-PCR) in all 12 outbreaks for which stool specimens were available. A total of 573 residents and 288 staff members were affected in the 17 outbreaks, and 36 patients required hospitalization. One patient aged 90 years died in association with an AGE outbreak in a long-term-care facility after experiencing loose stools, fever, and dehydration for 3 days; gastrointestinal illness was recorded as the primary cause of death. Outbreaks lasted from 2 to 35 days (median: 12 days). The largest confirmed norovirus outbreak at a long-term-care facility affected 77 residents and 67 staff members.

Outbreaks were preceded by illness among food handlers in four of the 17 long-term-care facilities, suggesting that these outbreaks might have been caused initially by foodborne transmission. At least two outbreaks were preceded by illness among staff members who also worked at other long-term-care facilities with reported norovirus outbreaks. Many long-termcare facilities used disinfectants that had limited effectiveness against norovirus (e.g., quaternary ammonia compounds) during these outbreaks. Although all AGE and other communicable disease outbreaks in North Carolina are reportable by long-term-care facilities to health departments, in at least four of the 17 outbreaks in 2006, health departments were notified of the outbreaks by emergency medical personnel or residents' family members rather than directly by the facilities, suggesting incomplete reporting of these outbreaks by longterm-care facilities in this state.

Wisconsin

During 2006, the Wisconsin Division of Public Health received reports of 106 AGE outbreaks, compared with 23 AGE outbreaks in 2005. Eighty-seven (82%) of the 2006 outbreaks were PCR-confirmed norovirus outbreaks; 45 (78%) of 58 norovirus-confirmed, nonfoodborne outbreaks were in long-term—care facilities, compared with three (20%) of the 15 norovirus-confirmed, nonfoodborne outbreaks in 2005.

The 45 outbreaks in long-term–care facilities reported in Wisconsin in 2006 included 2,071 clinical cases; 44 patients

^{*} AGE outbreaks are considered consistent with norovirus if all of the following criteria are met: 1) vomiting in >50% of affected persons, 2) mean or median incubation period of 24–48 hours, 3) mean or median illness duration of 12–60 hours, and 4) no bacterial pathogens isolated from stool culture (1).

were hospitalized, and two died. The primary causes of death were not reported. The duration of outbreaks in long-term–care facilities ranged from 2 to 30 days (median: 11 days). Challenges in investigating these outbreaks included delayed reporting and incomplete collection of clinical data by long-term–care facilities.

New York

During October 1, 2006-January 31, 2007, a total of 333 AGE outbreaks were reported in New York, more than four times the number reported during the same period in 2005-2006 (76 outbreaks). Of these 333 outbreaks, 272 (82%) occurred in long-term-care facilities and 26 (8%) in hospitals. Of 216 health-care facility outbreaks with available data, a total of 7,907 patients and 4,317 staff members were affected. Of these, 207 (2.6%) patients and 20 (0.5%) staff members were hospitalized, and 16 deaths among patients with AGE were reported; however the cause of death was not reported. In October 2005, electronic reporting of outbreaks in health-care facilities began in New York, which might have increased the completeness of reporting from these facilities. However, the number of outbreaks reported by traditional means (i.e., fax machine or telephone) increased 298%, from 42 during the 2005-2006 period to 167 during the 2006-2007 period, suggesting a real increase in incidence.

The New York State Department of Health does not routinely perform viral testing at the state laboratory for all AGE outbreaks. Therefore, of the 298 outbreaks that occurred in long-term—care facilities, only 11 (4%) outbreaks had a laboratory-confirmed etiology; four of these had laboratory confirmation of norovirus by RT-PCR, and seven had laboratory confirmation of nonviral etiologies. The majority of

outbreaks that did not have a laboratory-confirmed etiology were clinically and epidemiologically consistent with norovirus infection (1).

Boston, Massachusetts

During December 1, 2006–April 1, 2007, 18 outbreaks characterized by acute onset of vomiting and diarrhea were reported from colleges, day care centers, and health-care facilities in Boston, Massachusetts, affecting 1,327 persons, compared with two such outbreaks during the same period in 2005. Eight of the 2006–2007 outbreaks were attributed to norovirus by RT-PCR testing of stool specimens.

The Boston Public Health Commission (BPHC), which coordinates syndromic surveillance in all 10 Boston hospital EDs, examined data from the city's EDs to determine whether an AGE increase had occurred. These EDs submit demographic and chief complaint data to BPHC every 24 hours. Chief complaints are grouped into syndromes and analyzed for unusual activity. These data indicated citywide increases in the number of ED visits for a gastrointestinal syndrome defined as nausea, vomiting, or diarrhea among all age groups during December 5, 2006–March 24, 2007. During this 16-week period, ED visits attributable to this gastrointestinal syndrome averaged 96 per day (7.4% of all visits), compared with 74 visits per day (5.8% of all visits) during the same period in the previous year (p<0.001, by Pearson's chi-square test) (Figure).

United States

CDC solicited information from the health departments of all 50 states and the District of Columbia on the number of 1) AGE outbreaks reported during October-December 2005 and October-December 2006, 2) AGE outbreaks in long-term-care facilities, and 3) norovirus outbreaks confirmed by PCR. Forty states responded, and CDC reviewed data from 24 states that reported at least five outbreaks in both 2005 and 2006 (Table). These 24 states reported a total of 1,316 AGE outbreaks with onset during October-December 2006; a median of 50% occurred in long-term-care facilities, and a median of 26% had laboratory confirmation of norovirus by RT-PCR. Of these 24 states, 22 (92%) reported an increase in the number of outbreaks compared with the same period in 2005 (range of increase: 18%-800%). State officials reported that the majority of the outbreaks with no laboratory confirmation of norovirus had epidemiologic and clinical evidence suggestive of norovirus infection (1).

FIGURE. Percentage of emergency department visits for nausea, vomiting, or diarrhea, by surveillance week and month — Boston, Massachusetts, July 2004–April 2007

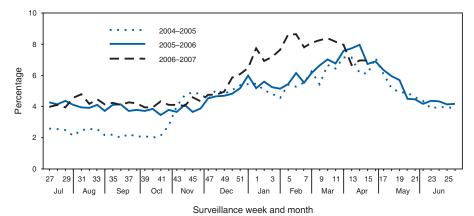


TABLE. Number and percentage of reported acute gastroenteritis outbreaks, by state, number in long-term-care facilities, and number with norovirus confirmed — multiple states, 2005 and 2006

| | No. of outbreaks during | No. of outbreaks during | % change from 2005 | | eaks in are facilities ember 2006 [†] | Outbreaks with norovirus confirmed§ October–December 2006† | | |
|----------------|------------------------------------|-------------------------|-----------------------|-----|--|--|------|--|
| State* | October–December 2005 [†] | October-December 2006† | to 2006 | No. | (%) | No. | (%) | |
| California | 47 | 256 | 445 | 126 | (49) | 69 | (27) | |
| Colorado | 18 | 69 | 283 | 63 | (91) | 15 | (22) | |
| Connecticut | 17 | 45 | 165 | 38 | (84) | 4 | (9) | |
| Georgia | 17 | 20 | 18 | 11 | (55) | 7 | (35) | |
| Idaho | 5 | 18 | 260 | 4 | (22) | 5 | (28) | |
| Indiana | 12 | 49 | 308 | 38 | (78) | 17 | (35) | |
| Iowa | 8 | 24 | 200 | 10 | (42) | 6 | (25) | |
| Kansas | 5 | 21 | 320 | 2 | (10) | 2 | (10) | |
| Kentucky | 12 | 22 | 83 | 17 | (77) | 3 | (14) | |
| Maryland | 24 | 55 | 129 | 20 | (36) | 13 | (24) | |
| Massachusetts | 13 | 33 | 154 | 20 | (61) | 3 | (9) | |
| Michigan | 8 | 72 | 800 | 49 | (68) | 37 | (51) | |
| Minnesota | 20 | 98 | 390 | 48 | (49) | 47 | (48) | |
| Missouri | 11 | 17 | 55 | 8 | (47) | 4 | (24) | |
| Nebraska | 5 | 12 | 140 | 5 | (42) | 3 | (25) | |
| New Jersey | 9 | 24 | 167 | 16 | (67) | 4 | (17) | |
| New York | 40 | 236 | 490 | 184 | (78) | 11 | (5) | |
| North Carolina | 22 | 18 | -18 | 9 | (50) | 9 | (50) | |
| Ohio | 22 | 69 | 213 | 16 | (23) | 34 | (49) | |
| Oregon | 23 | 46 | 100 | 26 | (57) | 21 | (46) | |
| Pennsylvania | 7 | 38 | 443 | 12 | (32) | 25 | (66) | |
| Tennessee | 6 | 14 | 133 | 2 | (14) | 8 | (57) | |
| Utah | 6 | 5 | -17 | 0 | (0) | 1 | (20) | |
| Virginia | 15 | 55 | 267 | 38 | (69) | 34 | (62) | |
| Total | 372 | 1,316 | 254 | 762 | (58) | 382 | (29) | |

^{*}Only states that reported at least five outbreaks during October-December 2005 and October-December 2006 were included.

Date of outbreak onset.

CDC Laboratory Surveillance

During 2006, the National Calicivirus Laboratory at CDC tested 761 stool specimens from 126 AGE outbreaks in the United States for norovirus by RT-PCR (2). Outbreak settings included cruise ships (n = 37), long-termcare facilities and assisted-living facilities (n = 37), restaurants and catered events (n = 13), hospitals and healthcare centers (n = seven), colleges and schools (n = three), parties (n = three), and other settings (n = 26). Norovirus was confirmed in 114 (90%) of these outbreaks, and 87 (76%) of these were associated with two new GII.4 norovirus variants (Minerva and Laurens) by partial capsid gene-region sequencing (3). The Minerva strain was detected in 15 (60%) of 25 outbreaks during October-December 2006 on cruise ships and in eight states; during January-June 2007, the same strain caused 66 (54%) of 122 outbreaks on cruise ships and in 19 states. The Laurens strain was detected in 10 (40%) of the 25 outbreaks during October-December 2006 and 33 (27%) of the 122 outbreaks during January-June 2007. The partial capsid sequences of the Minerva and Laurens strains are identical to the GII.4 strains (GII.4-2006a and GII.4-2006b) reported in 2006 in Europe (4).

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Editorial Note: This report highlights widespread increased frequency of norovirus-like illness outbreaks and ED visits during October–December 2006 and January–June 2007. This increase was associated with the emergence of two new cocirculating strains of norovirus GII.4. A previous increase in norovirus outbreaks in the United States also was associated with the emergence of new strains (7). Whether the increase in outbreaks is a result of increased pathogenicity or transmissibility of new strains, lower immunity in the population, or other factors is unclear. During late 2006

[§]Confirmed by reverse transcription–polymerase chain reaction.

and early 2007, increases in AGE outbreaks consistent with norovirus (*I*) were reported by many state health departments. A high proportion of specimens tested were positive for norovirus, which suggests that the increase in AGE outbreaks was associated with norovirus infection. The magnitude and consistency of increases in multiple states suggest an actual increase rather than increased reporting resulting from increased awareness of and testing for norovirus.

A large proportion of AGE outbreaks in 2006 occurred among residents of long-term—care facilities, a population that has higher attack rates from AGE than noninstitutionalized populations (6). Illness compatible with norovirus infection was the primary cause of death recorded for a resident of a long-term—care facility in North Carolina; in addition, two deaths in Wisconsin and 16 deaths in New York were associated with AGE outbreaks in health-care facilities. Norovirus infection as a confirmed cause of death has not been reported previously in the United States. Additional investigation of deaths associated with AGE outbreaks in health-care settings is needed to better understand the role of norovirus.

Noroviruses are the most common cause of sporadic cases and outbreaks of AGE (8). Transmission occurs via foodborne and person-to-person routes as well as through contact with contaminated environmental surfaces. The low infectious dose of norovirus (<10 viral particles) required for transmission, in addition to the virus's environmental persistence and prolonged shedding after recovery, coupled with the shared toilet facilities, close living quarters, and immobile or incontinent residents in long-term—care facilities predispose these facilities to prolonged outbreaks with high attack rates (9). Control of norovirus outbreaks depends on consistent enforcement of measures such as strict hand hygiene and use of effective environmental disinfectants (Box) (10).

The findings in this report are subject to at least two limitations. First, no national surveillance system exists for AGE or norovirus outbreaks that are transmitted from person to person; reporting methods and completeness of reporting vary substantially by state. Thus, this report likely underestimates the number of norovirus outbreaks and cannot accurately quantify the increase in frequency from 2005 to 2006. Second, laboratory testing for norovirus is limited to the state public health laboratories, and norovirus testing is not routinely performed on all specimens from all AGE outbreaks; the low number of outbreaks with norovirus confirmation likely reflects this. During October–December 2006, only 29% of all reported AGE outbreaks in 24 states had laboratory confirmation of norovirus. States such as Wisconsin that routinely test specimens from outbreaks determined that a high proportion were attributable to norovirus.

BOX. Recommended measures for the prevention and control of norovirus infection

- 1. Practice good hand hygiene.
 - Wash hands frequently with soap and water.
 - Alcohol-based sanitizing hand gels (≥62% ethanol content) may be used to complement hand washing with soap and water.
- 2. Disinfect contaminated surfaces with either of the following methods:
 - Use a chlorine bleach solution with a concentration of 1,000–5,000 ppm (1:50–1:10 dilution of household bleach [5.25%]) for hard, nonporous surfaces.
 - Use disinfectants registered as effective against norovirus by the Environmental Protection Agency (EPA)* in accordance with the manufacturers' instructions.
- 3. Do not return to work or school until 24–72 hours after symptoms resolve and practice good hand hygiene after returning.
- 4. Additional measures for outbreaks in health-care and long-term—care facilities include the following:
 - Use contact precautions for preventing gastroenteritis.
 - Avoid sharing staff members between units or facilities with affected patients and units or facilities that are not affected.
 - Group symptomatic patients and provide separate toilet facilities for ill and well persons.
 - Instruct visitors on appropriate hand hygiene and monitor compliance with contact isolation precautions.
 - Close affected units to new admissions and transfers.

In June 2006, the Council for State and Territorial Epidemiologists passed a resolution stating that all AGE outbreaks should be reportable nationally, regardless of mode of transmission (i.e., foodborne or person to person). This will be implemented in 2008 through the National Outbreak Reporting System. In addition to better surveillance, specific protocols are needed to investigate the role of norovirus in diarrheal deaths, particularly among older adults. Development and application of new, easy-to-use norovirus assays for routine clinical practice could better define the prevalence of norovirus among persons with AGE who seek health-care services. CaliciNet, a centralized database at CDC, is used to collect and compare norovirus sequences to identify emergent strains, track more virulent

^{*}List of EPA-approved products available at http://www.epa.gov/oppad001/list_g_norovirus.pdf. Evidence for efficacy against norovirus is usually based on studies using feline calicivirus (FCV) as a substitute for norovirus. FCV and norovirus have different physiochemical properties, and whether inactivation of FCV reflects efficacy against norovirus is unclear.

strains in real time, and determine the role of contaminated foods in their emergence; this database soon will be widely accessible to state and local health departments.

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Director's Perspective

Director's Perspective — Jeffrey P. Koplan, M.D., M.P.H., 1998–2002

CDC: Known and Trusted

CDC approached the new millennium with strong programs, strong partners, and a strong reputation. Emblematic of scientific integrity, evidence-based information, and public trust, the quality of CDC's "brand" rivaled any in corporate America and was unique among federal agencies. CDC built on this brand recognition to advance its public health mission into the 21st century. Introduction of a new design element (Figure 1) showcased the agency as a valuable federal asset.

In commemoration of CDC's 60th Anniversary, MMWR is departing from its usual report format. This is the sixth in a series of occasional commentaries by directors of CDC. The directors were invited to give their personal perspectives on the key public health achievements and challenges that occurred during their tenures.

FIGURE 1. The CDC design element, featured here at the entrance to the CDC Roybal campus, was developed during Dr. Koplan's tenure as CDC director



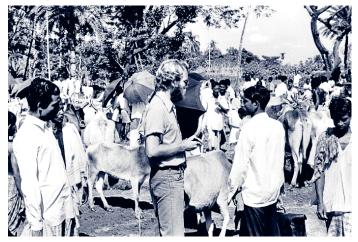
Photo/CDC

Beyond the importance of name recognition was the real substance of what CDC and public health represented to the nation and to the world. Taking a cue from the "top 10" lists proliferating at the end of the century, a series in the Morbidity and Mortality Weekly Report (MMWR) distilled reflections about 10 major public health accomplishments into a case for the value of public health (1). Each of the 10 breakthroughs highlighted an achievement that had a profound effect on the length and quality of the lives of Americans. The series celebrated achievements in immunizations, motorvehicle safety, safer workplaces, control of infectious diseases, reduced deaths from coronary artery disease and stroke, safer and healthier foods, healthier mothers and infants, family planning, fluoridation of drinking water, and recognition of tobacco use as a health hazard. This inventory of landmark accomplishments provided rich material to demonstrate the value of public health and remains an inspiration for future achievements.

The 50th anniversary of the Epidemic Intelligence Service (EIS), a year-long celebration starting in February 2001, provided another opportunity to reflect on past successes (2). For the agency's premier cadre of epidemiologists, known worldwide for their *esprit de corps* and service on the front lines (Figure 2), the recognition illuminated a half-century of work in responding to thousands of public health threats around the globe, from polio to toxic shock, asthma to Ebola. The EIS began during the Cold War as a response to the threat of biological warfare and manmade epidemics. In its 50th year, the EIS came full circle when called on to respond to the terrorist attacks in the fall of 2001.

To launch the agency into the 21st century, CDC identified three areas for priority attention. These priority areas were

FIGURE 2. Dr. Koplan (center), of the Epidemic Intelligence Service class of 1972, participates in smallpox-related field care in Bangladesh during the 1970s



Photo/CDC

1) improving the science base to drive public health programs; 2) renovating and investing in the public health infrastructure; and 3) expanding CDC's role in global health.

Maintaining the Basics of Public Health

CDC's accomplishments have always stemmed from broad-based programs grounded in the underpinnings of public health: epidemiology, surveillance, laboratory science, education and communication, policy intervention, and preparedness (3). These programs not only save lives but also improve the quality of life.

Since CDC's early years, the agency has counted immunization among its most vital programs, recognizing it as a core public health activity and perhaps the best example of primary prevention. With measles elimination as the main driver, the National Immunization Program achieved major advances in coverage and health impact and provided lessons for the future.

At the beginning of the 21st century, childhood immunization levels in the United States were at or near record highs, and most vaccine-preventable diseases were at record lows (4). Racial and ethnic disparities in vaccination coverage had also been markedly reduced. As the culmination of a 34-year effort, measles was declared no longer endemic in the nation, and the Western Hemisphere was close to interrupting measles transmission (5) and moving toward elimination of rubella.

Other achievements were less obvious but no less important. As chronicled in *MMWR*, CDC continued to respond routinely to outbreaks and to address risk factors for adverse health outcomes. One of these success stories was the decrease in neural tube defects resulting from the requirement,

as of 1998, that manufacturers add folic acid to enriched flour and non-whole-grain products (6).

Along with the familiar outbreaks of infectious diseases, CDC also tackled a parade of unusual epidemics and new and unforeseen threats. Increased travel and migration, international trade and global transport of foods and other products, economic disruptions, and microbial adaptation accelerated and expanded the movement of disease. A new paramyxovirus, Nipah virus, was identified in 1999 as the cause of an outbreak of severe encephalitis in persons with close contact with pigs in Malaysia and Singapore (7). An outbreak in Saudi Arabia and Yemen in 2000 marked the first appearance of Rift Valley fever outside Africa (8). The summer of 1999 brought West Nile virus to New York City, the first time that this mosquito-borne virus was reported in the Western Hemisphere (9).

CDC renewed its commitment to infectious disease control in the face of these and other threats, including a virulent strain of avian influenza, a human variant of bovine spongiform encephalopathy, and new drug-resistant forms of *Staphylococcus aureus*, plus the heightened awareness of bioterrorism. Noteworthy new programs included FoodNet, an active surveillance network for foodborne disease; PulseNet, a molecular subtyping network that received Innovations in American Government awards in 1999 and 2002; and multifaceted programs to reduce antimicrobial resistance by decreasing unnecessary prescribing of and demand for antibiotics.

Meeting New Public Health Challenges

By 1998, CDC had long since extended its public health mandate to noninfectious conditions. The formation of the National Center for Chronic Disease Prevention and Health Promotion a decade before was a formal acknowledgement of the growing importance of noncommunicable conditions, behaviors, and changing environments as major contributors to death and disability. New programs targeted multiple levels (individual, institutional, community, state, national, and international) to address chronic diseases and their risk factors.

Obesity. CDC was a vanguard in recognizing the nation's growing obesity epidemic, creating solutions based on scientific data and disseminating and popularizing these solutions for maximum impact. Although today the consequences of unhealthy dietary choices, sedentary lifestyles, and "supersized" food portions are familiar, in the late 1990s their potential for harm was underestimated. CDC research published in 1999 documented for the first time the nation's rapidly increasing obesity rates and impending epidemic in all U.S. states, regions, and demographic groups (10).

One novel prevention approach was a campaign to tackle the societal and health problems of inactivity and obesity among U.S. children. In 2001, Congress appropriated \$125 million for CDC to develop a national media campaign to change children's health behaviors. CDC's response to this broad mandate was to address the sedentary lifestyle of "tweens" (i.e., children aged 9–13 years) through VERB, an innovative and expansive campaign based on behavioral science theory and contemporary principles of marketing, which produced measurable positive results (11).

Tobacco. Despite considerable achievements in reducing smoking prevalence, tobacco use was still responsible for one of every five U.S. deaths at the end of the 20th century. In 1999, CDC's Office on Smoking and Health created the National Tobacco Control Program to encourage coordinated efforts to reduce tobacco-related diseases and deaths. The National Youth Tobacco Survey measured the tobacco-related beliefs, attitudes, and behavior of youth and was the first to gather data from both high-school and middle-school students. Findings were used to design strategies for youth-focused antitobacco campaigns.

Violence. After nearly a decade of work, CDC's injury- and violence-prevention programs also were expanding their reach and impact. With the national homicide rate for youth aged <19 years averaging nine deaths per day, CDC issued *Best Practices of Youth Violence Prevention: A Sourcebook for Community Action (12)*, the first publication of its kind to draw on real-world experiences to prevent violence among children and adolescents. CDC also supported a series of unique academic centers of excellence in youth violence prevention at U.S. colleges and universities.

Disparities. As these programs started to reap benefits, rates of decline in adverse health outcomes among certain racial and ethnic groups lagged behind overall declines. Work done by David Satcher as previous CDC director and then as Surgeon General contributed to a new initiative, Racial and Ethnic Approaches to Community Health (REACH). Through the REACH cooperative agreement, CDC began funding frontline coalitions to design, implement, and evaluate community-driven strategies to reduce disparities in cardiovascular disease, diabetes, infant mortality, breast and cervical cancer, immunizations, and HIV/AIDS.

Since its inception, REACH has produced measurable and significant reductions in health risks and improved management of chronic diseases in some of the nation's most disadvantaged and historically intractable communities. Examples include increases in the proportion of African Americans and Hispanics screened for cholesterol and the percentage of Vietnamese women receiving Pap tests (13).

New Infrastructure for a New Millennium

A central goal during this period was strengthening the public health system. New buildings and facilities for CDC's Clifton Road campus provided the most obvious expression of this goal but formed only one piece of the bigger picture. The focus also extended to state and local public health agencies, the public health workforce, and preparedness for bioterrorism and other unforeseen threats.

Master plan for CDC facilities. The start of a new millennium provided an unprecedented opportunity to move CDC into the 21st century with a \$1 billion master plan for consolidation and expansion of facilities. Many CDC staff were working in crowded facilities, some antedating CDC's founding in the 1940s, and in dilapidated spaces converted from animal rooms and closets. Antiquated facilities were impeding efforts to recruit and retain staff and were inadequate to support and sustain the ambitious programs needed to move public health into a new era.

Thanks to the efforts of Dr. Satcher and others, the groundwork for a major expansion and rejuvenation of CDC's Clifton Road facilities had been laid: a master plan had been developed and land procured. The existing facilities plan was accelerated, and whereas much of the previous development of CDC facilities had been piece by piece, a new vision was developed of a true campus and the co-location of formerly disparate groups into cohesive units. The effort focused on development of two primary campuses in Atlanta: Clifton Road and Chamblee. Key national business leaders from the Atlanta community provided crucial support in making the facilities plan a reality. On December 18, 2000, CDC celebrated the opening of its new state-of-the-art research facility, the Edward R. Roybal Laboratory Building, marking the first phase of a decade-long process to give CDC's first-rate employees the firstrate tools they need to protect health and safety.

Workforce capacity development. Beyond building infrastructure through construction projects was the importance of building the capacity of the public health workforce. New challenges in public health generated need for training, strategies, and technologies. The Public Health Prevention Specialist Program, begun in 1997, recruited talented professionals who filled frontline field assignments with state and local agencies. The Leadership Management Institute trained annual cohorts of middle- and senior-level leaders from CDC.

CDC also invested in building public health infrastructure at the state and local levels. The Public Health Practice Program Office played an essential role in supporting state and local health departments and securing their stature as CDC's primary constituents.

Bioterrorism preparedness. As early as 1998, CDC had begun planning to enhance capacity to respond to bioterrorism, and in 1999 awarded funding to states and major cities to improve their public health response to bioterrorist events. Concomitantly, CDC created the Laboratory Response Network to provide the highest level of laboratory expertise and support during responses to naturally occurring as well as intentionally caused outbreaks. Well before any bioterrorism event, CDC also accelerated production of a new smallpox vaccine to protect the population in the event of a smallpox release.

Additional enhancements in bioterrorism preparedness included the Health Alert Network, which links local, state, and federal health agencies and provides an electronic platform for emergency alerts and real-time discussion; the Epidemic Information Exchange (Epi-X), a secure communications tool for sharing health surveillance information; and the National Pharmaceutical Stockpile (now the Strategic National Stockpile), which ensures the rapid delivery of drugs and materiel to the site of a public health emergency. The funding invested in enhancing medical expertise, laboratories, and communication networks to respond to bioterrorism and other emergency situations also reinvigorated the public health infrastructure to deal with everyday community health problems. An MMWR report released in April 2001 outlined steps needed at state and local public health agencies to protect the nation from bioterrorism (14).

A nation challenged. These intense preparedness efforts were tested in the fall of 2001, with two events that in quick succession indelibly changed Americans' beliefs in the invulnerability of their national borders and turned the threat of bioterrorism into a reality. When two commercial aircraft were intentionally crashed into the World Trade Center towers, destroying them and the surrounding areas of lower Manhattan on September 11, 2001, the New York City Department of Health immediately activated its emergency response protocol and began to assess the public health and medical impact of the attack (15).

In response to the events in Manhattan and the related attack on the Pentagon, the Federal Response Plan also was activated. Within hours, the first CDC staff members were en route to New York City, and CDC had delivered a shipment of medical supplies, marking the first emergency mobilization of the National Pharmaceutical Stockpile. The deployment of 34 EIS officers to New York City on September 14 was at that time the largest-ever single deployment to one location.

Within weeks, another defining moment entered the nation's consciousness. On October 4, 2001, CDC and state and local public health authorities reported a case of inhalational anthrax in Florida (16). This was the first recognized case of

anthrax in the United States in a quarter century and the first in U.S. history to result from an intentional act. The ensuing epidemiologic and criminal investigations revealed a series of 22 cases in multiple locations across the Eastern seaboard resulting from intentional delivery of *Bacillus anthracis* spores through mailed letters or packages. Anthrax-laced letters ultimately were implicated in the deaths of five persons. An additional 17 persons were infected, and nearly 30,000 more received prophylactic antibiotics as a consequence of possible exposure to *B. anthracis* spores.

The agency mobilized its resources with characteristic speed, expertise, and resilience. In the largest response in CDC's history, more than 500 epidemiologic, laboratory, industrial hygiene, communications, and other staff were detailed from their regular jobs, laboratories were reassigned to anthrax investigations, field teams were established in the outbreak sites, and researchers worked 24-hour days on the investigation.

The events created formidable challenges in management, coordination, and communication at CDC and brought unprecedented public scrutiny as the agency coped with the evolving outbreak itself and fast-track preparations for its new role in the war on bioterrorism. Public health agencies became part of the government-wide effort to combat bioterrorism, in partnership with agencies responsible for security and law enforcement, emergency response, intelligence, and the military. Preparation for a potential bioterrorism attack spotlighted the importance of identifying unusual health events early and responding rapidly in a highly coordinated fashion to prevent large-scale devastation.

The events also provided vivid examples of the importance of a stronger public health infrastructure. For example, news stories recounting how county and state public health officials investigated the first and subsequent cases of anthrax documented the value of strong local public health capacity (17). The rapid recognition of anthrax by a laboratorian in the Florida Department of Health, who recently had been instructed in anthrax diagnosis at CDC, demonstrated the importance of training and workforce development. In response to this unprecedented attention and recognition, CDC funding to state and local health departments for terrorism preparedness was increased to a historic \$1 billion in fiscal year 2002.

The Shared Agenda of Global Health

On the eve of the new millennium, CDC's global linkages were evident. The spread of infectious diseases from developing to developed countries, the opposite movement of unhealthy habits like smoking and reliance on motor vehicles, and concerns about health security were creating

a common public health agenda worldwide, and CDC was committed to expanding its activities in support of global health (18). This involved forging stronger ties with the World Health Organization (WHO), recognizing that its successes and CDC's were integrally aligned, and enhancing existing ties with the World Bank to address the development challenges of the 21st century.

With the worldwide eradication of polio seemingly within reach, CDC created the STOP (Stop Transmission of Polio) program in 1998, in collaboration with WHO and other partners. Modeled on the teams recruited from CDC to interrupt transmission of smallpox in the final phase of eradication, the program mobilized short-term CDC teams to provide field support for local polio eradication efforts.

CDC's Global AIDS Program (GAP) began in 2000 and now works in 25 countries with a budget of more than \$700 million. GAP leverages CDC's efforts to prevent HIV infection, improve care, and build capacity to address the growing global HIV/AIDS pandemic. The program provides financial and technical assistance through partnerships with communities, governments, and national and international entities working in resource-constrained countries.

CDC also pioneered programs to extend global public health efforts beyond infectious disease control. In collaboration with WHO's Tobacco Free Initiative, CDC was involved in global surveillance to monitor tobacco use, and the two agencies provided technical assistance to nations administering the Global Youth Tobacco Survey to track smoking prevalence, exposure, and attitudes.

Conclusion

At the turn of the 21st century, several truisms about public health held CDC in good stead. First was the primacy of state and local health departments and the vital base of infrastructure, not just CDC buildings, but adequate resources throughout the system, a well-trained and well-equipped workforce, and capable state and local partners. Another principle was the importance of looking ahead to anticipate new threats and ensure the capacity to address them, as CDC did with the threat of bioterrorism, the early recognition of the obesity epidemic, and the recognition of the global implications of tobacco use. Above all, CDC was able to maintain and strengthen its "branding" as an institution of high scientific integrity, a provider of effective and timely public health interventions, and a reliable and understanding partner for domestic health agencies and global organizations.

Jeffrey P. Koplan, M.D., M.P.H., came to CDC as an Epidemic Intelligence Service officer in 1972. He served as director of CDC's National Center for Chronic Disease Prevention and Health Promotion during 1988–1994. From 1995 to 1998, he was president of the Prudential Center for Health Care Research, then returned to serve CDC as director of the agency from 1998 to 2002. He is currently Vice President of Academic Health Affairs at Emory University's Woodruff Health Science Center and director of Emory's Global Health Institute.

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Notice to Readers

Final 2006 Reports of Nationally Notifiable Infectious Diseases

The tables listed on pages 853–863 summarize finalized data from the National Notifiable Diseases Surveillance System (NNDSS) for 2006, as of June 30, 2007. These data will be published in greater detail in the *Summary of Notifiable Diseases, United States, 2006 (1)*. Because no cases of diphtheria, neuroinvasive or non-neuroinvasive western equine encephalitis virus disease, paralytic poliomyelitis, severe acute respiratory syndrome-associated coronavirus syndrome, smallpox, or yellow fever, and no varicella deaths were reported in the United States during 2006, these diseases do not appear in these early release tables.

Policies for reporting NNDSS data to CDC can vary by disease or reporting jurisdiction depending on case status classification (i.e., confirmed, probable, or suspected) and other factors.* Publication criteria used for the 2006 finalized tables

are listed in the "Print Criteria" column of the revised January 2007 NNDSS event code list, available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.

The NNDSS website is updated annually to include the latest national surveillance case definitions approved by the Council of State and Territorial Epidemiologists for enumerating data on nationally notifiable infectious diseases.

Population estimates for states are from the National Center for Health Statistics. Estimates of the July 1, 2000–July 1, 2005, United States resident population are from the Vintage 2005 postcensal series by year, county, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement with the U.S. Census Bureau and available at http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm. Population estimates for territories are 2005 estimates from the U.S. Census Bureau (2).

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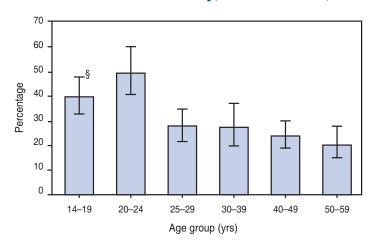
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^{*}CDC is upgrading its national surveillance data management system for human immunodeficiency virus (HIV) and acquired immunodeficiency syndrome (AIDS). During this transition, CDC is not updating AIDS or HIV infection surveillance data. Therefore, no updates are provided for HIV and AIDS data in this release of the Final 2006 Reports of Nationally Notifiable Infectious Diseases.

QuickStats

FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

Prevalence of HPV* Infection[†] Among Sexually Active Females Aged 14–59 Years, by Age Group — National Health and Nutrition Examination Survey, United States, 2003–2004



- * Human papillomavirus.
- [†] Determined by DNA extraction from self-collected cervicovaginal swabs.
- § 95% confidence interval.

Among sexually active females (i.e., 57% of females aged 14–19 years and 97% of those aged 20–59 years), the prevalence of HPV infection was highest for those in the youngest age groups (i.e., approximately 40% in those aged 14–19 years and 50% in those aged 20–24 years). Prevalence declined substantially after age 24 years.

SOURCES: National Health and Nutrition Examination Survey, 2003–2004. Available at http://www.cdc.gov/nchs/about/major/nhanes/nhanes/2003-2004/nhanes/04.htm.

Dunne EF, Unger ER, Sternberg M, et al. Prevalence of HPV infection among females in the United States. JAMA 2007;297:813–9.

TABLE 2. Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| | Total resident population | | | Botulism | | |
|-------------------------------------|---------------------------|--------------|-----------|-------------------|--------------|-------------|
| Area | (in thousands) | Anthrax | Foodborne | Infant | Other† | Brucellosis |
| United States | 296,410 | 1 | 20 | 97 | 48 | 121 |
| New England | 14,239 | _ | _ | 1 | _ | 3 |
| Connecticut | 3,510 | _ | _ | _ | _ | _ |
| Maine Massachusetts | 1,321 6,399 | _ | _ | _ 1 | _ | |
| New Hampshire | 1,310 | _ | _ | _ | _ | _ |
| Rhode Island Vermont | 1,076 623 | _ | _ | _ | _ | 1 |
| Mid. Atlantic | 40,402 | 1 | _ | 16 | 3 | 2 |
| New Jersey | 8,718 | _ | _ | 7 | _ | 1 |
| New York (Upstate) New York City | 11,111 8,143 | _ | _ | 1 | | _ |
| Pennsylvania | 12,430 | _ | _ | 8 | - | 1 |
| E.N. Central | 46,156 | _ | 1 | 2 | _ | 14 |
| Illinois | 12,763 | _ | 1 | _ | _ | 8 |
| Indiana Michigan | 6,272 10,121 | _ | _ | _ | _ | 1 3 |
| Ohio | 11,464 | _ | _ | 2 | _ | 2 |
| Wisconsin | 5,536 | _ | _ | _ | _ | _ |
| W.N. Central | 19,816 | _ | _ | 1 | _ | 12 |
| Iowa Kansas | 2,966 2,745 | _ | _ | 1 | _ | 2 3 |
| Minnesota | 5,133 | _ | _ | _ | _ | 3 |
| Missouri | 5,800 | _ | _ | _ | _ | 1 |
| Nebraska North Dakota | 1,759 637 | _ | _ | _ | _ | 3 |
| South Dakota | 776 | _ | _ | _ | _ | _ |
| S. Atlantic | 56,180 | _ | 5 | 6 | 1 | 19 |
| Delaware District of Columbia | 844 551 | _ | _ | _ | _ _ | 1 |
| Florida | 17,790 | _ | <u> </u> | _ | _ | 5 |
| Georgia | 9,073 | _ | 3 | _ | - | 5 |
| Maryland North Carolina | 5,600 8,683 | _ | <u> </u> | <u>5</u> | <u>1</u> | 5 3 2 |
| South Carolina | 4,255 | _ | <u>.</u> | _ | _ | 3 |
| Virginia West Virginia | 7,567 1,817 | _ | _ | <u> </u> | _ | _ |
| • | | | _ | | _ | |
| E.S. Central Alabama | 17,615 4,558 | _ | _ | <u>1</u> | _ | 3 1 |
| Kentucky | 4,173 | _ | _ | _ | _ | 1 |
| Mississippi Tennessee | 2,921 5,963 | _ | _ | _ 1 | _ | |
| W.S. Central | 33,711 | | | 5 | 1 | 20 |
| Arkansas | 2,779 | _ | _ | - | | 20 — |
| Louisiana | 4,524 | _ | _ | _ | _ | _ |
| Oklahoma Texas | 3,548 22,860 | _ | _ | _ 5 | <u> </u> | 2 18 |
| Mountain | 20,291 | _ | 2 | 12 | · _ | 12 |
| Arizona | 5,939 | _ | _ | 5 | _ | 4 |
| Colorado | 4,665 | _ | _ | 1 | _ | 4 |
| ldaho Montana | 1,429 936 | _ | _ | | _ | _ |
| Nevada | 2,415 | _ | 2 | 1 | _ | 3 |
| New Mexico Utah | 1,928 2,470 | _ | _ | 1 3 | _ | |
| Wyoming | 509 | _ | _ | _ | _ | 1 |
| Pacific | 48,000 | _ | 12 | 53 | 43 | 36 |
| Alaska | 664 | _ | 6 | _ | _ | _ |
| California Hawaii | 36,132 1,275 | _ | 6 | 44 | 42 — | 34 2 |
| Oregon | 3.641 | _ | _ | _ | _ | _ |
| Washington | 6,288 | _ | _ | 9 | 1 | _ |
| American Samoa | 58 80 | _ | _ | _ | _ | _ |
| C.N.M.I. Guam | 80 169 | _ | _ | _ | _ | _ |
| Puerto Rico | 3,912 | _ | _ | _ | N | _ |
| U.S. Virgin Islands | 109 | _ | | _ | _ | |

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

^{*} No cases of diphtheria; neuroinvasive or non-neuroinvasive western equine encephalitis virus disease, paralytic poliomyelitis, severe acute respiratory syndrome-associated coronavirus (SARS-CoV), smallpox, and yellow fever, or varicella deaths were reported in 2006. Data on chronic hepatitis B and hepatitis C virus infection (past or present) are not included because they are undergoing data quality review. CDC is upgrading its national surveillance data management system for human immunodeficiency virus (HIV) and acquired immunodeficiency syndrome (AIDS). During this transition, CDC is not updating AIDS or HIV infection surveillance data. Therefore, no updates are provided for HIV and AIDS data in this release of the Final 2006 Reports of Nationally Notifiable Infectious Diseases.

Includes cases reported as wound and unspecified botulism.

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| Area | Chancroid [§] | Chlamydia ¹ | Cholera | Coccidioidomycosis | Cryptosporidiosis | Cyclosporiasis |
|----------------------------------|------------------------|------------------------|---------|--------------------|-------------------|----------------|
| United States | 33 | 1,030,911 | 9 | 8,917 | 6,071 | 137 |
| New England | _ | 34,976 | _ | _ | 379 | 14 |
| Connecticut | _ | 10,946 | _ | N | 38 | 11 |
| Maine Massachusetts | _ | 2,306 15,394 | _ | _ | 52 175 | |
| New Hampshire | N | 1,997 | _ | _ | 47 | _ |
| Rhode Island Vermont | N | 3,142 1,191 | _ | N | 14 53 | 1 |
| | | | | | | |
| Mid. Atlantic New Jersey | 5 — | 128,401 20,194 | 2 1 | N | 667 42 | 40 8 |
| New York (Upstate) | 1 | 27,488 | _ | N | 184 | 2 |
| New York City | 4 | 41,232 | 1 | N | 155 | 23 |
| Pennsylvania | | 39,487 | _ | N | 286 | 7 |
| E.N. Central Illinois | 1 | 170,494 53,586 | 1 1 | 46 — | 1,350 204 | 4 1 |
| Indiana | _ | 19,859 | _ | _ | 113 | i |
| Michigan | 1 | 36,753 | _ | 40 | 144 | _ |
| Ohio Wisconsin | _ | 40,106 20,190 | _ | 6 N | 357 532 | |
| | | | | | | |
| W.N. Central lowa | N | 62,017 8,390 | _ | 56 N | 892 176 | 4 |
| Kansas | _ | 7,829 | _ | N | 82 | _ |
| Minnesota | _ | 12,935 | _ | 54 | 242 | 4 |
| Missouri Nebraska | N | 22,982 5,428 | _ | 2 N | 188 98 | N |
| North Dakota | N | 1,820 | _ | N | 20 | N |
| South Dakota | _ | 2,633 | _ | N | 86 | _ |
| S. Atlantic | 21 | 199,732 | _ | 6 | 1,222 | 65 |
| Delaware District of Columbia | _ | 3,615 3,368 | _ | 1 | 15 17 | 1 4 |
| Florida | 1 | 48,955 | _ | N | 577 | 31 |
| Georgia | _ | 38,972 | _ | N | 275 | 19 |
| Maryland North Carolina | 5 | 21,859 33,615 | _ | <u>5</u> | 20 101 | 2 |
| South Carolina | 14 | 22,351 | _ | N | 131 | 5 |
| Virginia | 1 | 24,087 | _ | N | 71 | _ |
| West Virginia | _ | 2,910 | _ | N | 15 | - |
| E.S. Central Alabama | _ | 76,177 22,915 | _ | N | 188 72 | 4 N |
| Kentucky | _ | 8,940 | _ | N | 44 | N |
| Mississippi | _ | 19,002 | _ | N | 24 | N |
| Tennessee | _ | 25,320 | _ | N | 48 | 4 |
| W.S. Central Arkansas | 6 | 114,679 8,259 | 4 | 1 N | 438 29 | 2 |
| Louisiana | 1 | 17,885 | 4 | 1 | 86 | _ |
| Oklahoma | N | 12,992 | _ | N | 50 | 1 |
| Texas | 5 | 75,543 | _ | N | 273 | 1 |
| Mountain | _ | 71,139 | _ | 5,677 | 416 | 1 |
| Arizona Colorado | _ | 24,090 16,313 | _ | 5,535 N | 29 77 | _ |
| Idaho | _ | 3,345 | _ | N | 38 | N |
| Montana Nevada | _ | 2,650 | _ | N | 141 | N |
| Nevada New Mexico | _ | 8,398 9,829 | _ | 62 22 | 14 45 | <u>_</u> |
| Utah | _ | 5,092 | _ | 56 | 21 | <u>.</u> |
| Wyoming | _ | 1,422 | _ | 2 | 51 | _ |
| Pacific | | 173,296 | 2 | 3,131 | 519 | 3 |
| Alaska California | <u>N</u> | 4,525 135,827 | | N 3,131 | 4 340 | N |
| Hawaii | N | 5,548 | _ | 3,131 N | 4 | N |
| Oregon | _ | 9,577 | _ | N | 76 | 2 |
| Washington | _ | 17,819 | _ | N | 95 | 1 |
| American Samoa | N | _ | _ | N | N | N |
| C.N.M.I. Guam | _ | — 832 | _ | _ | _ | _ |
| Puerto Rico | N | 5,102 | _ | N | N | N |
| U.S. Virgin Islands | _ | 203 | | | _ | _ |

N: Not notifiable. U: Unavailable

^{—:} No reported cases.

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

Totals reported to the Division of STD Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD and TB Prevention (NCHHSTP), as of June 22, 2007. Totals reported to the Division of STD Prevention, NCHHSTP, as of June 22, 2007. Chlamydia refers to genital infections caused by *Chlamydia trachomatis*.

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| | Domestic arboviral diseases** California saragraup Fastern aguine Powassan St Louis West Nile | | | | | | | | | | | |
|-------------------------------------|--|-----------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|--|--|
| | California serogroup | | Eastern equine | | Pow | assan | St. | Louis | We | st Nile | | |
| Area | Neuro- invasive | Nonneuro- invasive | Neuro- invasive | Nonneuro- invasive | Neuro- invasive | Nonneuro- invasive | Neuro- invasive | Nonneuro- invasive | Neuro- invasive | Nonneuro- invasive | | |
| Jnited States | 64 | 3 | 8 | _ | 1 | _ | 7 | 3 | 1,495 | 2,774 | | |
| New England | _ | _ | 5 | _ | _ | _ | 1 | _ | 9 | 3 | | |
| Connecticut Maine | _ | _ | _ | _ | _ | _ | _ | _ | 7 | 2 | | |
| /lassachusetts | _ | _ | 5 | _ | _ | _ | _ | _ | 2 | 1 | | |
| New Hampshire Rhode Island | _ | _ | _ | _ | _ | _ | 1 | _ | _ | _ | | |
| rnode island /ermont | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | | |
| /lid. Atlantic | _ | _ | _ | _ | _ | _ | _ | _ | 26 | 12 | | |
| lew Jersey | _ | _ | _ | _ | _ | _ | _ | _ | 2 | 3 | | |
| New York (Upstate) New York City | _ | _ | _ | _ | _ | _ | _ | _ | 8 8 | 4 4 | | |
| Pennsylvania | _ | _ | _ | _ | _ | _ | _ | _ | 8 | i | | |
| .N. Central | 18 | 1 | _ | _ | 1 | _ | 1 | _ | 244 | 175 | | |
| llinois ndiana | | _ | _ | _ | _ | _ | _ | _ | 127 | 88 53 | | |
| ndiana Michigan | 2 | _ | _ | _ | _ | _ | _ | _ | 27 43 | 12 | | |
| Ohio | 11 | _ | _ | _ | _ | _ | 1 | _ | 36 | 12 | | |
| Visconsin | 2 | 1 | _ | _ | 1 | _ | _ | _ | 11 | 10 | | |
| V.N. Central | 2 | _ | _ | _ | _ | _ | 1 | _ | 224 | 484 | | |
| owa Kansas | 1 | _ | _ | _ | _ | _ | _ | _ | 22 17 | 15 13 | | |
| Minnesota | 1 | _ | _ | _ | _ | _ | _ | _ | 31 | 34 | | |
| Missouri | _ | _ | _ | _ | _ | _ | 1 | _ | 51 | 11 | | |
| Nebraska North Dakota | _ | _ | _ | _ | _ | _ | _ | _ | 45 20 | 219 117 | | |
| South Dakota | _ | _ | _ | _ | _ | _ | _ | _ | 38 | 75 | | |
| S. Atlantic | 35 | 1 | 2 | _ | _ | _ | _ | _ | 18 | 14 | | |
| Delaware | _ | <u>.</u> | _ | _ | _ | _ | _ | _ | _ | _ | | |
| District of Columbia Florida | <u> </u> | _ | _ | _ | _ | _ | _ | _ | 3 | 2 | | |
| Georgia | | 1 | 1 | _ | _ | _ | _ | _ | 2 | <u> </u> | | |
| Maryland | _ | <u>.</u> | _ | _ | _ | _ | _ | _ | 10 | 1 | | |
| North Carolina South Carolina | 17 1 | _ | 1 | _ | _ | _ | _ | _ | 1 1 | _ | | |
| /irginia | | _ | _ | _ | _ | _ | _ | _ | <u>.</u> | 5 | | |
| West Virginia | 16 | _ | _ | _ | _ | _ | _ | _ | 1 | _ | | |
| E.S. Central | 7 | _ | _ | _ | _ | _ | 1 | _ | 118 | 101 | | |
| Alabama Kentucky | _ | _ | _ | _ | _ | _ | _ 1 | _ | 8 5 | _ 1 | | |
| Mississippi | _ | _ | _ | _ | | _ | | _ | 89 | 94 | | |
| Tennessee | 7 | _ | _ | _ | _ | _ | _ | _ | 16 | 6 | | |
| V.S. Central | 2 | 1 | 1 | _ | _ | _ | 2 | 1 | 375 | 236 | | |
| Arkansas ₋ouisiana | | _ 1 | _ 1 | _ | _ | _ | | _ | 24 91 | 5 89 | | |
| Dklahoma | _ | | | _ | _ | _ | _ | _ | 27 | 21 | | |
| Гехаѕ | _ | _ | _ | _ | _ | _ | _ | 1 | 233 | 121 | | |
| Mountain | _ | _ | _ | _ | _ | _ | 1 | 2 | 393 | 1,487 | | |
| Arizona Colorado | _ | _ | _ | _ | _ | _ | 1 | 1 | 68 66 | 82 279 | | |
| daho | _ | _ | _ | _ | _ | _ | _ | 1 | 139 | 279 857 | | |
| Montana | _ | _ | _ | _ | _ | _ | _ | _ | 12 | 22 | | |
| Nevada New Mexico | _ | _ | _ | _ | _ | _ | _ | _ | 34 3 | 90 5 | | |
| Jtah | _ | _ | _ | _ | _ | = | _ | | 56 | 102 | | |
| Vyoming | _ | _ | _ | _ | _ | _ | _ | _ | 15 | 50 | | |
| Pacific | _ | _ | _ | _ | _ | _ | _ | _ | 88 | 262 | | |
| Alaska California | _ | _ | _ | _ | _ | _ | _ | _ | — 81 | 197 | | |
| Jaiitornia Hawaii | _ | _ | _ | _ | _ | _ | _ | _ | - 81 | 197 | | |
| Oregon | _ | _ | _ | _ | _ | _ | _ | _ | 7 | 62 | | |
| Washington | _ | _ | _ | _ | _ | _ | _ | _ | _ | 3 | | |
| American Samoa | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | | |
| C.N.M.I. Guam | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | | |
| Puerto Rico | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | | |
| J.S. Virgin Islands | _ | _ | _ | _ | _ | _ | _ | _ | _ | _ | | |

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

** Totals reported to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (NCZVED) (ArboNET Surveillance), as of June 1, 2007.

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| | neported cases | Ehrlichiosis | | | ied States, 2000 |
|---|----------------------------------|---|-------------------------------------|---|---|
| Area | Human granulocytic | Human monocytic | Human (other & unspecified) | Giardiasis | Gonorrhea ^{††} |
| United States | 646 | 578 | 231 | 18,953 | 358,366 |
| New England Connecticut Maine Massachusetts New Hampshire | 90 37 10 30 | 13 4 6 1 | 10 — 1 1 | 1,456 307 192 621 26 | 5,936 2,610 137 2,429 180 |
| Rhode Island Vermont | 13 — | 2 | 8 — | 117 193 | 508 72 |
| Mid. Atlantic New Jersey New York (Upstate) New York City Pennsylvania | 285 49 206 29 1 | 208 67 125 16 — | 1 N 1 — | 3,611 476 1,375 936 824 | 34,417 5,492 7,160 10,299 11,466 |
| E.N. Central Illinois Indiana Michigan Ohio Wisconsin | 56 6 1 1 48 | 37 23 4 2 5 5 | 123 3 - 120 | 2,806 695 N 715 809 587 | 70,712 20,186 8,732 15,677 19,190 6,927 |
| W.N. Central lowa Kansas Minnesota Missouri Nebraska North Dakota South Dakota | 182 N 177 2 3 — | 92 N — 19 73 — — | 25 N 24 1 | 2,307 303 198 1,001 548 122 38 97 | 19,636 1,966 2,210 3,303 10,204 1,433 153 367 |
| S. Atlantic Delaware District of Columbia Florida Georgia Maryland North Carolina South Carolina Virginia West Virginia | 18 7 1 2 5 1 2 | 118 14 — 5 14 25 54 4 2 | 54 45 3 2 4 | 2,858 43 69 1,165 642 256 — 112 514 57 | 89,406 1,485 1,887 23,976 19,669 7,328 17,312 10,320 6,476 953 |
| E.S. Central Alabama Kentucky Mississippi Tennessee | 3 2 - 1 | 35 2 4 — 29 | 5 5 | 465 224 N N 241 | 31,147 10,665 3,277 7,511 9,694 |
| W.S. Central Arkansas Louisiana Oklahoma Texas | 10 2 — 8 — | 75 32 1 39 3 | 11 6 1 4 | 401 148 87 166 N | 50,589 4,306 10,883 4,951 30,449 |
| Mountain Arizona Colorado Idaho Montana Nevada New Mexico Utah Wyoming | 1 | N N | 1 N N 1 | 1,709 163 554 190 103 110 80 471 38 | 15,576 5,949 3,695 206 194 2,791 1,733 888 120 |
| Pacific Alaska California Hawaii Oregon Washington | 1 N N 1 N | | 1 N 1 N | 3,340 113 2,303 58 417 449 | 40,947 630 33,740 885 1,461 4,231 |
| American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands | N N N | N N N | N N N | N — 5 276 — | — 98 302 34 |

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

N: Not notifiable. U: Unavailable. —: No reported cases. C.N Totals reported to the Division of STD Prevention, NCHHSTP, as of June 22, 2007.

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| | H | aemophilus influen | zae, invasive diseas | e | | | Hemolytic |
|-------------------------------------|---------------------|--------------------|----------------------------|---------------------|--------------------------------|-------------------------------------|--------------------------------------|
| Area | All ages, serotypes | Serotype b | Age <5 years Nonserotype b | Unknown serotype | Hansen disease (leprosy) | Hantavirus pulmonary syndrome | uremic syndrome, postdiarrheal |
| United States | 2,436 | 29 | 175 | 179 | 66 | 40 | 288 |
| New England | 195 | _ | 15 | 4 | 2 | - | 16 |
| Connecticut | 48 | _ | 3 | _ | _ | N | 5 |
| Maine Massachusetts | 21 85 | _ | 2 7 | 1 1 | N 1 | _ | 6 4 |
| New Hampshire | 16 | _ | _ | 1 | 1 | _ | _ |
| Rhode Island Vermont | 16 9 | _ | 2 1 | _ 1 | N | _ | <u> </u> |
| Mid. Atlantic | 499 | 6 | 15 | 44 | 4 | _ | 21 |
| New Jersey | 90 | _ | _ | 14 | 1 | _ | 7 |
| New York (Upstate) New York City | 158 90 | 1 | 3 | 8 14 | N 3 | _ | 8 6 |
| Pennsylvania | 161 | 5 | 12 | 8 | _ | | N |
| E.N. Central | 395 | _ | 19 | 39 | 4 | _ | 42 |
| Illinois | 120 | _ | _ | 20 | 3 | _ | 8 |
| Indiana Michigan | 81 32 | _ | 8 5 | _ 1 | _ | _ | <u> </u> |
| Ohio | 93 | _ | 6 | 7 | _ | _ | 15 |
| Wisconsin | 69 | _ | _ | 11 | 1 | _ | 14 |
| W.N. Central | 180 2 | 3 1 | 14 | 5 — | 2 | 4 | 48 |
| Iowa Kansas | 20 | | _ | 3 | <u>1</u> | _ | 9 1 |
| Minnesota | 98 | 2 | 14 | _ | - | _ | 19 |
| Missouri Nebraska | 39 10 | _ | _ | 1_ | 1 | _ | 8 9 |
| North Dakota | 11 | _ | _ | 1 | N | 2 | 1 |
| South Dakota | _ | _ | _ | _ | _ | 2 | 1 |
| S. Atlantic | 579 | 6 | 35 | 25 | 8 | _ | 27 |
| Delaware District of Columbia | 1 9 | _ | _ | | _ | _ | _ |
| Florida | 167 | 3 | 11 | 5 | 7 | _ | 5 |
| Georgia Maryland | 122 83 | 2 | 10 | 18 — | <u>N</u> | _ | 8 N |
| North Carolina | 61 | _ | 5 | _ | _ | _ | 8 |
| South Carolina | 40 | 1 | 4 | _ | - | _ | 2 |
| Virginia West Virginia | 69 27 | _ | 3 2 | _ | 1 N | _ | 2 2 |
| E.S. Central | 117 | _ | 6 | 17 | | _ | 25 |
| Alabama | 23 | _ | 1 | 4 | _ | N | 2 |
| Kentucky | 5 | _ | _ | 1 | _ | _ | N |
| Mississippi Tennessee | 13 76 | _ | <u> </u> | 3 9 | _ | _ | 23 |
| W.S. Central | 122 | 5 | 10 | 11 | 11 | 2 | 18 |
| Arkansas | 10 | _ | _ | 4 | 2 | _ | _ |
| Louisiana Oklahoma | 23 78 | _ | 10 | 6 1 | _ | _ | |
| Texas | 11 | 5 | - | | 9 | 2 | 16 |
| Mountain | 217 | 4 | 42 | 12 | 4 | 28 | 32 |
| Arizona | 88 | 3 | 19 | 7 | _ | 9 | 1 |
| Colorado Idaho | 51 7 | _ | 8 5 | <u>_</u> | N 1 | 6 2 | 8 4 |
| Montana | _ | _ | _ | <u> </u> | _ | _ | _ |
| Nevada New Mexico | 14 33 | <u>_</u> | 2 4 | <u> </u> | 1 1 | 2 8 | 3 4 |
| Utah | 19 | _ | 4 | 2 | i | _ | 12 |
| Wyoming | 5 | _ | _ | 1 | _ | 1 | _ |
| Pacific | 132 | 5 | 19 | 22 | 31 | 6 | 59 |
| Alaska California | 12 40 | 4 | 18 | 6 4 | 1 19 | N 3 | N 47 |
| Hawaii | 21 | _ | _ | 2 | 11 | _ | _ |
| Oregon | 54 | _ | _ | 7 | N | _ 3 | 11 |
| Washington | 5 | 1 | 1 | 3 | N | | 1 |
| American Samoa C.N.M.I. | _ | _ | _ | _ | _ | <u>N</u> | <u>N</u> |
| Guam | 1 | _ | _ | _ | 3 | N | _ |
| Puerto Rico U.S. Virgin Islands | 3 | _ | _ | 1 | 2 | N | N |
| U.S. VIIGITISIATIUS | | | | | | | |

N: Not notifiable.

U: Unavailable.

—: No reported cases.

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

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| TABLE 2. (Cont. | | Hepatitis, viral, aci | | Influenza- associated | grapnic divisio | ii ailu aiea — c | | 2000 |
|---|---|--|---|--|---|---|---|--|
| Area | A | В | С | pediatric mortality ^{§§} | Legionellosis | Listeriosis | Lyme disease | Malaria |
| United States New England Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont | 3,579 182 44 8 84 22 16 8 | 4,713 120 49 26 19 11 11 | 766 40 14 2 — N 1 23 | 43 3 1 — — — 1 1 | 2,834 190 59 11 69 15 28 8 | 884 62 19 6 22 7 6 2 | 19,931 4,588 1,788 338 1,432 617 308 105 | 1,474 61 13 4 29 10 4 |
| Mid. Atlantic New Jersey New York (Upstate) New York City Pennsylvania | 400 111 102 120 67 | 538 164 82 120 172 | 179 90 44 — 45 | 8 1 — 5 2 | 984 120 345 185 334 | 213 42 60 36 75 | 10,134 2,432 4,155 305 3,242 | 362 90 50 173 49 |
| E.N. Central Illinois Indiana Michigan Ohio Wisconsin W.N. Central Iowa Kansas Minnesota Missouri Nebraska North Dakota South Dakota | 362 109 33 125 53 42 145 13 27 31 44 18 3 | 509 132 80 141 123 33 152 21 11 32 62 20 1 | 128 13 3 104 7 1 38 — 11 27 — | 2 — 1 1 N 2 — 2 — — | 612 128 54 151 231 48 85 12 10 26 22 9 | 130 31 21 18 44 16 36 6 4 7 12 4 | 1,700 110 26 55 43 1,466 1,039 97 4 914 5 | 165 83 13 21 29 19 73 2 8 50 6 4 2 |
| S. Atlantic Delaware District of Columbia Florida Georgia Maryland North Carolina South Carolina Virginia West Virginia | 550 13 10 213 56 60 104 24 64 6 | 1,237 47 9 420 205 148 159 97 78 74 | 99 3 2 18 8 16 19 — 9 24 | 4 1 N 1 2 | 497 12 33 167 38 109 42 8 68 20 | 167 2 2 47 20 28 25 9 20 | 2,270 482 62 34 8 1,248 31 20 357 28 | 338 5 5 61 88 79 32 10 55 3 |
| E.S. Central Alabama Kentucky Mississippi Tennessee | 125 13 33 9 70 | 332 95 69 13 155 | 80 11 36 4 29 | 1 N 1 — | 112 10 48 5 49 | 25 7 3 2 13 | 36 11 7 3 15 | 25 9 4 6 6 |
| W.S. Central Arkansas Louisiana Oklahoma Texas | 427 48 38 11 330 | 1,079 87 63 96 833 | 85 1 9 19 56 | 1 1 N | 94 4 11 10 69 | 56 4 6 5 41 | 30 — 1 — 29 | 129 4 9 10 106 |
| Mountain Arizona Colorado Idaho Montana Nevada New Mexico Utah Wyoming | 286 179 44 9 11 11 16 14 2 | 147 U 34 15 5 42 24 26 1 | 52 | 8 2 2 N — — 3 — | 125 38 27 11 7 11 5 26 — | 37 7 12 — 1 9 6 2 | 31 10 7 1 4 3 5 | 77 23 24 1 2 4 5 |
| Pacific Alaska California Hawaii Oregon Washington | 1,102 2 992 12 44 52 | 599 8 427 8 82 74 | 65 — 25 6 11 23 | 14 N 14 — N N | 135 1 96 — 18 20 | 158 N 124 4 12 | 103 3 85 N 7 8 | 244 23 157 8 13 43 |
| American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands | 1 76 — | | _ _ _ | N N | N 1 | N N — | N — N — | |

N: Not notifiable. U: Unav

^{—:} No reported cases.

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

^{§§} Totals reported to the Division of Influenza, National Center for Immunization and Respiratory Diseases (NCIRD), as of June 29, 2007.

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| TABLE 2. (OOM | naca) reported | cases of notine | ibic discuses, | by geographic divi | ingococcal disea | | 2000 |
|-------------------------------------|--------------------|-----------------------|----------------|-------------------------------|------------------|-----------------|----------------------|
| Area | Meas Indigenous | Imported [¶] | All serogroups | Serogroup A, C, Y, & W-135 | Serogroup B | Other serogroup | Serogroup unknown |
| United States | 24 | 31 | 1,194 | 318 | 193 | 32 | 651 |
| New England Connecticut | 17 — | 3 | 52 10 | 26 9 | 17 1 | 3 | <u>6</u> |
| Maine Massachusetts | 17 | | 9 24 | 1 14 | 6 7 | 2 1 | |
| New Hampshire | | 1 | 4 | _ | ' | | 4 |
| Rhode Island Vermont | | _ | 2 3 | 2 | 3 | _ | _ |
| Mid. Atlantic | 6 | 7 | 174 | 48 | 18 | 1 | 107 |
| New Jersey | _ | 1 | 24 | _ | _ | _ | 24 |
| New York (Upstate) New York City | 4 | 3 3 | 40 58 | 26 — | 10 | _ | 4 58 |
| Pennsylvania | 2 | _ | 52 | 22 | 8 | 1 | 21 |
| E.N. Central | _ | 2 | 173 | 41 | 31 | 3 | 98 |
| Illinois Indiana | _ | <u> </u> | 46 24 | 7 | 12 | _ | 46 5 |
| Michigan | _ | 1 | 30 | 14 | 2 | 3 | 11 |
| Ohio Wisconsin | _ | _ | 48 25 | 20 — | 17 — | _ | 11 25 |
| W.N. Central | _ | 3 | 70 | 35 | 19 | 1 | 15 |
| lowa | _ | _ | 20 | 14 | 4 | _ | 2 |
| Kansas Minnesota | _ | 1 1 | 5 16 | 2 10 | 1 5 | _ | 2 1 |
| Missouri | _ | 1 | 15 | 6 | 7 | _ | 2 |
| Nebraska North Dakota | _ | _ | 6 4 | _ | <u>1</u> | 1 | 4 4 |
| South Dakota | _ | _ | 4 | 3 | 1 | _ | _ |
| S. Atlantic | 1 | 5 | 215 | 89 | 52 | 7 | 67 |
| Delaware District of Columbia | _ | _ | 6 2 | _ | _ | _ | 6 2 |
| Florida | _ | 4 | 79 | 40 | 10 | 3 | 26 |
| Georgia Maryland | 1 | 1 | 19 16 | 8 11 | 9 4 | 1 | 1 1 |
| North Carolina | _ | _ | 34 26 | 12 | 8 | <u>2</u> | 12 10 |
| South Carolina Virginia | _ | _ | 20 22 | 5 5 | 11 8 | _ | 9 |
| West Virginia | _ | _ | 11 | 8 | 2 | 1 | _ |
| E.S. Central Alabama | _ | _ | 50 7 | <u>1</u> | 6 1 | <u>2</u> | 41 6 |
| Kentucky | _ | _ | 11 | _ | _ | _ | 11 |
| Mississippi Tennessee | _ | _ | 7 25 | _ 1 | <u> </u> | | 7 17 |
| W.S. Central | | | 107 | 27 | 21 | 10 | 49 |
| Arkansas | _ | _ | 11 | 1 | 2 | - | 8 |
| Louisiana Oklahoma | _ | _ | 36 15 | 13 2 | 4 4 | | 19 1 |
| Texas | _ | _ | 45 | 11 | 11 | 2 | 21 |
| Mountain | _ | 1 | 71 | 38 | 10 | 5 | 18 |
| Arizona Colorado | _ | | 16 22 | 4 16 | 4 1 | 1 3 | 7 2 |
| Idaho | _ | <u>.</u> | 4 | 1 | _ | _ | 3 2 |
| Montana Nevada | _ | _ | 6 7 | 3 4 | 1 3 | _ | <u>2</u> |
| New Mexico | _ | _ | 6 | 6 | _ | _ | _ |
| Utah Wyoming | _ | _ | 6 4 | <u>4</u> | 1 — | <u>1</u> | 4 |
| Pacific | _ | 10 | 282 | 13 | 19 | _ | 250 |
| Alaska | _ | _ | 4 | _ | _ | _ | 4 |
| California Hawaii | _ | <u>6</u> | 184 10 | _ | _ | _ | 184 10 |
| Oregon | _ | 2 | 41 | | _ | _ | 41 |
| Washington | _ | 2 | 43 | 13 | 19 | _ | 11 |
| American Samoa C.N.M.I. | _ | _ | <u>2</u> — | _ | _ | _ | <u>2</u> |
| Guam | _ | _ | 1 | _ | _ | _ | 1 |
| Puerto Rico U.S. Virgin Islands | _ | _ | 7 | _ | _ | _ | 7 |
| | | | | | | | |

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

N: Not notifiable. U: Unavailable. —: No reported cases. C.N.N. Imported cases include only those directly related to importation from other countries.

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| | | | | oucce, wy goog | rapino arriore | | bies | Rocky Mountain spotted | |
|----------------------------------|------------|-------------|--------------|----------------|----------------|------------|----------|------------------------------|--|
| Area | Mumps | Pertussis | Plague | Psittacosis | Q Fever | Animal | Human | fever | |
| United States | 6,584 | 15,632 | 17 | 21 | 169 | 5,534 | 3 | 2,288 | |
| New England | 21 | 1,975 | _ | 1. | 5 | 488 | _ | 23 | |
| Connecticut Maine | _ | 126 174 | _ | N | 1 4 | 208 127 | _ | N | |
| Massachusetts | 12 | 1,238 | _ | | _ | N | _ | 12 | |
| New Hampshire | 5 | 226 | _ | 1 | N | 50 | _ | 1 | |
| Rhode Island Vermont | 4 | 101 110 | _ | _ | N | 30 73 | _ | 10 | |
| Mid. Atlantic | 199 | 2,083 | _ | 7 | 7 | 549 | _ | 90 | |
| New Jersey | 12 | 301 | _ | 2 | 1 | N | _ | 41 | |
| New York (Upstate) | 51 | 1,083 | _ | 3 | 1 | N | _ | _ | |
| New York City Pennsylvania | 19 117 | 112 587 | _ | | 3 2 | 44 505 | _ | 23 26 | |
| E.N. Central | 1,779 | 2,365 | _ | _ | 31 | 164 | 1 | 65 | |
| Illinois | 798 | 588 | _ | _ | 17 | 46 | | 26 | |
| Indiana | 10 | 280 | _ | _ | 1 | 11 | 1 | 6 | |
| Michigan Ohio | 84 45 | 632 644 | _ | _ | 3 6 | 49 58 | _ | 6 26 | |
| Wisconsin | 842 | 221 | _ | _ | 4 | N | _ | 1 | |
| W.N. Central | 3,960 | 1,453 | _ | 1 | 22 | 318 | _ | 199 | |
| lowa | 1,964 | 345 | _ | _ | N | 57 | _ | 5 | |
| Kansas Minnesota | 968 180 | 310 320 | _ | _ | 1 2 | 83 42 | _ | 1 5 | |
| Missouri | 170 | 308 | _ | _ | 11 | 66 | _ | 163 | |
| Nebraska | 368 | 101 | _ | 1 | 6 | _ | _ | 25 | |
| North Dakota South Dakota | 14 296 | 43 26 | _ | _ | | 32 38 | _ | _ | |
| S. Atlantic | 264 | 1,311 | _ | 2 | 21 | 2,314 | _ | 1,203 | |
| Delaware | _ | 3 | _ | _ | _ | | _ | 22 | |
| District of Columbia | 1 | 6 228 | _ | <u> </u> | 8 | 176 | _ | 1 21 | |
| Florida Georgia | 15 6 | 102 | _ | | 1 | 267 | _ | 53 | |
| Maryland | 48 | 152 | _ | 1 | 4 | 414 | _ | 93 | |
| North Carolina South Carolina | 43 10 | 334 199 | _ | _ | 4 | 521 181 | _ | 852 43 | |
| Virginia | 117 | 221 | _ | | 4 | 637 | _ | 114 | |
| West Virginia | 24 | 66 | _ | _ | _ | 118 | _ | 4 | |
| E.S. Central | 61 | 374 | _ | 2 | 13 | 247 | _ | 371 | |
| Alabama | 47 | 106 59 | N | _ | _ | 84 28 | _ | 94 3 | |
| Kentucky Mississippi | 1 2 | 37 | _ | _ | <u>4</u> | 28 4 | _ | 9 | |
| Tennessee | 11 | 172 | _ | 2 | 9 | 131 | _ | 265 | |
| W.S. Central | 79 | 1,154 | 1 | _ | 15 | 997 | 1 | 288 | |
| Arkansas Louisiana | 8 3 | 112 24 | _ | _ | 2 | 32 7 | _ | 104 5 | |
| Oklahoma | 10 | 64 | _ | | _ | 69 | _ | 139 | |
| Texas | 58 | 954 | 1 | N | 13 | 889 | 1 | 40 | |
| Mountain | 120 | 2,501 | 14 | 1 | 33 | 213 | _ | 47 | |
| Arizona Colorado | 40 51 | 508 710 | 4 | _ 1 | 4 14 | 140 | _ | 11 5 | |
| Idaho | 7 | 88 | _ | | 1 | 24 | _ | 14 | |
| Montana | <u> </u> | 115 | _ | _ | _ | 15 | _ | 2 | |
| Nevada New Mexico | 5 3 | 71 147 | 1 8 | _ | 7 4 | 5 10 | _ | _ 8 | |
| Utah | 5 | 779 | 1 | _ | _ | 11 | _ | _ | |
| Wyoming | 9 | 83 | _ | _ | 3 | 8 | _ | 7 | |
| Pacific | 101 | 2,416 | 2 | 7 | 22 | 244 | 1 | 2 | |
| Alaska California | 3 31 | 91 1,749 | | 1 3 | N 22 | 18 201 | <u> </u> | N — | |
| Hawaii | 6 | 87 | _ | _ | _ | N | | N | |
| Oregon | 19 | 112 | _ | 3 | _ | 25 | _ | 2 | |
| Washington | 42 | 377 | _ | _ | _ | _ | _ | N | |
| American Samoa C.N.M.I. | _ | _ | _ | <u>N</u> | <u>N</u> | N — | <u>N</u> | N — | |
| Guam | 1 | 64 | _ | N | N | _ | = | N | |
| Puerto Rico | 16 | 3 | _ | N | _ | 78 | _ | N | |
| U.S. Virgin Islands | _ | _ | | _ | _ | _ | _ | | |

N: Not notifiable.

U: Unavailable.

—: No reported cases.

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

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| TABLE 2. (COMM | aca) Heportee | a cuscs of floting | able diseases," by | Shiga toxin- | rision and area | Streptococcal | |
|----------------------------------|---------------|------------------------|--------------------|--------------------------|-----------------|-----------------------|---------------------------|
| | 5 | Rubella, congenital | | producing <i>E. Coli</i> | | disease, invasive, | Streptococcal toxic-shock |
| Area | Rubella | syndrome | Salmonellosis | STEC*** | Shigellosis | group A | syndrome |
| United States | 11 | 1 | 45,808 | 4,432 | 15,503 | 5,407 | 125 |
| New England Connecticut | 3 1 | _ | 2,303 503 | 287 75 | 280 67 | 360 98 | 22 20 |
| Maine | _ | _ | 161 | 50 | 10 | 19 | N |
| Massachusetts New Hampshire | <u>2</u> | _ | 1,214 225 | 105 29 | 168 11 | 174 35 | _ |
| Rhode Island | _ | _ | 119 | 9 | 18 | 20 | _ |
| Vermont | _ | _ | 81 | 19 | 6 | 14 | 2 |
| Mid. Atlantic | 2 | _ | 5,521 | 610 | 922 | 963 | 8 |
| New Jersey New York (Upstate) | _ | _ | 1,120 1,423 | 163 193 | 291 269 | 149 322 | 4 |
| New York City | 2 | _ | 1,277 | 43 | 274 | 167 | _ |
| Pennsylvania | _ | _ | 1,701 | 211 | 88 | 325 | 4 |
| E.N. Central Illinois | <u>1</u> | _ | 5,695 1,603 | 693 104 | 1,485 720 | 1,000 307 | 52 19 |
| Indiana | _ | _ | 898 | 95 | 178 | 127 | 12 |
| Michigan Ohio | 1 | _ | 998 1,290 | 94 196 | 152 196 | 205 238 | 2 19 |
| Wisconsin | _ | _ | 906 | 204 | 239 | 236 123 | N N |
| W.N. Central | 3 | _ | 2,725 | 722 | 1,944 | 372 | 6 |
| lowa | _ | _ | 476 | 163 | 137 | _ | _ |
| Kansas Minnesota | <u>1</u> | _ | 368 724 | 25 220 | 138 259 | 53 171 | 4 |
| Missouri | 2 | _ | 766 | 167 | 658 | 90 | 1 |
| Nebraska North Dakota | _ | _ | 201 55 | 79 18 | 128 235 | 33 15 | <u>1</u> |
| South Dakota | _ | _ | 135 | 50 | 389 | 10 | _ |
| S. Atlantic | 1 | _ | 11,805 | 668 | 3,576 | 1,218 | 21 |
| Delaware | _ | _ | 150 | 16 | 11 22 | 10 | 2 |
| District of Columbia Florida | | _ | 65 4,928 | 4 102 | 1,646 | 18 312 | N |
| Georgia | _ | _ | 1,835 | 84 | 1,379 | 272 | _ |
| Maryland North Carolina | _ | _ | 780 1,696 | 131 129 | 139 174 | 212 164 | N 10 |
| South Carolina | _ | _ | 1,091 | 17 | 80 | 69 | _ |
| Virginia West Virginia | _ | _ | 1,089 171 | 168 17 | 120 5 | 132 29 | 9 |
| E.S. Central | _ | _ | 2,987 | 297 | 895 | 209 | 1 |
| Alabama | _ | _ | 910 | 32 | 348 | N | N |
| Kentucky Mississippi | _ | _ | 463 787 | 101 11 | 237 133 | 44 N | 1 N |
| Tennessee | _ | _ | 827 | 153 | 177 | 165 | _ |
| W.S. Central | _ | _ | 5,712 | 324 | 2,654 | 472 | _ |
| Arkansas | _ | _ | 918 | 52 | 133 | 27 | _ |
| Louisiana Oklahoma | _ | _ | 1,129 605 | 18 44 | 261 195 | 18 125 | N |
| Texas | _ | _ | 3,060 | 210 | 2,065 | 302 | _ |
| Mountain | _ | _ | 2,725 | 543 | 1,531 | 681 | 13 |
| Arizona Colorado | _ | _ | 958 625 | 105 109 | 729 238 | 351 122 | |
| Idaho | _ | _ | 179 | 106 | 15 | 12 | _ |
| Montana Nevada | _ | _ | 132 245 | 35 | 69 143 | N — | N 5 |
| New Mexico | _ | _ | 261 | 46 | 177 | 123 | _ |
| Utah Wyoming | _ | _ | 278 47 | 122 20 | 72 88 | 68 5 | 7 |
| Pacific | 1 | 1 | 6,335 | 288 | 2,216 | 132 | 2 |
| Alaska | _ | Ň | 82 | 200 N | 7 | N | N |
| California | 1 | 1 | 4,939 | N 10 | 1,873 | N 122 | N |
| Hawaii Oregon | _ | _ | 265 422 | 19 107 | 45 121 | 132 N | 2 N |
| Washington | _ | _ | 627 | 162 | 170 | N | N |
| American Samoa | _ | _ | 2 | N | 6 | _ | N |
| C.N.M.I. Guam | _ | _ | 38 | N | 18 | _ | N |
| Puerto Rico | _ | N | 774 | | 43 | _ | N |
| U.S. Virgin Islands | _ | _ | _ | _ | _ | _ | _ |

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

N: Not notifiable. U: Unavailable. —: No reported cases. C.N.M.l.: Commonwealth of Nor *** Includes *E-coli* O157:H7; shiga toxin-positive, serogroup non-O157; and shiga toxin positive, not serogrouped.

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| | Streptococcus pneumoniae, | Streptococcus pneumoniae, | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | Omiou otato | , |
|-------------------------------------|---------------------------|---|--|--|---------------------|-------------|----------------------|
| Area | | invasive disease nondrug-resistant age <5 yrs | All stages§§§ | Syphilis ^{†††} Congenital (age <1 yr) | Primary & secondary | Tetanus | Toxic-shock syndrome |
| United States | 3,308 | 1,861 | 36,935 | 349 | 9,756 | 41 | 101 |
| New England | 156 | 147 | 710 | _ | 227 | | 4 |
| Connecticut | 106 | 43 | 197 | _ | 64 | _ | N |
| Maine Massachusetts | 12 | — 84 | 22 378 | _ | 9 124 | _ | N 1 |
| New Hampshire | _ | 12 | 35 | _ | 13 | _ | 2 |
| Rhode Island Vermont | 20 18 | <u>8</u> | 71 7 | _ | 14 3 | _ | _ 1 |
| Mid. Atlantic | 189 | 227 | 6,261 | 30 | 1,173 | 4 | 16 |
| New Jersey | _ | 73 | 799 | 15 | 173 | 1 | 4 |
| New York (Upstate) New York City | 72 — | 117 37 | 858 3,719 | 8 7 | 158 578 | _ | 2 |
| Pennsylvania | 117 | Ň | 885 | <u>.</u> | 264 | 3 | 10 |
| E.N. Central | 651 | 380 | 2,768 | 28 | 894 | 9 | 18 |
| Illinois Indiana | 33 198 | 106 68 | 1,473 250 | 15 — | 431 93 | 1 2 | 2 1 |
| Michigan | 18 | 75 | 384 | 13 | 118 | 3 | 8 |
| Ohio Wisconsin | 402 N | 82 49 | 491 170 | _ | 184 68 | 3 | 7 |
| W.N. Central | 320 | 121 | 840 | 5 | 282 | 3 | 20 |
| Iowa | _ | _ | 68 | _ | 19 | _ | _ |
| Kansas Minnesota | 72 199 | 14 74 | 87 189 | 1 1 | 27 47 | <u> </u> | 2 9 |
| Missouri | 44 | 16 | 430 | 3 | 168 | i | 5 |
| Nebraska | 1 | 12 | 34 | _ | 7 | _ | 4 |
| North Dakota South Dakota | 4 | <u>5</u> — | 3 29 | _ | 1 13 | 1 | _ |
| S. Atlantic | 1,429 | 382 | 8,393 | 61 | 2,312 | 5 | 15 |
| Delaware District of Columbia | 27 | 2 2 | 74 314 | _ 1 | 20 116 | _ | _ |
| Florida | 774 | 72 | 2,945 | 21 | 719 | | N |
| Georgia | 504 | 141 | 1,933 | 9 | 581 | _ | 7 |
| Maryland North Carolina | 3 | 72 — | 1,038 961 | 19 6 | 300 309 | 1 1 | N 8 |
| South Carolina | _ | 25 | 397 | 2 | 66 | 1 | N |
| Virginia West Virginia | N 121 | 50 18 | 701 30 | <u>3</u> | 190 11 | _ | _ |
| E.S. Central | 222 | 103 | 2,654 | 16 | 727 | 1 | 10 |
| Alabama | N | N | 931 | 9 | 319 | _ | 2 |
| Kentucky Mississippi | 38 31 | N 19 | 188 520 | <u>1</u> | 73 86 | _ | 4 N |
| Tennessee | 153 | 84 | 1,015 | 6 | 249 | 1 | 4 |
| W.S. Central | 198 | 260 | 6,837 | 101 | 1,553 | 6 | 3 |
| Arkansas Louisiana | 12 77 | 24 24 | 243 1,387 | 7 13 | 77 342 | 1 3 | 3 |
| Oklahoma | 109 | 69 | 251 | 2 | 70 | 1 | N |
| Texas | _ | 143 | 4,956 | 79 | 1,064 | 1 | N |
| Mountain Arizona | 143 | 214 120 | 1,816 926 | 42 16 | 513 203 | 2 1 | 11 2 |
| Colorado | _ | 55 | 182 | 2 | 69 | _ | 8 |
| Idaho Montana | <u>N</u> | 3 N | 12 2 | _ | 3 1 | _ | N |
| Nevada | 23 | 3 | 388 | 15 | 137 | _ | 1 |
| New Mexico Utah | — 75 | 33 — | 237 68 | 7 2 | 79 21 | | _ |
| Wyoming | 45 | _ | 1 | _ | _ | _ | _ |
| Pacific | | 27 | 6,656 | 66 | 2,075 | 11 | 4 |
| Alaska California | N N | N N | 25 6,043 | <u> </u> | 11 1,835 | 11 | N 4 |
| Hawaii | _ | 27 | 66 | _ | 18 | | N |
| Oregon Washington | N N | N N | 99 423 | _ | 29 182 | _ | N N |
| American Samoa | _ | N | _ | _ | _ | _ | N |
| C.N.M.I. | _ | _ | | _ | _ | _ | _ |
| Guam Puerto Rico | N | N N | 13 1,066 | — 13 | 3 150 | 1 | N |
| U.S. Virgin Islands | _ | _ | 5 | _ | 1 | _ | _ |

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

N: Not notifiable. U: Unavailable. —: No reported cases. C.N.I ††† Totals reported to the Division of STD Prevention, NCHHSTP, as of June 22, 2007.

Foliais reported to the Division of the Frevention, 140 find 11, 43 of total 22, 2007.

SSS Includes the following categories: primary, secondary, latent (including neurosyphilis, early latent, late latent, late with clinical manifestations other than neurosyphilis, and unknown latent), and congenital syphilis.

TABLE 2. (Continued) Reported cases of notifiable diseases,* by geographic division and area — United States, 2006

| Area | Trichinellosis | Tuberculosis ¹¹⁷⁹ | Tularemia | Typhoid fever | Vancomycin- intermediate Staphylococcus aureus | Vancomycin- resistant | Varicella (morbidity) |
|---|---------------------------------|---|--|--|---|----------------------------|---|
| United States | 15 | 13,779 | 95 | 353 | 6 | 1 | 48,445 |
| New England Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont | | 415 89 16 259 17 26 8 | 11 - - 11 - - | 14 4 1 7 — | 1 1 — N N | - - - - - N | 4,316 1,727 238 1,142 419 — 790 |
| Mid. Atlantic New Jersey New York (Upstate) New York City Pennsylvania | 3 2 1 — | 2,120 508 317 954 341 | 2 1 - 1 | 100 15 11 65 9 | 1 1 — | _ _ _ _ | 5,202 N N — 5,202 |
| E.N. Central Illinois Indiana Michigan Ohio Wisconsin | 1 - - - 1 | 1,229 569 125 221 239 75 | 1 1 — — — | 39 18 — 7 11 3 | 1 N 1 N | 1 - 1 N | 15,321 150 N 5,200 8,860 1,111 |
| W.N. Central lowa Kansas Minnesota Missouri Nebraska North Dakota South Dakota | 3 3 | 491 40 82 217 104 25 9 | 36 1 7 — 14 7 2 5 | 11 2 5 2 1 — | 1 N 1 - | N | 2,001 N 372 — 1,408 N 103 118 |
| S. Atlantic Delaware District of Columbia Florida Georgia Maryland North Carolina South Carolina Virginia West Virginia | 2 — 1 N 1 — — | 2,846 29 72 1,038 504 253 374 222 332 22 | 2 1 1 | 52 — 1 16 5 7 3 — 20 | 2 N 1 N 1 N | | 4,832 66 51 N N — 1,259 1,959 1,497 |
| E.S. Central Alabama Kentucky Mississippi Tennessee | N | 674 196 84 115 279 | - - - - - | 6 1 2 2 1 | N N | N N | 601 599 N 2 N |
| W.S. Central Arkansas Louisiana Oklahoma Texas | N — | 2,038 102 207 144 1,585 | 10 6 1 3 | 18 1 — — 17 | N N | N N | 13,183 1,214 201 N 11,768 |
| Mountain Arizona Colorado Idaho Montana Nevada New Mexico Utah Wyoming | N | 659 315 124 20 13 101 48 34 | 23 1 3 1 4 1 7 3 3 | 18 7 7 — 1 1 2 | | N N N | 2,989 — 1,504 N N 10 370 1,035 70 |
| Pacific Alaska California Hawaii Oregon Washington | 6 5 - 1 | 3,307 70 2,779 115 81 262 | 10 | 95 | N N N N | N N N N | N N N N N |
| American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands | N N | 35 53 112 | ======================================= | 1 - - - | N N N | N — — — | N 292 615 — |

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

N: Not notifiable. U: Unavailable. —: No reported cases. C.N.M.I.: Cor Totals reported to the Division of Tuberculosis Elimination, NCHHSTP, as of May 25, 2007.

TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending August 18, 2007 (33rd Week)

| | C | C | 5-year | Total o | ases rep | orted for | previou | s vears | |
|--|-----------------|-------------|--------------------------------|-----------|------------|-----------|-----------|-----------|--|
| Disease | Current week | Cum 2007 | weekly average [†] | 2006 | 2005 | 2004 | 2003 | 2002 | States reporting cases during current week (No.) |
| Anthrax | | | | 1 | | | | 2 | |
| Botulism: | | | | | | | | | |
| foodborne | 4 | 8 | 0 | 20 | 19 | 16 | 20 | 28 | IN (3), CA (1) |
| infant | _ | 53 | 2 | 97 | 85 | 87 | 76 | 69 | |
| other (wound & unspecified) | _ | 13 | 1 | 48 | 31 | 30 | 33 | 21 | |
| Brucellosis | 3 | 77 | 2 | 121 | 120 | 114 | 104 | 125 | MN (2), CA (1) |
| Chancroid | _ | 19 | 0 | 33 | 17 | 30 | 54 | 67 | |
| Cholera | _ | 1 | 0 | 9 | 8 | 5 | _2 | 2 | EL (I) |
| Cyclosporiasis§ | 1 | 64 | 4 | 136 | 543 | 171 | 75 | 156 | FL (1) |
| Diphtheria | _ | _ | _ | _ | _ | _ | 1 | 1 | |
| Domestic arboviral diseases§.¶: | | 6 | 7 | 67 | 90 | 110 | 100 | 164 | |
| California serogroup | _ | 6 1 | 7 1 | 67 8 | 80 21 | 112 6 | 108 14 | 164 10 | |
| eastern equine Powassan | _ | | 0 | 1 | 1 | 1 | - 14 | 10 | |
| St. Louis | | 2 | 2 | 10 | 13 | 12 | 41 | 28 | |
| western equine | | _ | _ | _ | _ | _ | _ | _ | |
| Ehrlichiosis§: | | | | | | | | | |
| human granulocytic | 4 | 194 | 17 | 646 | 786 | 537 | 362 | 511 | NY (3), MD (1) |
| human monocytic | 15 | 254 | 14 | 578 | 506 | 338 | 321 | 216 | NC (2), KY (2), AR (7), OK (4) |
| human (other & unspecified) | 3 | 76 | 3 | 231 | 112 | 59 | 44 | 23 | AR (2), TX (1) |
| Haemophilus influenzae,** | - | | _ | | | | | | (=), (.) |
| invasive disease (age <5 yrs): | | | | | | | | | |
| serotype b | _ | 8 | 0 | 29 | 9 | 19 | 32 | 34 | |
| nonserotype b | 1 | 57 | 2 | 175 | 135 | 135 | 117 | 144 | FL (1) |
| unknown serotype | 1 | 165 | 3 | 179 | 217 | 177 | 227 | 153 | AK (1) |
| Hansen disease§ | _ | 31 | 1 | 66 | 87 | 105 | 95 | 96 | |
| Hantavirus pulmonary syndrome§ | 1 | 18 | 0 | 40 | 26 | 24 | 26 | 19 | TX (1) |
| Hemolytic uremic syndrome, postdiarrheal§ | 2 | 109 | 7 | 288 | 221 | 200 | 178 | 216 | MN (1), CO (1) |
| Hepatitis C viral, acute | 8 | 396 | 22 | 802 | 652 | 713 | 1,102 | 1,835 | NY (2), MO (1), OK (1), WA (2), CA (2) |
| HIV infection, pediatric (age <13 yrs) ^{††} | _ | _ | 3 | 52 | 380 | 436 | 504 | 420 | |
| Influenza-associated pediatric mortality ^{§,§§} | | 71 | 0 | 43 | 45 | | N | N | |
| Listeriosis | 11 | 364 | 21 | 875 | 896 | 753 | 696 | 665 | NY (2), IN (1), MN (1), MD (1), NC (1), CA (4), HI (1) |
| Measles ¹¹¹ | _ | 21 | 1 | 55 | 66 | 37 | 56 | 44 | |
| Meningococcal disease, invasive***: | 1 | 174 | 0 | 318 | 297 | | | | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| A, C, Y, & W-135 | 1 | 86 | 3 2 | 193 | 297 156 | _ | _ | _ | WV (1) |
| serogroup B other serogroup | ' | 14 | 0 | 32 | 27 | | | _ | FL (1) |
| unknown serogroup | 8 | 414 | 8 | 651 | 765 | _ | | _ | NYC (1), TN (1), TX (1), NV (1), WA (1), CA (3) |
| Mumps | 6 | 538 | 11 | 6,584 | 314 | 258 | 231 | 270 | PA (1), CO (1), WA (4) |
| Novel influenza A virus infections | _ | _ | - :- | N | N | N | N | N | 171(1), 00 (1), 1111(1) |
| Plague | _ | 4 | 0 | 17 | 8 | 3 | 1 | 2 | |
| Poliomyelitis, paralytic | _ | _ | _ | _ | 1 | _ | _ | _ | |
| Poliovirus infection, nonparalytic§ | _ | _ | _ | N | N | N | N | N | |
| Psittacosis§ | _ | 4 | 0 | 21 | 16 | 12 | 12 | 18 | |
| Q fever§ | 1 | 107 | 2 | 169 | 136 | 70 | 71 | 61 | PA (1) |
| Rabies, human | _ | _ | 0 | 3 | 2 | 7 | 2 | 3 | |
| Rubella ^{†††} | _ | 9 | 0 | 11 | 11 | 10 | 7 | 18 | |
| Rubella, congenital syndrome | _ | _ | _ | 1 | 1 | _ | 1 | 1 | |
| SARS-CoV ^{§,§§§} | _ | _ | _ | _ | _ | _ | 8 | N | |
| Smallpox§ | _ | | - | | | | | | (-) |
| Streptococcal toxic-shock syndrome§ | 2 | 72 | 1 | 125 | 129 | 132 | 161 | 118 | CT (2) |
| Syphilis, congenital (age <1 yr) | 3 | 228 | 7 | 380 | 329 | 353 | 413 | 412 | TX (2), CA (1) |
| Tetanus | 2 | 9 | 1 | 41 | 27 | 34 | 20 | 25 | MN (1), FL (1) |
| Toxic-shock syndrome (staphylococcal)§ | _ | 49 | 2 | 101 | 90 | 95 | 133 | 109 | |
| Trichinellosis | _ | 5 71 | 0 | 15 | 16 | 5 | 120 | 14 | MN (1) AD (1) |
| Tularemia Typhoid fovor | 2 | 71 167 | 4 9 | 95 353 | 154 | 134 | 129 | 90 | MN (1), AR (1) |
| Typhoid fever | 2 eus§ — | 167 | 9 | 353 6 | 324 2 | 322 | 356 N | 321 N | MD (1), CA (1) |
| Vancomycin-intermediate Staphylococcus aureus§ | | 6 | _ | 1 | 3 | _ 1 | N N | N N | |
| Vibriosis (noncholera <i>Vibrio</i> species infections) | <u> </u> | 160 | 8 | N | N N | N | N | N | NY (2), FL (4), CA (2) |
| Yellow fever | J | 100 | U | _ | _ | 1.4 | 1.4 | 1 | (L), (L), (T), OA (L) |

^{—:} No reported cases.

No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts.
Incidence data for reporting years 2006 and 2007 are provisional, whereas data for 2002, 2003, 2004, and 2005 are finalized.
Calculated by summing the incidence counts for the current week, the 2 weeks preceding the current week, and the 2 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. Data from states where the condition is not notifiable are excluded from this table, except in 2007 for the domestic arboviral diseases and influenza-associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.
Includes both neuroinvasive and nonneuroinvasive. Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data for West Nile virus are available in Table II.
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/AIDS, Viral Hepatitis, STD, and TB Prevention. Implementation of HIV reporting influences the number of cases reported. Updates of pediatric HIV data have been temporarily suspended until upgrading of the national HIV/AIDS surveillance data management system is completed. Data for HIV/AIDS, when available, are displayed in Table IV, which appears quarterly.
Updated weekly from reports to the Influenza Division, National Center for Immunization and Respiratory Diseases. A total of 68 cases were reported for the 2006–07 flu season. No measles cases were reported for the current week.

No measles cases were reported for the current week.

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

No rubella cases were reported for the current week.

Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending August 18, 2007, and August 19, 2006 (33rd Week)*

| (33rd Week)* | | | Chlamyd | lia [†] | | | Coccid | ioidomy | cosis | | | Crvr | otosporio | liosis | |
|---|--|---|---|--|--|--|-----------------------------------|--|---|--|---|---|--|---|---|
| | | Pre | vious | | | | | vious | | | | Pre | vious | | - |
| Reporting area | Current week | <u>52 v</u> Med | veeks Max | Cum 2007 | Cum 2006 | Current week | Med | weeks Max | Cum 2007 | Cum 2006 | Current week | 52 v Med | veeks Max | Cum 2007 | Cum 2006 |
| United States | 12,454 | 20,617 | 25,327 | 637,925 | 637,240 | 62 | 124 | 658 | 4,015 | 5,451 | 226 | 75 | 319 | 2,594 | 2,443 |
| New England Connecticut Maine [§] Massachusetts New Hampshire Rhode Island [§] Vermont [§] | 939 337 39 411 43 79 30 | 699 217 50 310 40 64 18 | 1,357 829 74 600 70 108 45 | 21,907 6,647 1,610 9,846 1,312 1,982 510 | 20,032 5,754 1,396 8,923 1,174 2,036 749 | | 0 0 0 0 0 | 1 0 0 0 1 0 | 2 N — 2 — N | N — — — N | 5 -5 | 4 0 1 1 1 0 | 27 18 6 19 4 5 | 131 18 28 36 27 6 16 | 192 38 20 83 22 3 26 |
| Mid. Atlantic New Jersey New York (Upstate) New York City Pennsylvania | 1,039 191 409 — 439 | 2,671 403 505 857 797 | 4,284 541 2,758 1,687 1,798 | 87,888 12,391 16,038 27,810 31,649 | 78,097 12,516 14,768 25,847 24,966 | N N N N | 0 0 0 0 | 0 0 0 0 | N N N N | N N N N | 30 — 14 — 16 | 10 0 3 1 4 | 48 5 14 10 44 | 371 9 97 38 227 | 338 24 75 82 157 |
| E.N. Central Illinois Indiana Michigan Ohio Wisconsin | 1,164 488 373 — 83 220 | 3,153 1,013 388 741 628 372 | 6,305 1,345 644 1,225 3,653 528 | 103,304 30,330 12,984 21,813 26,201 11,976 | 106,583 34,150 12,844 20,827 25,715 13,047 | | 0 0 0 0 0 | 3 0 0 3 2 | 17 — 12 5 N | 31 — 27 4 N | 2 1 — 1 | 16 2 1 3 5 | 110 22 18 10 29 53 | 459 38 43 89 137 152 | 656 114 36 79 177 250 |
| W.N. Central lowa Kansas Minnesota Missouri Nebraska [§] North Dakota South Dakota | 602 145 126 — 267 — 64 | 1,201 163 149 237 453 105 30 49 | 1,448 254 294 314 628 183 69 84 | 37,081 5,456 5,126 6,542 14,360 3,122 883 1,592 | 38,812 5,224 5,163 8,094 14,313 3,256 1,101 1,661 | N N — — N N | 0 0 0 0 0 0 | 54 0 0 54 1 0 0 | 3 N N 3 N N N | N N N N N N N N N N N N N N N N N N N | 54 17 5 16 4 6 5 | 11 2 1 3 1 1 0 2 | 77 34 8 25 21 16 11 | 463 163 46 89 43 46 8 | 367 70 42 97 74 38 6 40 |
| S. Atlantic Delaware District of Columbia Florida Georgia Maryland [§] North Carolina South Carolina [§] Virginia [§] West Virginia | 3,336 47 139 1,236 — 415 200 777 485 37 | 3,966 67 96 1,064 673 400 624 458 490 55 | 6,760 140 167 1,770 3,822 697 1,234 3,030 685 84 | 124,889 2,232 3,646 35,571 14,353 12,629 18,241 20,923 15,453 1,841 | 122,218 2,249 1,892 30,802 22,297 13,212 21,435 13,619 14,861 1,851 | N N N N N N N N N N N N N N N N | 0 0 0 0 0 0 0 | 1 0 0 0 0 1 0 0 | 2 | 2 | 27 1 24 1 1 | 21 0 0 10 4 0 1 1 1 | 70 3 2 32 17 2 11 14 5 | 501 6 3 256 88 19 51 39 34 5 | 475 7 10 191 133 12 53 41 24 4 |
| E.S. Central Alabama [§] Kentucky Mississippi Tennessee [§] | 1,232 25 188 506 513 | 1,390 347 116 346 512 | 2,044 539 691 959 695 | 42,250 7,299 4,695 12,832 17,424 | 48,841 14,962 5,968 12,088 15,823 | N N N N | 0 0 0 0 | 0 0 0 0 | N N N | N N N N | 14 4 5 — 5 | 3 0 1 0 | 17 12 13 8 5 | 141 32 66 14 29 | 81 28 25 9 19 |
| W.S. Central Arkansas [§] Louisiana Oklahoma Texas [§] | 2,157 289 278 415 1,175 | 2,294 164 358 275 1,482 | 3,028 337 855 467 1,911 | 75,230 5,279 12,422 8,328 49,201 | 71,434 4,890 11,418 7,033 48,093 | N - N N | 0 0 0 0 | 1 0 1 0 0 | 1 N 1 N N | | 8 — 8 — | 5 0 1 1 3 | 45 3 9 13 36 | 145 6 31 52 56 | 142 13 41 22 66 |
| Mountain Arizona Colorado Idaho [§] Montana [§] Nevada [§] New Mexico [§] Utah Wyoming [§] | 686 45 339 — 155 — 140 7 | 1,353 488 257 56 51 185 163 102 25 | 2,026 993 416 253 82 397 396 209 45 | 38,306 13,526 6,075 2,242 1,488 5,935 4,943 3,336 761 | 41,940 13,138 10,198 1,920 1,605 4,752 6,320 3,067 940 | 47 47 N N N — | 78 74 0 0 0 1 0 | 293 293 0 0 0 5 2 4 | 2,333 2,240 N N N 38 15 38 | 3,826 3,728 N N N 42 14 40 2 | 84 — 10 2 — — — 72 | 5 0 1 0 1 0 1 0 | 47 6 7 5 26 3 6 38 11 | 322 23 54 18 23 6 38 143 | 141 16 31 9 44 6 16 7 |
| Pacific Alaska California Hawaii Oregon [§] Washington | 1,299 68 1,144 — 87 | 3,373 87 2,683 102 166 333 | 4,362 157 3,627 129 394 621 | 107,070 2,800 85,387 3,216 5,592 10,075 | 109,283 2,773 85,552 3,683 5,984 11,291 | 15 N 15 N N | 45 0 45 0 0 | 311 0 311 0 0 | 1,657 N 1,657 N N N | 1,592 N 1,592 N N N | 2 — — 2 — | 1 0 0 0 1 | 5 2 0 1 5 | 61 3 — — 58 | 51 3 — 3 45 — |
| American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands | U U — 547 U | 0 12 114 3 | 32 72 300 7 | U U 127 4,930 U | U 574 3,001 U | U N U | 0 0 0 0 | 0 0 0 0 | U U N U | U U N U | U U N U | 0 0 0 0 | 0 0 0 0 | U U N U | U U N U |

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 2006 and 2007 are provisional. Data for HIV/AIDS, AIDS, and TB, when available, are displayed in Table IV, which appears quarterly. 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 August 18, 2007, and August 19, 2006 (33rd Week)*

| | | | Giardiasi | is | | | | onorrhe | a | | Hae | All age | es, all ser | <i>zae</i> , invas otypes† | ive |
|---|----------|----------|--------------|--------------|--------------|-------------|-------------|-----------------|-----------------|------------------|---------|---------|----------------|-------------------------------|-----------|
| | Current | | ious eeks | Cum | Cum | Current | | evious weeks | Cum | Cum | Current | | vious veeks | Cum | Cum |
| Reporting area | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 |
| United States | 233 | 297 | 1,514 | 8,905 | 10,137 | 4,049 | 6,730 | 8,941 | 205,692 | 220,759 | 18 | 45 | 184 | 1,464 | 1,515 |
| New England | 4 | 23 | 67 | 665 | 775 | 162 | 111 | 259 | 3,522 | 3,434 | _ | 3 | 19 | 116 | 114 |
| Connecticut Maine [§] | 3 | 5 3 | 25 12 | 175 96 | 159 82 | 64 7 | 45 2 | 204 8 | 1,337 84 | 1,346 76 | _ | 0 0 | 6 2 | 31 7 | 33 15 |
| Massachusetts New Hampshire | _ | 9 | 26 3 | 271 11 | 377 19 | 81 3 | 50 3 | 96 8 | 1,705 98 | 1,532 132 | _ | 2 | 6 2 | 58 11 | 50 7 |
| Rhode Island§ | _ | 0 | 17 | 31 | 50 | 6 | 8 | 18 | 262 | 303 | _ | 0 | 10 | 7 | 2 |
| Vermont§ | 1 | 3 | 12 | 81 | 88 | 1 | 1 | 5 | 36 | 45 | _ | 0 | 1 | 2 | 7 |
| Mid. Atlantic New Jersey | 45 — | 56 6 | 127 17 | 1,602 142 | 2,033 304 | 371 82 | 717 114 | 1,537 159 | 23,040 3,600 | 20,575 3,325 | 2 | 10 1 | 27 5 | 319 44 | 313 56 |
| New York (Upstate) | 31 | 24 | 108 | 600 | 668 | 108 | 112 | 1,035 | 3,866 | 3,802 | 2 | 3 | 15 | 93 | 97 |
| New York City Pennsylvania | 3 11 | 16 14 | 32 34 | 483 377 | 596 465 | 181 | 188 248 | 376 613 | 5,934 9,640 | 6,323 7,125 | _ | 2 3 | 6 10 | 62 120 | 59 101 |
| E.N. Central | 2 | 43 | 100 | 1,198 | 1,628 | 489 | 1,231 | 2,613 | 41,150 | 43,422 | 4 | 5 | 15 | 177 | 255 |
| Illinois Indiana | N | 10 0 | 30 0 | 256 N | 421 N | 192 167 | 360 159 | 508 306 | 10,945 5,471 | 12,727 5,594 | 4 | 2 1 | 6 10 | 44 37 | 77 50 |
| Michigan | _ | 13 | 38 | 349 | 418 | _ | 297 | 880 | 9,011 | 8,361 | _ | 0 | 5 | 19 | 22 |
| Ohio Wisconsin | _ | 15 7 | 32 27 | 423 170 | 461 328 | 29 101 | 250 129 | 1,569 181 | 11,564 4,159 | 12,413 4,327 | _ | 2 | 5 4 | 69 8 | 56 50 |
| W.N. Central | 20 | 20 | 553 | 543 | 1,141 | 172 | 385 | 512 | 11,965 | 12,047 | 1 | 3 | 24 | 84 | 85 |
| lowa | 3 | 5 3 | 16 11 | 136 87 | 167 121 | 16 37 | 39 45 | 62 86 | 1,199 1,469 | 1,127 1,420 | _ | 0 | 1 2 | 1 8 | 1 |
| Kansas Minnesota | _ | 0 | 514 | 12 | 414 | - - | 60 | 87 | 1,728 | 2,016 | _ | 1 | 17 | 35 | 14 39 |
| Missouri Nebraska§ | 10 4 | 7 2 | 28 9 | 200 61 | 302 67 | 114 | 201 29 | 266 57 | 6,471 885 | 6,353 819 | _ | 1 0 | 5 2 | 26 12 | 22 5 |
| North Dakota | _ | 0 | 16 | 11 | 12 | _ | 2 | 7 | 54 | 72 | 1 | 0 | 2 | 2 | 4 |
| South Dakota | _ | 1 | 6 | 36 | 58 | 5 | 6 | 15 | 159 | 240 | _ | 0 | 0 | _ | _ |
| S. Atlantic Delaware | 42 — | 57 1 | 106 3 | 1,608 24 | 1,527 24 | 1,136 13 | 1,634 28 | 3,209 44 | 48,189 880 | 54,445 915 | 5 | 11 0 | 34 3 | 375 5 | 382 1 |
| District of Columbia | _ | 0 | 7 | 34 | 44 | 52 | 44 | 72 | 1,476 | 1,103 | _ | 0 | 2 | 3 | 3 |
| Florida Georgia | 39 | 24 12 | 44 31 | 755 329 | 632 359 | 469 | 472 313 | 717 2,068 | 14,766 5,905 | 15,210 10,772 | 3 | 3 2 | 8 7 | 113 70 | 119 80 |
| Maryland [§] North Carolina | 1 | 5 0 | 12 0 | 147 | 131 | 102 44 | 130 289 | 227 675 | 3,988 7,993 | 4,551 11,087 | 1 | 2 | 6 9 | 61 43 | 50 44 |
| South Carolina§ | 2 | 2 | 8 | 53 | 66 | 360 | 199 | 1,361 | 8,924 | 6,318 | _ | 1 | 4 | 35 | 26 |
| Virginia [§] West Virginia | _ | 10 0 | 28 21 | 246 20 | 256 15 | 85 11 | 123 18 | 236 44 | 3,712 545 | 3,959 530 | 1 | 1 0 | 6 6 | 28 17 | 44 15 |
| E.S. Central | 12 | 9 | 21 | 287 | 259 | 457 | 545 | 752 | 16,033 | 19,824 | 3 | 2 | 9 | 86 | 80 |
| Alabama§ | 6 | 4 0 | 16 0 | 139 | 122 | 9 | 148 43 | 242 268 | 3,283 | 6,954 | _ | 0 | 3 | 18 | 17 5 |
| Kentucky Mississippi | N N | 0 | 0 | N N | N N | 65 175 | 143 | 310 | 1,753 4,798 | 2,122 4,671 | _ | 0 | 1 1 | 2 6 | 10 |
| Tennessee§ | 6 | 5 | 16 | 148 | 137 | 208 | 194 | 239 | 6,199 | 6,077 | 3 | 1 | 6 | 60 | 48 |
| W.S. Central Arkansas§ | 7 | 7 3 | 56 13 | 199 67 | 182 63 | 762 80 | 983 79 | 1,490 142 | 31,197 2,451 | 31,347 2,649 | _ | 2 | 34 2 | 71 5 | 61 8 |
| Louisiana | _ | 1 | 6 | 48 | 53 | 119 | 219 | 384 | 7,197 | 6,811 | _ | 0 | 3 | 5 | 13 |
| Oklahoma Texas [§] | 7 N | 3 0 | 43 0 | 84 N | 66 N | 152 411 | 98 575 | 236 938 | 3,162 18,387 | 2,635 19,252 | _ | 1 0 | 29 3 | 57 4 | 34 6 |
| Mountain | 36 | 30 | 67 | 877 | 941 | 162 | 258 | 454 | 7,451 | 9,291 | 2 | 4 | 11 | 156 | 154 |
| Arizona Colorado | 2 17 | 3 10 | 11 26 | 97 281 | 93 314 | 16 78 | 109 57 | 220 93 | 2,844 1,487 | 3,244 2,321 | _ 1 | 1 1 | 6 4 | 53 40 | 64 40 |
| Idaho§ | 4 | 3 | 12 | 97 | 108 | _ | 3 | 20 | 161 | 109 | | 0 | 1 | 40 | 3 |
| Montana [§] Nevada [§] | 3 | 2 2 | 10 8 | 53 75 | 47 75 | — 53 | 2 48 | 8 135 | 50 1,473 | 133 1,694 | _ | 0 | 0 2 | 9 | 10 |
| New Mexico [§] | _ | 2 | 6 | 58 | 44 | _ | 29 | 52 | 882 | 1,168 | 1 | 0 | 3 | 24 | 21 |
| Utah Wyoming [§] | 10 | 6 1 | 27 4 | 192 24 | 241 19 | 14 1 | 18 2 | 34 5 | 507 47 | 537 85 | _ | 0 | 3 1 | 24 2 | 13 |
| Pacific | 65 | 60 | 558 | 1,926 | 1,651 | 338 | 732 | 900 | 23,145 | 26,374 | 1 | 2 | 16 | 80 | 71 |
| Alaska California | 33 | 1 44 | 17 93 | 38 1,328 | 31 1,334 | 8 322 | 10 617 | 27 768 | 292 19,889 | 370 21,711 | 1 | 0 | 2 10 | 8 20 | 9 23 |
| Hawaii | _ | 1 | 4 | 46 | 35 | _ | 12 | 23 | 380 | 641 | _ | Ō | 2 | 6 | 12 |
| Oregon [§] Washington | 10 22 | 8 3 | 14 449 | 250 264 | 251 — | 8 | 24 67 | 46 142 | 651 1,933 | 931 2,721 | _ | 1 0 | 6 5 | 44 2 | 27 |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 2 | 1,500 U | 2,721 U | U | 0 | 0 | U | U |
| C.N.M.I. | Ü | _ | _ | U | U | Ü | _ | _ 7 | U | U | Ü | _ | _ | Ü | U |
| Guam Puerto Rico | _ | 0 6 | 0 19 | 131 | 106 | 23 | 1 6 | 16 | 22 222 | 74 190 | _ | 0 0 | 0 2 | _ | 1 |
| U.S. Virgin Islands | U | 0 | 0 | U | U | U | 1 | 3 | U | U | U | 0 | 0 | U | U |

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 2006 and 2007 are provisional.

* Data for H. influenzae (age <5 yrs for serotype b, nonserotype b, and unknown serotype) are available in Table I.

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

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 18, 2007, and August 19, 2006 (33rd Week)*

| | | | | is (viral, ac | ute), by ty | pe [†] | | | | | | 14 | egionello | sis | |
|---|------------------|------------------|-----------------------|---------------------------|--------------------------|-------------------|-----------------------|---------------------|-----------------------------|------------------------|-----------------------|-------------------|-----------------------|--------------------------|--------------------------|
| | | Previ | A ious | | | | Prev | B | | | | | vious | 515 | |
| Reporting area | Current week | 52 we | | Cum 2007 | Cum 2006 | Current week | | eeks Max | Cum 2007 | Cum 2006 | Current week | | veeks Max | Cum 2007 | Cum 2006 |
| United States | 36 | 55 | 201 | 1,626 | 2,188 | 33 | 76 | 406 | 2,369 | 2,710 | 30 | 41 | 109 | 1,128 | 1,422 |
| New England Connecticut Maine [§] | 1 _ _ | 2 0 0 | 6 3 1 | 61 9 2 | 125 26 7 | = | 2 0 0 | 5 5 2 | 42 21 2 | 72 30 15 | 2 2 — | 2 0 0 | 13 9 2 | 65 19 2 | 93 19 6 |
| Massachusetts New Hampshire Rhode Island [§] Vermont [§] | _ _ _ 1 | 1 0 0 0 | 4 3 2 1 | 28 10 8 4 | 62 18 6 6 | | 0 0 0 | 2 1 4 1 | 4 5 9 1 | 15 7 4 1 | _ _ _ | 0 0 0 0 | 5 2 6 2 | 14 3 22 5 | 48 8 9 3 |
| Mid. Atlantic New Jersey New York (Upstate) New York City | 4 - 1 1 | 7 2 1 2 | 20 5 11 10 | 231 51 44 82 | 231 72 50 69 | | 8 2 1 2 | 21 7 13 6 | 274 53 52 56 | 341 108 45 79 | 7 3 — | 12 1 5 2 | 55 10 30 24 | 337 29 111 47 | 470 62 158 77 |
| Pennsylvania | 2 | 1 | 5 | 54 | 40 | _ | 3 | 8 | 113 | 109 | 4 | 5 | 19 | 150 | 173 |
| E.N. Central Illinois Indiana Michigan | = | 6 2 0 2 | 17 7 7 8 | 161 60 7 44 | 196 52 15 64 | 2 2 — | 9 2 0 2 | 23 6 21 8 | 257 64 29 68 | 318 92 34 91 | 3 3 — | 9 1 0 3 | 31 13 6 10 | 220 30 20 76 | 318 61 26 70 |
| Ohio Wisconsin | Ξ | 1 0 | 4 4 | 43 7 | 39 26 | | 2 | 10 3 | 84 12 | 76 25 | | 3 | 14 3 | 86 8 | 132 29 |
| W.N. Central | 3 | 2 | 18 | 103 | 90 | 3 | 2 | 15 | 77 | 94 | 2 | 1 | 16 | 46 | 52 |
| lowa Kansas Minnesota Missouri | 3 | 0 0 0 | 4 1 17 2 | 25 2 49 15 | 8 22 9 30 | _ _ 1 2 | 0 0 0 | 3 1 13 5 | 14 5 14 33 | 14 8 12 50 | _ _ _ 1 | 0 0 0 | 2 3 11 2 | 6 2 14 17 | 10 4 11 16 |
| Nebraska [§] North Dakota South Dakota | _ | 0 0 0 | 2 3 1 | 7 — 5 | 12 — 9 | | 0 0 0 | 3 1 1 | 8 <u>-</u> 3 | 7 — 3 | 1 | 0 0 0 | 1 1 1 | 4 - 3 | - 7 -4 |
| S. Atlantic Delaware | 10 | 10 0 0 | 27 1 | 314 3 | 323 11 4 | 6 | 21 0 | 56 3 2 | 609 10 | 756 32 | 9 | 7 0 0 | 25 2 4 | 209 5 1 | 254 7 |
| District of Columbia Florida Georgia Maryland§ | 6 - 2 | 3 1 1 | 5 11 4 6 | 14 92 42 53 | 122 40 34 | 5 - 1 | 0 7 3 2 | 14 10 7 | 1 227 70 62 | 5 265 127 102 | 4 — 2 | 2 1 1 | 9 2 8 | 85 14 41 | 14 97 16 53 |
| North Carolina South Carolina [§] Virginia [§] West Virginia | 2 _ _ | 0 0 1 0 | 11 4 5 1 | 37 12 56 5 | 60 14 34 4 | | 0 1 2 0 | 16 5 8 23 | 79 41 88 31 | 94 56 35 40 | 2 _ _ 1 | 1 0 1 0 | 4 2 4 4 | 29 9 21 4 | 22 3 35 7 |
| E.S. Central Alabama [§] Kentucky Mississippi Tennessee [§] | _ _ _ _ | 2 0 0 0 | 7 2 2 4 5 | 60 10 11 6 33 | 84 9 28 5 42 | 2 2 — — | 6 2 1 0 3 | 17 10 7 8 | 203 71 39 14 79 | 206 64 45 8 | 3 - 2 - 1 | 2 0 1 0 | 7 1 6 1 4 | 63 7 31 — 25 | 57 8 17 3 29 |
| W.S. Central Arkansas [§] Louisiana Oklahoma | 3 | 6 0 1 0 | 43 2 4 3 | 125 8 18 3 | 221 38 12 4 | 12 — — 1 | 18 1 1 | 170 7 4 25 | 482 37 46 21 | 511 43 41 20 | 2 | 1 0 0 | 16 3 1 6 | 59 4 2 4 | 50 3 10 |
| Texas [§] | 3 | 4 | 39 | 96 | 167 | 11 | 14 | 135 | 378 | 407 | 2 | 1 | 13 | 49 | 36 |
| Mountain Arizona Colorado Idaho [§] | 2 1 — | 5 3 1 0 | 15 11 3 1 | 144 98 20 2 | 174 96 29 8 | 2 1 — | 3 0 0 0 | 9 3 2 2 | 115 40 20 8 | 95 — 27 10 | 1 1 — | 2 0 0 0 | 8 4 2 3 | 55 15 11 4 | 70 24 14 6 |
| Montana [§] Nevada [§] New Mexico [§] Utah | 1 | 0 0 0 | 3 2 2 1 | 6 8 5 3 | 6 9 12 12 | 1 - - | 0 1 0 0 | 3 5 2 4 | 27 7 13 | 25 15 18 | _ _ _ | 0 0 0 0 | 1 2 2 2 | 3 6 5 8 | 3 4 3 16 |
| Wyoming§ Pacific | — 13 | 0 13 | 1 92 | 2 427 | 2 744 | — 6 | 0 10 | 1 106 | — 310 | — 317 | _ 1 | 0 2 | 1 11 | 3 74 | 58 |
| Alaska California Hawaii | 9 | 0 10 0 | 1 40 1 | 2 373 3 | 1 706 9 | <u>4</u> | 0 7 0 | 3 31 1 | 230 1 | 3 259 5 | _ _ _ | 0 1 0 | 1 11 1 | 56 1 | 58 |
| Oregon§ Washington | 4 | 1 0 | 2 52 | 20 29 | 28 — | 1 1 | 1 0 | 5 74 | 43 32 | 50 — | | 0 | 1 2 | 5 12 | _ |
| American Samoa C.N.M.I. Guam | U U | <u>0</u> 0 | <u>0</u> 0 | U U | U U | U U | <u>0</u> 0 | <u>0</u> 0 | U | U U | U U | <u>0</u> 0 | <u>0</u> 0 | U U | U |
| Puerto Rico U.S. Virgin Islands | _ U | 1 | 10 | 38 U | 35 U | _ U | 1 | 9 | 41 U | 38 U | | 0 | 2 | 3 U | 1 U |

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 2006 and 2007 are provisional.

* Data for acute hepatitis C, viral are available in Table I.

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

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 18, 2007, and August 19, 2006 (33rd Week)*

| | | | me dise | ase | | | | /lalaria | | | Men | All | serogrou | se, invasi ips | ve [†] |
|--|------------|-----------|------------|----------------|----------------|---------|--------|---------------|----------|-----------|---------|--------|----------------|-------------------|-----------------|
| | Current | Previ | | Cum | Cum | Current | | rious eeks | Cum | Cum | Current | | vious veeks | Cum | Cum |
| Reporting area | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 |
| United States | 372 | 232 | 981 | 9,825 | 12,737 | 17 | 22 | 105 | 623 | 879 | 10 | 19 | 87 | 688 | 783 |
| New England Connecticut | 163 116 | 39 12 | 272 214 | 1,837 1,146 | 3,058 1,225 | 1 | 1 0 | 5 3 | 29 1 | 39 10 | _ | 1 0 | 3 1 | 32 6 | 33 9 |
| Maine§ | 41 | 3 | 38 | 148 | 57 | 1 | 0 | 1 | 5 | 3 | _ | 0 | 3 | 5 | 3 |
| Massachusetts New Hampshire | 5 | 1 6 | 52 55 | 21 445 | 1,212 502 | _ | 0 | 3 4 | 16 6 | 18 7 | _ | 0 | 2 1 | 17 | 16 3 |
| Rhode Island§ | _ | 0 | 93 | 3 | 1 | _ | 0 | 1 | _ | _ | _ | 0 | 1 | 1 | _ |
| Vermont§ | 1 | 1 | 16 | 74 | 61 | _ | 0 5 | 1 | 1 | 1 | _ | 0 | 1 | 3 | 2 |
| Mid. Atlantic New Jersey | 175 3 | 132 27 | 473 60 | 5,214 888 | 6,421 1,915 | 3 | 0 | 18 5 | 143 | 215 66 | 1 | 2 0 | 8 2 | 96 10 | 127 14 |
| New York (Upstate) New York City | 110 | 50 1 | 426 12 | 1,755 40 | 2,052 210 | 2 | 1 3 | 7 8 | 37 87 | 19 103 | _ 1 | 1 0 | 3 4 | 25 25 | 29 48 |
| Pennsylvania | 62 | 44 | 241 | 2,531 | 2,244 | 1 | 1 | 4 | 19 | 27 | | 1 | 5 | 36 | 36 |
| E.N. Central | _ | 6 | 41 | 162 | 1,451 | _ | 2 | 10 | 62 | 98 | _ | 3 | 9 | 91 | 113 |
| Illinois Indiana | _ | 0 0 | 6 4 | 33 21 | 95 16 | _ | 1 0 | 6 2 | 25 5 | 48 8 | _ | 0 | 3 4 | 25 17 | 30 15 |
| Michigan | _ | 1 0 | 6 4 | 29 9 | 36 33 | _ | 0 | 2 2 | 9 | 15 | _ | 0 | 3 | 17 24 | 21 31 |
| Ohio Wisconsin | _ | 3 | 31 | 70 | 1,271 | _ | 0 | 3 | 15 8 | 19 8 | _ | 0 | 3 | 8 | 16 |
| W.N. Central | _ | 5 | 195 | 274 | 326 | _ | 0 | 12 | 22 | 29 | _ | 1 | 5 | 40 | 45 |
| lowa Kansas | _ | 1 0 | 10 2 | 66 10 | 83 3 | _ | 0 | 1 1 | 2 2 | 1 5 | _ | 0 | 3 1 | 10 1 | 11 2 |
| Minnesota | _ | 1 | 188 4 | 177 | 230 | _ | 0 | 12 | 11 | 14 | _ | 0 | 3 | 12 | 10 |
| Missouri Nebraska [§] | _ | 0 0 | 2 | 14 5 | 2 7 | _ | 0 | 1 1 | 2 4 | 5 2 | _ | 0 0 | 3 1 | 10 2 | 13 6 |
| North Dakota South Dakota | _ | 0 | 7 0 | 2 | _ 1 | _ | 0 | 1 1 | <u> </u> | 1 1 | _ | 0 | 3 1 | 2 | 1 2 |
| S. Atlantic | 25 | 48 | 147 | 2,149 | 1,382 | 5 | 5 | 13 | 149 | 230 | 2 | 3 | 11 | 108 | 135 |
| Delaware | 6 | 9 | 33 | 464 | 347 | _ | 0 | 1 | 3 | 5 | _ | 0 | 1 | 1 | 4 |
| District of Columbia Florida | 3 | 0 1 | 7 4 | 13 35 | 27 13 | 5 | 0 1 | 2 7 | 3 36 | 3 35 | 1 | 0 1 | 1 7 | 41 | 1 52 |
| Georgia Maryland§ | 15 | 0 26 | 1 108 | 1 1,130 | 7 810 | _ | 0 1 | 5 5 | 19 36 | 69 53 | _ | 0 | 3 2 | 10 18 | 10 9 |
| North Carolina | 1 | 0 | 6 | 31 | 19 | _ | 0 | 4 | 16 | 17 | _ | 0 | 6 | 14 | 23 |
| South Carolina§ Virginia§ | _ | 0 10 | 2 59 | 14 422 | 10 144 | _ | 0 1 | 1 3 | 5 29 | 8 38 | _ | 0 | 2 2 | 10 12 | 16 15 |
| West Virginia | _ | 0 | 14 | 39 | 5 | _ | 0 | 1 | 2 | 2 | 1 | 0 | 2 | 2 | 5 |
| E.S. Central Alabama [§] | 2 | 1 0 | 5 3 | 36 9 | 20 6 | 1 | 0 0 | 3 2 | 23 4 | 20 8 | 1 | 1 0 | 4 2 | 35 6 | 29 4 |
| Kentucky | _ | 0 | 2 | 3 | 3 | 1 | 0 | 1 | 5 | 3 | _ | 0 | 2 | 7 | 7 |
| Mississippi Tennessee§ | | 0 | 0 4 | 24 | 3 8 | _ | 0 0 | 1 2 | 1 13 | 4 5 | _ 1 | 0 | 4 2 | 9 13 | 3 15 |
| W.S. Central | 1 | 1 | 5 | 39 | 13 | _ | 2 | 29 | 59 | 58 | 1 | 2 | 15 | 75 | 75 |
| Arkansas [§] Louisiana | _ | 0 | 0 1 | _ | _ | _ | 0 0 | 2 | _ 13 | 2 4 | _ | 0 | 2 4 | 8 24 | 8 29 |
| Oklahoma | _ | 0 | 0 | _ | _ | _ | 0 | 3 | 5 | 6 | _ | 0 | 4 | 14 | 8 |
| Texas [§] | 1 | 1 | 5 | 37 | 13 | _ | 1 | 25 | 41 | 46 | 1 | 0 | 11 | 29 | 30 |
| Mountain Arizona | 1 | 1 0 | 3 1 | 24 — | 13 5 | 1 — | 1 0 | 6 3 | 34 5 | 48 17 | 1 | 1 0 | 4 2 | 44 8 | 49 13 |
| Colorado Idaho§ | _ | 0 0 | 1 2 | 1 7 | _ 1 | 1 | 0 0 | 2 | 12 2 | 12 | _ | 0 | 2 1 | 16 3 | 13 15 2 |
| Montana§ | _ | 0 | 1 | 1 | _ | _ | 0 | 1 | 3 | 1 | _ | 0 | 1 | 1 | 3 |
| Nevada [§] New Mexico [§] | 1 | 0 | 2 1 | 7 3 | 1 3 | _ | 0 0 | 1 1 | 2 1 | 2 5 | 1 | 0 | 1 1 | 4 2 | 4 2 |
| Utah | _ | 0 | 2 | 3 | 2 | _ | 0 | 3 | 9 | 11 | _ | 0 | 2 | 8 | 6 |
| Wyoming [§] Pacific | | 0 2 | 1 16 | 2 90 | 1 53 | 6 | 0 | 0 45 | 102 | 142 | 4 | 0 4 | 48 | 2 167 | 4 177 |
| Alaska | 1 | 0 | 1 | 4 | 2 | _ | 0 | 1 | 2 | 21 | _ | 0 | 1 | 1 | 3 |
| California Hawaii | 4 N | 2 0 | 10 0 | 85 N | 47 N | 6 | 2 | 7 1 | 70 2 | 105 8 | 3 | 3 0 | 10 1 | 121 4 | 139 5 |
| Oregon [§] | _ | 0 | 1 8 | 1 | 4 | _ | 0 | 3 | 12 | 8 | _ 1 | 0 | 3 | 24 17 | 30 |
| Washington American Samoa | — U | 0 | 0 | _ U | U | U U | 0 | 43 0 | 16 U | — U | U | 0 | 43 0 | _ | |
| C.N.M.I. | Ü | _ | _ | Ü | U | Ü | _ | _ | U | Ü | U | _ | _ | _ | = |
| Guam Puerto Rico | N | 0 | 0 0 | N | N | _ | 0 0 | 0 1 | 2 | _ | _ | 0 0 | 0 1 | 6 | 5 |
| U.S. Virgin Islands | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 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 2006 and 2007 are provisional.

* Data for meningococcal disease, invasive caused by serogroups A, C, Y, & W-135; serogroup B; other serogroup; and unknown serogroup are available in Table I.

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

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 18, 2007, and August 19, 2006 (33rd Week)*

| | | | Pertussi | s | | | | ies, anim | nal | | Ro | | | otted feve | er |
|--|---------|---------|--------------|------------|--------------|---------|---------|----------------|------------|------------|---------|--------|----------------|------------|-----------|
| | Current | | ious eeks | Cum | Cum | Current | | /ious /eeks | Cum | Cum | Current | | /ious /eeks | Cum | Cum |
| Reporting area | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 |
| United States | 123 | 179 | 1,479 | 5,185 | 8,772 | 58 | 93 | 171 | 2,817 | 3,389 | 58 | 32 | 211 | 1,000 | 1,252 |
| New England | _ | 32 2 | 77 6 | 752 33 | 992 64 | 9 4 | 12 5 | 22 11 | 366 145 | 252 110 | _ | 0 | 10 0 | _ | 9 |
| Connecticut Maine [†] | _ | 2 | 15 | 40 | 49 | 1 | 2 | 8 | 51 | 62 | _ | 0 | 0 | _ | _ |
| Massachusetts New Hampshire | _ | 22 2 | 46 9 | 613 36 | 629 143 | _ 1 | 0 1 | 0 4 | 32 | 25 | _ | 0 | 1 0 | _ | 8 1 |
| Rhode Island† Vermont† | _ | 0 1 | 31 9 | 4 26 | 25 82 | 3 | 0 | 3 13 | 25 113 | 17 38 | _ | 0 | 9 | _ | _ |
| Mid. Atlantic | 19 | 28 | 155 | 740 | 1,092 | _ | 13 | 44 | 424 | 312 | | 1 | 6 | 35 | 62 |
| New Jersey New York (Upstate) | 19 | 2 16 | 16 146 | 77 393 | 195 453 | _ | 0 | 0 | _ | _ | _ | 0 | 3 1 | 3 3 | 31 |
| New York City | _ | 2 | 6 | 76 | 63 | _ | 1 | 5 | 32 | 14 | _ | 0 | 3 | 15 | 17 |
| Pennsylvania E.N. Central | _ 2 | 7 35 | 20 80 | 194 938 | 381 | 8 | 12 2 | 44 21 | 392 | 298 | _ | 0 | 3 9 | 14 | 14 |
| Illinois | _ | 4 | 23 | 88 | 1,279 319 | 7 | 1 | 8 | 158 58 | 104 27 | _ | 0 | 3 | 25 16 | 48 23 |
| Indiana Michigan | 2 | 1 8 | 45 39 | 41 159 | 138 287 | 1 | 0 1 | 1 11 | 8 55 | 8 36 | _ | 0 | 1 1 | 3 3 | 4 2 |
| Ohio Wisconsin | _ | 14 5 | 54 24 | 451 199 | 384 151 | _ | 0 | 9 | 37 | 33 | _ | 0 | 4 0 | 3 | 18 1 |
| W.N. Central | 34 | 14 | 151 | 405 | 829 | 6 | 5 | 17 | 179 | 205 | 3 | 3 | 12 | 120 | 127 |
| lowa Kansas | _ 2 | 4 3 | 16 14 | 101 96 | 208 165 | _ 1 | 0 2 | 7 8 | 21 88 | 39 53 | _ | 0 | 1 1 | 7 2 | 4 |
| Minnesota | 31 | 0 | 119 | 90 | 132 | 1 | 0 | 5 | 18 | 31 | _ | 0 | 2 | 1 | 1 |
| Missouri Nebraska [†] | 1 | 2 1 | 10 4 | 45 29 | 210 75 | 3 | 0 0 | 6 0 | 26 — | 38 | 3 | 2 0 | 12 2 | 99 8 | 104 18 |
| North Dakota South Dakota | _ | 0 0 | 18 6 | 4 40 | 20 19 | 1 | 0 | 6 2 | 13 13 | 14 30 | _ | 0 | 0 1 | _ 3 | _ |
| S. Atlantic | 22 | 19 | 163 | 603 | 701 | 24 | 40 | 63 | 1,277 | 1,512 | 24 | 13 | 67 | 533 | 696 |
| Delaware District of Columbia | _ | 0 0 | 2 2 | 7 2 | 3 3 | _ | 0 0 | 0 0 | _ | _ | _ | 0 0 | 2 1 | 7 1 | 17 1 |
| Florida Georgia | 6 | 4 1 | 18 5 | 155 21 | 135 62 | _ | 0 4 | 28 23 | 80 141 | 176 174 | _ | 0 | 4 5 | 12 14 | 8 32 |
| Maryland [†] North Carolina | — 13 | 2 2 | 8 112 | 70 213 | 97 131 | 9 | 6 9 | 12 19 | 182 320 | 279 321 | 22 | 1 | 7 61 | 39 357 | 52 499 |
| South Carolina† | _ | 2 | 9 | 52 | 114 | _ | 2 | 11 | 46 | 103 | 2 | 1 | 7 | 39 | 24 |
| Virginia [†] West Virginia | 3 | 2 0 | 17 19 | 71 12 | 133 23 | 11 4 | 13 1 | 31 8 | 462 46 | 392 67 | _ | 2 0 | 12 1 | 62 2 | 60 3 |
| E.S. Central | _ | 5 | 24 | 150 | 212 | _ | 4 | 11 | 99 | 161 | 1 | 5 | 27 | 156 | 212 |
| Alabama† Kentucky | _ | 1 0 | 18 3 | 42 5 | 40 47 | _ | 0 0 | 8 3 | 14 | 51 14 | 1 | 1 0 | 9 2 | 43 4 | 55 1 |
| Mississippi Tennessee [†] | _ | 0 2 | 10 7 | 40 63 | 21 104 | _ | 0 2 | 0 7 | — 85 | 4 92 | _ | 0 3 | 1 22 | 2 107 | 3 153 |
| W.S. Central | 7 | 20 | 226 | 576 | 500 | _ | 2 | 35 | 68 | 592 | 28 | 1 | 168 | 105 | 68 |
| Arkansas† Louisiana | 3 | 2 | 17 2 | 112 13 | 55 19 | _ | 0 | 5 1 | 23 | 24 3 | 14 | 0 | 53 1 | 41 2 | 34 1 |
| Oklahoma Texas [†] | 4 | 0 17 | 36 174 | 4 447 | 18 408 | _ | 0 | 22 34 | 45 | 48 517 | 11 3 | 0 | 108 7 | 45 17 | 21 12 |
| Mountain | 19 | 24 | 61 | 696 | 1,838 | 6 | 3 | 28 | 112 | 114 | 2 | 0 | 4 | 22 | 28 |
| Arizona Colorado | 10 | 6 6 | 13 17 | 148 193 | 377 580 | 4 | 2 0 | 10 0 | 77 — | 87 — | 1 | 0 | 2 1 | 2 | 7 4 |
| Idaho† | 3 | 1 | 6 7 | 31 31 | 56 86 | _ | 0 | 24 2 | _ 9 | 10 | 1 | 0 | 3 | 4 1 | 4 |
| Montana† Nevada† | 3 | 0 | 5 | 9 | 56 | _ | 0 | 2 | 2 | 2 | _ | 0 | 1 0 | _ | _ |
| New Mexico [†] Utah | 3 | 2 8 | 8 47 | 40 229 | 64 562 | | 0 | 2 1 | 8 8 | 7 6 | _ | 0 | 1 0 | 4 | 5 |
| Wyoming [†] | _ | 1 | 5 | 15 | 57 | _ | 0 | 2 | 8 | 2 | _ | 0 | 2 | 10 | 6 |
| Pacific Alaska | 20 4 | 13 1 | 547 8 | 325 37 | 1,329 51 | 5 1 | 4 0 | 13 6 | 134 35 | 137 14 | N | 0 | 1 0 | 4 N | 2 N |
| California Hawaii | | 6 0 | 167 2 | 99 14 | 1,114 79 | 4 N | 3 | 12 0 | 93 N | 111 N | | 0 | 1 | 2 N | N |
| Oregon [†] | = | 1 | 11 | 59 | 85 | | Ō | 3 | 6 | 12 | _ | Ö | Ĭ | 2 | 2 |
| Washington | 16 | 1 | 377 | 116 | _ | _ | 0 | 0 | _ | _ | N | 0 | 0 | N | N |
| American Samoa C.N.M.I. | U U | 0 | | U U | U | U U | 0 | 0 | U U | U U | U | 0 | 0 | U | U |
| Guam Puerto Rico | _ | 0 | 7 1 | _ | 43 1 | _ 1 | 0 1 | 0 5 | 35 | — 58 | N N | 0 | 0 | N N | N N |
| U.S. Virgin Islands | U | Ő | Ö | U | Ú | Ú | Ö | Ö | Ü | Ü | Ü | Ö | Ö | Ü | Ü |

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 2006 and 2007 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 August 18, 2007, and August 19, 2006 (33rd Week)*

| Previous Previou | |
|--|------------|
| New England | Cum |
| New England | 2006 |
| Connecticut | 7,311 |
| Massachusetts | 195 67 |
| New Hampshire | 3 113 |
| Vermont Vermont | 4 5 |
| New Jersey | 3 |
| New York (Upstate) 34 29 112 844 687 778 - | 616 246 |
| Pennsylvania 22 33 65 1,125 1,002 3 3 47 84 70 10 2 21 129 | 153 |
| Illinois | 163 54 |
| Indiana | 788 |
| Ohio — 25 67 811 758 — 3 18 77 85 — 6 68 619 Wisconsin 2 16 49 487 578 — 2 41 75 80 — 4 13 140 W.N. Central 38 49 102 1,573 1,558 16 12 45 379 378 11 44 156 1,236 Iowa — 9 26 281 270 — 2 38 81 86 — 2 14 48 Kansas 7 7 20 245 215 1 0 4 32 18 1 1 10 19 Minnesota 7 13 44 405 390 7 4 26 138 97 4 5 24 155 Missouri 17 14 31 | 339 85 |
| W.N. Central 38 49 102 1,573 1,558 16 12 45 379 378 11 44 156 1,236 lowa — 9 26 281 270 — 2 38 81 86 — 2 14 48 Kansas 7 7 20 245 215 1 0 4 32 18 1 1 10 19 Minnesota 7 13 44 405 390 7 4 26 138 97 4 5 24 155 Missouri 17 14 31 389 451 6 2 9 63 115 5 18 72 897 Nebraska§ 4 4 11 133 123 2 1 11 45 35 — 1 14 14 North Dakota 3 0 23 <td>113 102</td> | 113 102 |
| lowa — 9 26 281 270 — 2 38 81 86 — 2 14 48 Kansas 7 7 20 245 215 1 0 4 32 18 1 1 1 10 19 Minnesota 7 13 44 405 390 7 4 26 138 97 4 5 24 155 Missouri 17 14 31 389 451 6 2 9 63 115 5 18 72 897 Nebraska [§] 4 4 11 133 123 2 1 11 45 35 — 1 14 14 North Dakota 3 0 23 22 17 — 0 12 1 2 1 0 127 5 South Dakota 163 216 40 | 149 |
| Minnesota 7 13 44 405 390 7 4 26 138 97 4 5 24 155 Missouri 17 14 31 389 451 6 2 9 63 115 5 18 72 897 Nebraska [§] 4 4 11 133 123 2 1 11 45 35 — 1 14 14 North Dakota 3 0 23 22 17 — 0 12 1 2 1 0 127 5 South Dakota — 2 11 98 92 — 0 5 19 25 — 4 30 98 S. Atlantic 163 216 401 5,911 6,080 11 15 37 399 323 39 85 174 2,930 Delaware 2 3 <td< td=""><td>993 62</td></td<> | 993 62 |
| Nebraska [§] 4 4 11 133 123 2 1 11 45 35 — 1 14 14 North Dakota 3 0 23 22 17 — 0 12 1 2 1 0 127 5 South Dakota — 2 11 98 92 — 0 5 19 25 — 4 30 98 S. Atlantic 163 216 401 5,911 6,080 11 15 37 399 323 39 85 174 2,930 Delaware 2 3 10 89 84 — 0 3 10 6 — 0 1 7 District of Columbia — 0 4 16 36 — 0 1 1 1 — 0 5 4 Florida 112 85 176 <td>77 73</td> | 77 73 |
| North Dakota 3 0 23 22 17 — 0 12 1 2 1 0 127 5 South Dakota — 2 11 98 92 — 0 5 19 25 — 4 30 98 S. Atlantic 163 216 401 5,911 6,080 11 15 37 399 323 39 85 174 2,930 Delaware 2 3 10 89 84 — 0 3 10 6 — 0 1 7 District of Columbia — 0 4 16 36 — 0 1 1 1 — 0 5 4 Florida 112 85 176 2,406 2,543 5 2 8 97 53 35 46 76 1,586 Georgia — 31 7 | 473 78 |
| S. Atlantic 163 216 401 5,911 6,080 11 15 37 399 323 39 85 174 2,930 Delaware 2 3 10 89 84 — 0 3 10 6 — 0 1 7 District of Columbia — 0 4 16 36 — 0 1 1 — 0 5 4 Florida 112 85 176 2,406 2,543 5 2 8 97 53 35 46 76 1,586 Georgia — 31 73 965 984 — 2 6 48 51 — 34 92 1,074 Maryland§ 16 15 32 496 424 3 2 10 62 55 3 2 9 64 | 30 200 |
| Delaware 2 3 10 89 84 — 0 3 10 6 — 0 1 7 District of Columbia — 0 4 16 36 — 0 1 1 1 — 0 5 4 Florida 112 85 176 2,406 2,543 5 2 8 97 53 35 46 76 1,586 Georgia — 31 73 965 984 — 2 6 48 51 — 34 92 1,074 Maryland§ 16 15 32 496 424 3 2 10 62 55 3 2 9 64 | 1,681 |
| Florida 112 85 176 2,406 2,543 5 2 8 97 53 35 46 76 1,586 Georgia — 31 73 965 984 — 2 6 48 51 — 34 92 1,074 Maryland§ 16 15 32 496 424 3 2 10 62 55 3 2 9 64 | 6 |
| Maryland [§] 16 15 32 496 424 3 2 10 62 55 3 2 9 64 | 776 |
| | 602 74 |
| North Carolina 18 29 130 788 814 2 2 24 81 56 — 1 14 49 South Carolina [§] 10 17 51 514 568 — 0 2 10 8 1 1 6 68 | 101 71 |
| Virginia \S — 20 58 528 570 — 3 11 80 89 — 2 9 71 West Virginia 5 1 31 109 57 1 0 5 10 4 — 0 6 7 | 41 2 |
| E.S. Central 38 56 136 1,562 1,567 7 4 25 159 173 23 21 89 909 | 399 |
| Alabama§ 18 14 78 452 463 3 0 18 50 15 6 8 67 355 Kentucky 10 9 23 323 266 1 1 8 48 49 14 3 32 227 | 117 156 |
| Mississippi — 11 101 293 407 — 0 3 2 6 — 3 76 206 Tennessee [§] 10 18 34 494 431 3 2 8 59 103 3 3 14 121 | 48 78 |
| W.S. Central 29 86 595 2,090 2,636 1 4 73 110 111 5 39 655 936 | 1,056 |
| Arkansas [§] 6 15 45 367 472 — 1 7 19 20 1 2 10 65 Louisiana — 17 48 376 585 — 0 2 3 12 — 8 25 279 | 56 101 |
| Oklahoma 23 8 103 273 260 — 0 17 14 10 4 2 63 70 Texas [§] — 44 470 1,074 1,319 1 2 68 74 69 — 22 580 522 | 69 830 |
| Mountain 35 45 90 1,343 1,618 25 8 34 292 275 15 18 84 481 | 646 |
| Arizona 12 13 44 380 474 1 2 9 69 49 9 9 37 257 Colorado 13 10 21 337 431 9 1 7 52 70 2 3 15 68 | 342 107 |
| Idaho§ 4 3 8 82 111 7 2 16 82 48 — 0 2 8 Montana§ — 2 6 53 88 — 0 0 — — — 0 13 14 | 12 6 |
| Nevada [§] 1 4 10 123 134 — 0 5 16 18 3 1 20 25 | 62 |
| Utah 5 4 14 179 179 8 1 14 50 53 — 1 4 16 | 78 35 |
| Wyoming [§] — 1 4 47 35 — 0 3 — 10 1 1 19 29 Pacific 85 111 890 3,220 3,000 5 5 164 227 59 37 29 256 724 | 4 937 |
| Alaska 4 1 5 54 50 N 0 0 N N — 0 2 7 | 6 |
| California 62 94 260 2,415 2,547 2 1 15 125 N 33 24 84 584 Hawaii 1 5 16 161 142 — 0 3 15 11 1 0 3 17 | 816 27 |
| Oregon§ 2 7 17 200 259 1 1 9 37 48 — 1 6 46 Washington 16 5 625 390 2 2 0 162 50 — 3 1 170 70 | 88 |
| American Samoa U 0 0 U U U 0 0 U U 0 0 U | U |
| C.N.M.I. U — — U U U — — U U U — — U Guam — 0 0 — — N 0 0 N N — 0 0 — | <u>U</u> |
| Puerto Rico 3 14 66 378 304 — 0 0 — — — 0 4 17 U.S. Virgin Islands U 0 U U U U U U U U U U 0 U | 29 U |

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 2006 and 2007 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 August 18, 2007, and August 19, 2006 (33rd Week)*

| (33rd Week)* | Stre | ptococcal | disease. | invasive, g | oup A | Streptoco | ccus | | ae, invasiv Age <5 ye | | nondrug resistant [†] | |
|---|-------------------|-----------------------|----------------------|-------------------------|--------------------------|-------------|-------------------|------------------|--------------------------|-----------------------|--------------------------------|---|
| Reporting area | Current week | Prev | ious eeks Max | Cum 2007 | Cum 2006 | | rent ek | Prev | rious eeks Max | Cum 2007 | Cum 2006 | • |
| United States | 31 | 93 | 261 | 3,455 | 3,805 | | 7 | 30 | 110 | 1,040 | 865 | |
| New England Connecticut Maine [§] | _ _ _ | 6 0 0 | 27 23 3 | 285 91 21 | 251 68 15 | - | - - | 3 0 0 | 11 6 1 | 76 1 | 72 23 — | |
| Massachusetts New Hampshire Rhode Island [§] Vermont [§] | _ _ _ | 3 0 0 0 | 12 4 12 2 | 131 27 — 15 | 127 28 4 9 | - | - - - | 2 0 0 0 | 6 2 3 1 | 58 7 8 2 | 42 6 1 | |
| Mid. Atlantic New Jersey New York (Upstate) New York City | 1 _ _ | 16 2 5 3 | 41 9 27 12 | 659 89 222 154 | 710 121 229 129 | - - - | _ _ _ | 5 1 2 | 27 4 15 25 | 170 21 75 74 | 125 46 65 14 | |
| Pennsylvania E.N. Central | 1 3 | 5 16 | 11 | 194 599 | 231 748 | 1 | N 1 | 0 5 | 0 | N 160 | N 233 | |
| Illinois Indiana Michigan Ohio | 3 — | 4 2 3 3 | 13 17 10 14 | 149 99 151 174 | 228 88 157 191 | - | 1 - | 1 0 1 1 | 6 10 4 7 | 38 15 55 44 | 61 42 54 46 | |
| Wisconsin W.N. Central | _ 1 _ | 1 5 | 6 32 0 | 26 233 — | 84 248 — | | 1 | 0 2 0 | 2 8 | 8 73 | 30 68 — | |
| lowa Kansas Minnesota Missouri Nebraska [§] | _ _ _ | 0 0 0 2 0 | 3 29 6 3 | 28 116 53 18 | 45 116 49 22 | - - - | - - - 1 | 0 1 0 0 | 0 1 6 2 2 | 1 51 13 7 | | |
| North Dakota South Dakota | | 0 0 | 2 2 | 11 7 | 8 8 | _ | _ | 0 | 2 0 | _ | <u>3</u> | |
| S. Atlantic Delaware District of Columbia Florida | 13 — — 6 | 21 0 0 6 | 52 2 3 16 | 861 7 8 207 | 836 7 9 195 | - | 1 - - | 3 0 0 0 | 14 0 1 5 | 191 — — 41 | 56 — — — | |
| Georgia Maryland [§] North Carolina South Carolina [§] | 1 6 — | 5 4 0 1 | 12 10 22 7 | 160 156 126 74 | 174 157 126 53 | - - - | - - - | 0 1 0 0 | 5 6 0 3 | 44 46 — 25 | 46 — | |
| Virginia [§] West Virginia | _ | 2 | 11 3 | 103 20 | 95 20 | | 1 | 0 | 4 4 | 28 7 | 10 | |
| E.S. Central Alabama [§] Kentucky Mississippi | 3 N — N | 4 0 1 0 | 13 0 3 0 | 158 N 32 N | 155 N 36 N | - - | 2 N — | 1 0 0 0 | 6 0 0 2 | 62 N — 3 | 15 N — 15 | |
| Tennessee [§] W.S. Central Arkansas [§] | 3 5 — | 3 6 0 | 13 90 2 | 126 224 17 | 119 283 21 | | 2 1 – | 0 4 0 | 6 45 2 | 59 150 | — 143 | |
| Louisiana Oklahoma Texas [§] | — — — 5 | 0 1 3 | 4 23 64 | 16 53 138 | 13 72 177 | - | _ 1 _ | 0 1 1 | 4 15 27 | 7 24 37 82 | 17 17 29 80 | |
| Mountain Arizona Colorado | 3 | 9 4 3 | 20 11 9 | 344 105 115 | 502 261 87 | | 1 | 4 2 1 | 12 7 4 | 134 77 32 | 138 78 35 | |
| Idaho [§] Montana [§] Nevada [§] | 1 N | 0 0 0 | 2 0 1 | 10 N 2 | 7 N | - - | N | 0 0 0 | 1 0 1 | 2 N 1 | 1 N 2 | |
| New Mexico [§] Utah Wyoming [§] | | 1 2 0 | 5 7 1 | 36 71 5 | 95 49 3 | - | _ _ _ | 0 0 0 | 4 2 0 | 18 4 — | 22 — — | |
| Pacific Alaska California Hawaii | 2 2 N | 3 0 0 2 | 9 3 0 9 | 92 25 N 67 | 72 N N 72 | I | _ N _ | 1 0 0 0 | 4 2 0 2 | 24 22 N 2 | 15 — N 15 | |
| Oregon [§] Washington | N N | 0 0 | 0 | N N | N N | I | N N | 0 | 0 | N N | N N | |
| American Samoa C.N.M.I. Guam | U U — | 0 - 0 | 0 - 0 | U U — | U U — | 1 | U U N | 0 - 0 | 0 - 0 | U U N | U U N | |
| Puerto Rico U.S. Virgin Islands | U | 0 | 0 | U | U | | N U | 0 | 0 | N U | N U | |

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 2006 and 2007 are provisional.

† Includes cases of invasive pneumococcal disease, in children aged <5 years, caused by *S. pneumoniae*, which is susceptible or for which susceptibility testing is not available (NNDSS event code 11717).

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

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 18, 2007, and August 19, 2006 (33rd Week)*

| | | Str | eptococo All ages | | oniae, inva | sive diseas | | sistant† <5 year | | | e | nhilie = | imanı a- | d second | arv |
|--|-----------------|---------|----------------------|-------------|-------------|-----------------|--------|---------------------|-------------|-------------|-----------------|----------|--------------|-------------|-------------|
| | | Prev | | <u> </u> | | | | ious | S | | Sy | | vious | a secona | агу |
| Reporting area | Current week | 52 we | | Cum 2007 | Cum 2006 | Current week | | eeks Max | Cum 2007 | Cum 2006 | Current week | | veeks Max | Cum 2007 | Cum 2006 |
| United States | 9 | 47 | 256 | 1,547 | 1,674 | 3 | 8 | 35 | 277 | 256 | 136 | 198 | 310 | 6,230 | 5,886 |
| New England | _ | 1 | 12 | 34 | 93 | _ | 0 | 3 | 6 | 2 | 5 | 4 | 13 | 150 | 138 |
| Connecticut | _ | 0 | 5 | _ | 70 | _ | 0 | 0 | _ | _ | 1 | 0 | 10 | 22 | 28 7 |
| Maine§ Massachusetts | _ | 0 0 | 2 0 | 9 | 6 | _ | 0 0 | 2 0 | 1 | 1 | | 0 2 | 1 8 | 3 89 | 85 |
| New Hampshire | _ | 0 | 0 | | _ | _ | 0 | 0 | _ | _ | 1 | 0 | 3 | 21 | 9 |
| Rhode Island§ Vermont§ | _ | 0 0 | 4 2 | 14 11 | 8 9 | _ | 0 0 | 1 1 | 3 2 | 1 | 1 | 0 0 | 5 1 | 14 1 | 7 2 |
| Mid. Atlantic | 2 | 2 | 9 | 91 | 104 | _ | 0 | 5 | 22 | 14 | 14 | 27 | 45 | 984 | 716 |
| New Jersey New York (Upstate) | | 0 1 | 0 5 | 32 | 33 | _ | 0 | 0 4 | 8 | 7 | 2 6 | 4 3 | 8 14 | 114 88 | 110 92 |
| New York City | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | _ | 16 | 35 | 611 | 339 |
| Pennsylvania | _ | 1 | 6 | 59 | 71 | _ | 0 | 2 | 14 | 7 | 6 | 5 | 10 | 171 | 175 |
| E.N. Central Illinois | 1 | 9 0 | 40 4 | 381 13 | 367 19 | _ | 1 0 | 7 1 | 49 2 | 56 5 | 3 | 15 7 | 27 15 | 493 231 | 565 285 |
| Indiana | 1 | 2 | 31 | 99 | 96 | _ | 0 | 5 | 13 | 15 | _ | 1 | 6 | 34 | 51 |
| Michigan Ohio | _ | 0 5 | 1 38 | 2 267 | 15 237 | _ | 0 1 | 1 5 | 1 33 | 2 34 | | 2 | 8 9 | 74 113 | 70 119 |
| Wisconsin | N | 0 | 0 | N | N | _ | Ö | 0 | _ | _ | 1 | 1 | 4 | 41 | 40 |
| W.N. Central | 1 | 2 | 124 0 | 108 | 30 | _ | 0 | 15 0 | 7 | 1 | 8 | 6 0 | 14 3 | 214 10 | 184 |
| Iowa Kansas | 1 | 0 | 10 | 60 | _ | _ | 0 | 2 | 3 | _ | 2 | 0 | 3 | 14 | 13 15 |
| Minnesota Minnesota | _ | 0 1 | 123 | 40 | | _ | 0 | 15 | _ | _ | _ | 1 | 5 | 50 | 34 |
| Missouri Nebraska [§] | _ | 0 | 5 1 | 40 2 | 29 — | _ | 0 | 1 0 | _ | 1 | 6 | 3 0 | 12 2 | 135 2 | 112 3 |
| North Dakota South Dakota | _ | 0 | 0 3 | <u> </u> | <u> </u> | _ | 0 | 0 | <u> </u> | _ | _ | 0 | 0 2 | | 1 |
| S. Atlantic | 4 | 21 | 59 | 698 | 806 | _ 2 | 4 | 15 | 141 | 123 | 47 | 46 | 180 | ە 1,435 | 1,303 |
| Delaware | _ | 0 | 1 | 5 | _ | _ | 0 | 1 | 2 | _ | 1 | 0 | 3 | 1,435 | 16 |
| District of Columbia Florida | <u> </u> | 0 11 | 2 29 | 5 409 | 19 427 | _ 2 | 0 2 | 0 8 | — 82 | 2 79 | 2 17 | 2 15 | 12 25 | 111 508 | 74 472 |
| Georgia | _ | 7 | 17 | 231 | 270 | _ | 1 | 10 | 49 | 79 42 | | 7 | 153 | 200 | 210 |
| Maryland§ North Carolina | _ | 0 | 1 0 | 1 | _ | _ | 0 | 0 | _ | _ | 10 6 | 6 5 | 15 23 | 195 212 | 195 189 |
| South Carolina | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | 2 | 1 | 10 | 62 | 45 |
| Virginia [§] West Virginia | N | 0 1 | 0 17 | N 47 | N 90 | _ | 0 | 0 1 | 8 | _ | 9 | 4 0 | 17 2 | 134 5 | 98 4 |
| E.S. Central | 1 | 3 | 9 | 106 | 139 | 1 | 0 | 3 | 22 | 24 | 12 | 16 | 29 | 517 | 421 |
| Alabama§ | Ń | 0 | 0 | N | N | | 0 | 0 | _ | _ | 3 | 6 | 15 | 199 | 183 |
| Kentucky Mississippi | _ | 0 0 | 2 2 | 17 | 26 18 | _ | 0 | 1 0 | 2 | 6 | 4 | 1 2 | 7 9 | 38 65 | 42 41 |
| Tennessee§ | 1 | 2 | 8 | 89 | 95 | 1 | 0 | 3 | 20 | 18 | 5 | 6 | 14 | 215 | 155 |
| W.S. Central | _ | 1 | 10 | 90 | 63 | _ | 0 | 3 | 15 | 6 | 41 | 32 | 55 | 1,067 | 929 |
| Arkansas [§] Louisiana | _ | 0 1 | 1 3 | 1 45 | 9 54 | _ | 0 | 0 2 | <u> </u> | 2 4 | 11 | 1 7 | 8 29 | 70 257 | 45 152 |
| Oklahoma | _ | 0 | 8 | 44 | _ | _ | 0 | 2 | 9 | _ | _ | 1 | 4 | 35 | 41 |
| Texas [§] | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | 30 | 21 | 38 | 705 | 691 |
| Mountain Arizona | _ | 1 0 | 5 0 | 39 | 72 — | _ | 0 | 3 0 | 14 | 30 | 6 | 7 3 | 20 12 | 210 83 | 327 129 |
| Colorado | _ | 0 | 0 | | | _ | 0 | 0 | _ | _ | _ | 1 | 5 | 22 | 50 |
| Idaho [§] Montana [§] | N — | 0 | 0 | N | N | _ | 0 | 0 | _ | _ | _ | 0 | 1 | 1 | 2 |
| Nevada§ | _ | 0 | 3 | 16 | 15 | _ | 0 | 2 | 5 | 1 | 6 | 2 | 12 | 67 | 91 |
| New Mexico [§] Utah | _ | 0 | 0 5 | — 13 | 29 | _ | 0 | 0 3 | 8 | 21 | _ | 1 0 | 7 2 | 31 4 | 44 10 |
| Wyoming [§] | _ | Ö | 2 | 10 | 28 | _ | Ö | 1 | 1 | 8 | _ | Ö | 1 | 1 | _ |
| Pacific | _ | 0 | 0 | _ | _ | _ | 0 | 1 0 | 1 | _ | _ | 38 0 | 57 | 1,160 | 1,303 6 |
| Alaska California | N | 0 | 0 | N | N | _ | 0 | 0 | _ | _ | _ | 36 | 1 54 | 4 1,065 | 1,145 |
| Hawaii Orogan [§] | N | 0 | 0 | | | _ | 0 | 1 | 1 | _ | _ | 0 | 1 | 5 | 14 |
| Oregon [§] Washington | N N | 0 | 0 0 | N N | N N | _ | 0 | 0 | _ | _ | _ | 0 2 | 6 11 | 11 75 | 13 125 |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 1 | U | U | U | 0 | 0 | U | U |
| C.N.M.I. Guam | U N | | | U N | U N | U | | | U | U | U | | _ 1 | U 3 | U |
| Puerto Rico | N | 0 | 0 | N | N | _ | 0 | 0 | _ | _ | 3 | 3 | 11 | 95 | 89 |
| U.S. Virgin Islands | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |

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: Max* Incidence data for reporting years 2006 and 2007 are provisional.
Includes cases of invasive pneumococcal disease caused by drug-resistant *S. pneumoniae* (DRSP) (NNDSS event code 11720). Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending August 18, 2007, and August 19, 2006 (33rd Week)*

| | | | ella (chick | (enpox) | | | | roinvasiv | Nile virus ve | aisease | | | neuroinva | asive§ | |
|--|---------|-----------|----------------|--------------|----------------|---------|--------|----------------|------------------|-----------|----------|--------|----------------|----------|------------|
| | Current | | rious reeks | Cum | Cum | Current | | rious reeks | Cum | Cum | Current | | vious veeks | Cum | Cum |
| Reporting area | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 |
| United States | 116 | 795 | 2,813 | 24,780 | 31,416 | 2 | 1 | 178 | 179 | 848 | 6 | 2 | 383 | 397 | 1,649 |
| New England | 1 | 18 | 124 | 478 | 3,147 | _ | 0 | 3 | 2 | 2 | _ | 0 | 2 | _ | 1 |
| Connecticut Maine ¹ | _ | 0 0 | 76 7 | 1 | 1,105 170 | _ | 0 0 | 3 0 | _2 | 2 | _ | 0 | 1 0 | _ | 1 |
| Massachusetts | _ 1 | 0 8 | 2 17 | 212 | 1,140 241 | _ | 0 | 1 0 | _ | _ | _ | 0 | 1 0 | _ | _ |
| New Hampshire Rhode Island ¹ | | 0 | 0 | | _ | _ | 0 | Ö | _ | _ | _ | 0 | 0 | _ | _ |
| Vermont [¶] | _ | 9 | 66 | 265 | 491 | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ |
| Mid. Atlantic New Jersey | 36 N | 110 0 | 195 0 | 3,078 N | 3,334 N | _ | 0 | 11 2 | 1 | 11 2 | _ | 0 | 2 1 | _ | 7 1 |
| New York (Upstate) | N | 0 | 0 | N | N | _ | 0 | 5 | _ | 2 | _ | 0 | 1 | _ | 2 |
| New York City Pennsylvania | 36 | 0 110 | 0 195 | 3,078 | 3,334 | _ | 0 | 4 2 | _ 1 | 3 4 | _ | 0 | 1 0 | _ | 3 1 |
| E.N. Central | 1 | 229 | 568 | 7,053 | 10,354 | _ | 0 | 42 | 9 | 81 | _ | 0 | 33 | 3 | 69 |
| Illinois | 1 | 2 | 11 | 98 | 94 | _ | 0 | 24 | 8 | 52 | _ | 0 | 22 12 | 3 | 45 |
| Indiana Michigan | _ | 0 97 | 0 258 | 2,861 | 3,075 | _ | 0 0 | 5 10 | _ | 9 7 | _ | 0 | 4 | _ | 12 3 |
| Ohio Wisconsin | _ | 107 19 | 449 80 | 3,309 785 | 6,434 751 | _ | 0 | 11 2 | 1 | 7 6 | _ | 0 | 3 2 | _ | 3 6 |
| W.N. Central | 5 | 32 | 136 | 1,214 | 1,250 | 1 | 0 | 37 | 52 | 137 | _ | 0 | 75 | 146 | 320 |
| Iowa | Ň | 0 | 0 | N | N | _ | 0 | 3 | 1 | 11 | _ | 0 | 4 | 2 | 11 |
| Kansas Minnesota | _ | 9 | 52 0 | 430 | 237 | _ | 0 | 2 7 | 3 11 | 13 18 | _ | 0 | 2 6 | 3 13 | 9 24 |
| Missouri | 5 | 16 | 78 | 640 | 945 | _ | 0 | 14 | 2 | 27 | _ | 0 | 2 | 3 | 4 |
| Nebraska [¶] North Dakota | N — | 0 | 0 60 | N 84 | N 34 | _ | 0 0 | 9 4 | 2 8 | 31 13 | _ | 0 | 38 24 | 25 44 | 117 98 |
| South Dakota | _ | 2 | 15 | 60 | 34 | 1 | 0 | 8 | 25 | 24 | _ | 0 | 12 | 56 | 57 |
| S. Atlantic Delaware | 10 | 96 1 | 239 6 | 3,244 24 | 3,063 45 | _ | 0 | 2 | 6 | 9 | _ | 0 | 7 0 | 4 | 1 |
| District of Columbia | _ | 0 | 8 | 14 | 24 | _ | 0 | 0 | _ | _ | _ | 0 | 1 | _ | 1 |
| Florida Georgia | 7 N | 16 0 | 81 0 | 813 N | N N | _ | 0 | 1 1 | 3 2 | 3 2 | _ | 0 | 0 4 | 4 | _ |
| Maryland ¹ | N | 0 | 0 | N | N | _ | 0 | 2 | _ | 3 | _ | 0 | 1 | _ | _ |
| North Carolina South Carolina ¹ | _ | 0 18 | 0 72 | <u> </u> | 805 | _ | 0 | 1 1 | _ | _ | _ | 0 | 0 | _ | _ |
| Virginia [¶] West Virginia | 2 1 | 26 23 | 190 50 | 961 737 | 1,158 1,031 | _ | 0 | 1 0 | 1 | _ 1 | _ | 0 | 2 | _ | _ |
| E.S. Central | 3 | 3 | 571 | 337 | 27 | | 0 | 15 | 12 | 67 | | 0 | 17 | 10 | 49 |
| Alabama ¹ | 3 | 3 | 571 | 335 | 26 | _ | 0 | 2 | 5 | 5 | _ | 0 | 1 | 2 | _ |
| Kentucky Mississippi | N | 0 | 0 2 | N 2 | N 1 | _ | 0 0 | 2 10 | 1 6 | <u> </u> | _ | 0 0 | 1 16 | 8 | 47 |
| Tennessee [¶] | N | Ö | 0 | N | Ň | _ | Ö | 5 | _ | 8 | _ | Ö | 2 | _ | 2 |
| W.S. Central | 46 | 181 | 1,640 | 7,501 | 8,369 | _ | 0 | 36 | 17 | 259 | _ | 0 | 26 | 9 | 121 |
| Arkansas¹ Louisiana | 18 | 13 2 | 105 11 | 530 91 | 608 181 | _ | 0 0 | 5 12 | 3 1 | 18 53 | _ | 0 | 1 10 | 1 | 5 44 |
| Oklahoma Texas ¹ | 28 | 0 163 | 0 1,534 | 6,880 | 7,580 | _ | 0 | 3 17 | 4 9 | 17 171 | _ | 0 | 4 16 | 4 4 | 7 65 |
| Mountain | 14 | 56 | 131 | 1,850 | 1,872 | _ | 0 | 53 | 37 | 233 | 1 | 1 | 211 | 148 | 907 |
| Arizona | _ | 0 | 0 | · — | · — | _ | 0 | 10 | 10 | 6 | _ | 0 | 14 | 6 | 6 |
| Colorado Idaho ¹ | 8 N | 22 0 | 62 0 | 707 N | 985 N | _ | 0 | 11 25 | 10 1 | 33 116 | _ 1 | 0 | 51 114 | 62 23 | 154 583 |
| Montana ¹ | _ | 5 | 40 | 285 | N | _ | 0 | 2 | 1 | 7 | | 0 | 8 | 5 | 16 |
| Nevada ¹ New Mexico ¹ | 1 | 0 6 | 1 37 | 1 291 | 9 301 | _ | 0 | 5 3 | 1 6 | 30 1 | _ | 0 | 17 2 | 2 5 | 67 2 |
| Utah | 5 | 15 0 | 73 | 548 | 544 33 | _ | 0 | 8 7 | 2 6 | 34 6 | _ | 0 | 17 16 | 2 | 57 |
| Wyoming ¹ Pacific | _ | 0 | 11 9 | 18 25 | - 33 | 1 | 0 | 13 | 43 | 49 | <u> </u> | 0 | 32 | 43 77 | 22 174 |
| Alaska | _ | 0 | 9 | 25 | N | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ |
| California Hawaii | _ | 0 | 0 | _ | N | 1 | 0 | 13 0 | 43 | 46 | 5 | 0 | 22 0 | 77 | 129 |
| Oregon ¹ | N | 0 | Ō | N | N | _ | 0 | 2 | _ | 3 | _ | 0 | 10 | _ | 43 |
| Washington | N | 0 | 0 | N U | N | _ | 0 | 0 | _ | _ | _ | 0 | 1 | | 2 |
| American Samoa C.N.M.I. | U U | 0 | 0 | Ū | U U | U U | 0 | 0 | U U | U U | U U | 0 | 0 | U U | U U |
| Guam Puerto Rico | _ 1 | 6 13 | 30 31 | 130 460 | 159 381 | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ |
| U.S. Virgin Islands | Ü | 0 | 0 | 460 U | 361 U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |

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.

I Incidence data for reporting years 2006 and 2007 are provisional.

Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data

for California serogroup, eastern equine, Powassan, St. Louis, and western equine diseases are available in Table I.

Not notifiable in all states. Data from states where the condition is not notifiable are excluded from this table, except in 2007 for the domestic arboviral diseases and influenza
associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.

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

| TABLE III. Deaths | in 122 U. | | | | | 18, 2 | 007 (33ı | d Week) | Allor | unaa hi | , 000 (110 | oro) | | | |
|------------------------------------|-------------|-------------|-----------|-----------|---------|----------|------------------|---|-------------|-----------|------------|---------|--------------|---------|------------------|
| | A11 | All C | auses, b | y age (ye | ars) | | P&I [†] | | | auses, by | age (ye | ars) | | | P&I [†] |
| Reporting Area | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | Total | Reporting Area | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | Total |
| New England | 506 | 346 | 109 | 28 | 7 | 16 | 40 | S. Atlantic | 1,048 | 611 U | 273 U | 94 U | 35 | 35 U | 43 U |
| Boston, MA Bridgeport, CT | 148 30 | 92 24 | 35 4 | 13 | 3 | 5 2 | 15 2 | Atlanta, GA Baltimore, MD | U 153 | 82 | 45 | 15 | U 6 | 5 | 10 |
| Cambridge, MA | 12 | 7 | 3 | 2 | _ | _ | 2 | Charlotte, NC | 114 | 71 | 26 | 8 | 2 | 7 | 5 |
| Fall River, MA | 16 | 11 | 3 | 2 | _ | _ | 1 | Jacksonville, FL | 146 | 85 | 43 | 13 | 2 | 3 | 8 |
| Hartford, CT Lowell, MA | 38 12 | 29 9 | 6 1 | 1 2 | 2 | _ | 1 | Miami, FL Norfolk, VA | 139 57 | 83 32 | 30 18 | 12 6 | 7 1 | 7 | 6 1 |
| Lynn, MA | 7 | 3 | 3 | 1 | _ | _ | _ | Richmond, VA | 53 | 27 | 16 | 6 | 2 | 2 | 3 |
| New Bedford, MA | 22 | 17 | 4 | 1 | _ | _ | 2 | Savannah, GA | 54 | 35 | 12 | 5 | 1 | 1 | 2 |
| New Haven, CT Providence, RI | 51 60 | 37 46 | 12 11 | 1 | 1 | 1 2 | 9 3 | St. Petersburg, FL Tampa, FL | 38 170 | 26 110 | 8 38 | 1 14 | 1 4 | 2 | 1 6 |
| Somerville, MA | 3 | 3 | | | _ | _ | _ | Washington, D.C. | 107 | 46 | 34 | 14 | 9 | 4 | _ |
| Springfield, MA | 37 | 20 | 8 | 3 | _ | 6 | 1 | Wilmington, DE | 17 | 14 | 3 | _ | _ | _ | 1 |
| Waterbury, CT Worcester, MA | 23 47 | 12 36 | 10 9 | _ | 1 | _ | 1 3 | E.S. Central | 767 | 489 | 188 | 55 | 20 | 15 | 58 |
| | | | | | | | | Birmingham, AL | 146 | 87 | 37 | 11 | 4 | 7 | 10 |
| Mid. Atlantic Albany, NY | 1,959 66 | 1,371 43 | 365 14 | 128 6 | 55 1 | 39 2 | 89 4 | Chattanooga, TN Knoxville, TN | 61 84 | 42 56 | 15 21 | 2 6 | 1 1 | 1 | 3 11 |
| Allentown, PA | 28 | 23 | 3 | _ | 2 | _ | 1 | Lexington, KY | 62 | 48 | 7 | 5 | i | 1 | 3 |
| Buffalo, NY | 91 | 55 | 23 | 9 | 3 | 1 | 9 | Memphis, TN | 138 | 82 | 40 | 11 | 3 | 2 | 9 |
| Camden, NJ Elizabeth, NJ | 44 18 | 28 8 | 7 9 | 3 1 | 1 | 5 | 1 1 | Mobile, AL Montgomery, AL | 71 55 | 50 35 | 12 19 | 7 1 | 1 | 1 | 7 3 |
| Erie, PA | 47 | 39 | 5 | 1 | 1 | 1 | 4 | Nashville, TN | 150 | 89 | 37 | 12 | 9 | 3 | 12 |
| Jersey City, NJ | 13 | 6 | 5 | 2 | _ | _ | 2 | W.S. Central | 1,392 | 866 | 324 | 114 | 46 | 42 | 71 |
| New York City, NY | 945 | 656 | 204 | 51 | 21 | 13 | 25 | Austin, TX | 83 | 59 | 17 | 7 | - | _ | 6 |
| Newark, NJ Paterson, NJ | 37 20 | 18 9 | 7 4 | 8 | 4 1 | <u> </u> | 1 1 | Baton Rouge, LA | 64 | 41 | 14 | 3 | 2 | 4 | _ |
| Philadelphia, PA | 295 | 231 | 20 | 22 | 13 | 8 | 14 | Corpus Christi, TX | 59 105 | 45 | 6 | 3 | 2 | 3 | 2 |
| Pittsburgh, PA§ | 22 | 15 | 2 | 3 | 2 | _ | 1 | Dallas, TX El Paso, TX | 195 71 | 105 53 | 39 13 | 26 3 | 10 2 | 15 — | 10 3 |
| Reading, PA Rochester, NY | 32 107 | 24 81 | 6 18 | 2 6 | _ | _ | 4 6 | Fort Worth, TX | 131 | 94 | 23 | 8 | 3 | 3 | 13 |
| Schenectady, NY | 20 | 11 | 5 | 4 | _ | _ | _ | Houston, TX | 378 | 202 | 123 | 33 | 13 | 7 | 16 |
| Scranton, PA | 31 | 26 | 5 | _ | _ | _ | _ | Little Rock, AR New Orleans, LA ¹ | 54 U | 31 U | 14 U | 6 U | 1 U | 2 U | U |
| Syracuse, NY Trenton, NJ | 95 23 | 62 15 | 19 7 | 8 1 | 5 | 1 | 14 | San Antonio, TX | 178 | 115 | 36 | 16 | 8 | 3 | 11 |
| Utica, NY | 10 | 6 | 2 | 1 | 1 | | _ | Shreveport, LA | 46 | 40 | 5 | _ | 1 | 5 | 1 |
| Yonkers, NY | 15 | 15 | _ | _ | _ | _ | 1 | Tulsa, OK | 133 | 81 | 34 | 9 | 4 | | 9 |
| E.N. Central | 1,913 | 1,237 | 465 | 126 | 45 | 37 | 103 | Mountain Albuquerque, NM | 815 90 | 495 54 | 193 25 | 63 7 | 27 2 | 35 2 | 38 2 |
| Akron, OH Canton, OH | 65 38 | 44 28 | 17 9 | 2 | _ | 2 1 | 2 5 | Boise, ID | 43 | 32 | 5 | 5 | 1 | _ | 2 |
| Chicago, IL | 299 | 174 | 78 | 29 | 11 | 7 | 22 | Colorado Springs, CO | | 33 | 8 | 2 | _ | _ | 1 |
| Cincinnati, OH | 102 | 64 | 25 | 7 | 4 | 2 | 8 | Denver, CO Las Vegas, NV | 82 263 | 54 151 | 19 73 | 5 21 | <u> </u> | 4 11 | 8 12 |
| Cleveland, OH Columbus, OH | 198 187 | 136 117 | 47 53 | 10 9 | 1 6 | 4 2 | 9 10 | Ogden, UT | 30 | 21 | 3 | 3 | 3 | _ | 2 |
| Dayton, OH | 108 | 77 | 19 | 9 | 1 | 2 | 4 | Phoenix, AZ | 153 | 80 | 37 | 12 | 9 | 14 | 5 |
| Detroit, MI | 159 | 80 | 53 | 17 | 4 | 5 | 8 | Pueblo, CO Salt Lake City, UT | 36 U | 25 U | 8 U | 1 U | 1 U | 1 U | 2 U |
| Evansville, IN | 40 64 | 33 46 | 6 14 | <u> </u> | _ | 1 | 1 | Tucson, AZ | 75 | 45 | 15 | 7 | 5 | 3 | 4 |
| Fort Wayne, IN Gary, IN | 11 | 6 | 2 | 1 | 2 | _ | _ | Pacific | 1,192 | 806 | 263 | 70 | 30 | 23 | 74 |
| Grand Rapids, MI | 32 | 25 | 7 | _ | _ | _ | 2 | Berkeley, CA | 12 | 7 | 5 | _ | _ | _ | 1 |
| Indianapolis, IN | 186 | 108 | 48 | 16 | 8 | 6 | 12 | Fresno, CA | 142 | 103 | 27 | 7 | 5 | _ | 10 |
| Lansing, MI Milwaukee, WI | 54 102 | 37 77 | 11 15 | 1 9 | 1 | 1 | 3 11 | Glendale, CA Honolulu, HI | U 64 | U 51 | U 5 | U 5 | U — | U 3 | U 5 |
| Peoria, IL | 52 | 34 | 12 | 3 | 2 | 1 | | Long Beach, CA | 56 | 32 | 17 | 4 | 2 | 1 | 2 |
| Rockford, IL | 54 | 40 | 12 | 1 | 1 | _ | _ | Los Angeles, CA | U | U | U | U | U | U | U |
| South Bend, IN Toledo, OH | 49 75 | 27 55 | 16 15 | 3 3 | 2 1 | 1 1 | 1 3 | Pasadena, CA Portland, OR | 17 124 | 16 90 | 1 24 | 4 | 4 | _ | 2 9 |
| Youngstown, OH | 38 | 29 | 6 | 2 | 1 | | 2 | Sacramento, CA | 185 | 118 | 47 | 8 | 5 | 7 | 17 |
| W.N. Central | 637 | 404 | 142 | 41 | 23 | 26 | 41 | San Diego, CA | 133 | 88 | 30 | 9 | 5 | 1 | 5 |
| Des Moines, IA | 78 | 55 | 15 | 8 | _ | _ | 8 | San Francisco, CA San Jose, CA | U 153 | U 102 | U 36 | U 8 | U 3 | U 4 | U 13 |
| Duluth, MN | 36 | 28 | 8 | _ | _ | _ | 2 | Santa Cruz, CA | 33 | 14 | 6 | 8 | 5 | _ | _ |
| Kansas City, KS Kansas City, MO | 22 97 | 15 64 | 4 20 | 1 6 | 3 | 2 4 | 1 4 | Seattle, WA | 114 | 70 | 28 | 11 | 1 | 4 | 1 |
| Lincoln, NE | 27 | 20 | 6 | 1 | _ | _ | 4 | Spokane, WA Tacoma, WA | 63 96 | 46 69 | 12 25 | 4 2 | _ | 1 | 4 5 |
| Minneapolis, MN | 83 | 38 | 16 | 9 | 5 | 15 | 2 | · · · · · · · · · · · · · · · · · · · | | | | | _ | | |
| Omaha, NE St. Louis, MO | 89 88 | 61 42 | 21 27 | 3 9 | 2 8 | 2 1 | 8 8 | Total | 10,229** | 6,625 | 2,322 | 719 | 288 | 268 | 557 |
| St. Paul, MN | 40 | 27 | 7 | 2 | 3 | 1 | 1 | | | | | | | | |
| Wichita, KS | 77 | 54 | 18 | 2 | 2 | 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.

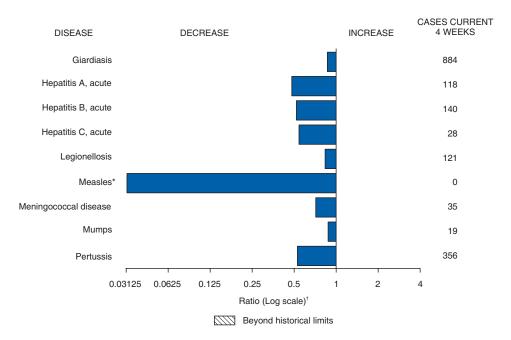
† Pneumonia and influenza.

§ 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 August 18, 2007, with historical data



Notifiable Disease Data Team and 122 Cities Mortality Data Team

Patsy A. Hall

Deborah A. Adams Rosaline Dhara Willie J. Anderson Carol Worsham Lenee Blanton Pearl C. Sharp

^{*} No measles cases were reported for the current 4-week period yielding a ratio for week 33 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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Data in the weekly *MMWR* are provisional, based on weekly reports to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the following Friday. Data are compiled in the National Center for Public Health Informatics, Division of Integrated Surveillance Systems and Services. Address all inquiries about the *MMWR* Series, including material to be considered for publication, to Editor, *MMWR* Series, Mailstop E-90, CDC, 1600 Clifton Rd., N.E., Atlanta, GA 30333 or to *www.mmwrq@cdc.gov*.

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