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Idiopathic Granulomatous Mastitis in Hispanic Women – Indiana, 2006–2008

Idiopathic granulomatous mastitis (IGM) is a rare inflammatory breast lesion of unknown etiology that occurs in women of childbearing age; only a few hundred cases have been reported worldwide (1,2). A breast cancer mimic, IGM also is diagnosed by breast biopsy (3). On December 12, 2008, a physician in Indianapolis, Indiana, reported a cluster of seven IGM diagnoses in multigravid Hispanic women, an unusually high number. To evaluate the etiology of the breast masses and characterize associated epidemiologic and clinical features, the Indiana State Department of Health and CDC conducted a multidisciplinary investigation. This report describes the results of that investigation. A total of nine cases of IGM were confirmed during 2006–2008 in Indianapolis, for an annual prevalence of IGM of 2.4 per 100,000 women aged 20–40 years. The prevalence was 12 times higher among Hispanic women. Among IGM patients at the hospital, a median of 5 months elapsed between symptom onset and diagnostic biopsy. Histopathologic evaluations confirmed IGM. In a case-control study of all seven cases and 21 controls from the hospital, case-patients were significantly more likely than controls to have less than a sixth-grade education (odds ratio [OR] = 12.7), a positive tuberculin skin test (OR = undefined), or a medication allergy (OR = 15.0). No other risk factors were significantly associated with case status. Barriers to accessing health care, including low education level, resulted in delayed care for breast masses. Future research could provide more complete descriptions of the epidemiology and etiology of IGM.

The hospital is a university-associated, county medical center that emphasizes care of vulnerable populations.* Before this cluster, the reporting physician had never seen a case of IGM in 15 years of practice. All seven women had sought medical care for painful breast masses and received a diagnosis of IGM based on pathologic findings during biopsies to rule out malignancy. The masses were palpable (ranging from 1 × 1 cm to 6 × 4 cm in size) and unilateral in the left breast in six cases and bilateral in one case. All seven patients reported at least two pregnancies and had breastfed at least one of their children. Symptoms occurred a median of 34 months (range: 10–62 months) after last pregnancy and 26 months (range: 4–46 months) after cessation of breastfeeding. The median time between symptom onset and biopsy was 5 months (range: 3–6 months); the patients attributed the delays to barriers in accessing health care, including concerns about financial implications, occupational repercussions, and/or child care obligations. After symptom onset, case-patients missed or cancelled 23% of their appointments. One patient was deported before completing treatment.

* In 2009, 39% of patients treated at the hospital were uninsured, 32% were covered by Medicaid, and 18% were covered by Medicare. Since 1995, the hospital has operated a Hispanic Health Services office, including language interpretation and scheduling assistance, to serve a growing number of Hispanic immigrants. In 2008, a total of 31,450 women aged 20–40 years had at least one visit to the hospital system; 7,095 (23%) were Hispanic (Regenstrief Institute, Inc., unpublished data, 2009).

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All seven biopsy specimens were sent to CDC for additional histopathologic evaluation.[†] This testing confirmed IGM in all seven patients, each with noncaseating granulomas, acute and chronic inflammation, and absence of foreign body material in breast biopsy tissue. Eosinophilia was noted in specimens from five patients (Figure). Special stains revealed no evidence of mycobacteria, spirochetes, other bacteria, fungi, or trypanosomes. Immunohistochemistry (IHC) on the tissue specimens for mycobacteria and *Trypanosoma cruzi* were negative. IHC using polyclonal antibodies for *Corynebacterium diphtheriae* showed rare epithelial staining in four of seven cases, although this test has unknown specificity. However, polymerase chain reaction (PCR) assays on DNA extracts from the formalin-fixed tissues using broad-range panbacterial 16S rDNA primers were negative.

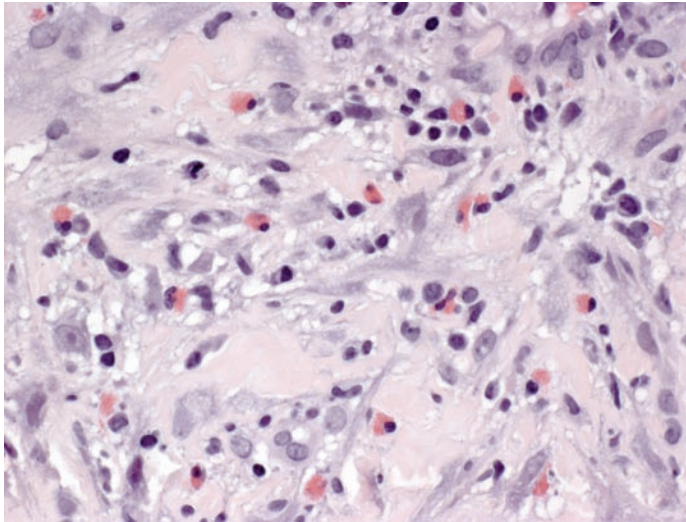
The seven case-patients reported no major commonalities in workplace or type of work; foods or products sent from abroad; vitamins, supplements, diet products, or local herbal medicines (4); personal hygiene and grooming products; fertility treatment history or contraception used; schools, churches, grocery stores, or laundromats attended; hobbies and recreational activities; breast trauma; or sexual practices involving the breasts. No patient reported animal exposure or bites, ingesting unpasteurized cheese or milk, tattooing or nipple piercing, or injections or cosmetic treatments of any kind. None currently used alcohol, tobacco, or other drugs.

At the time of interview in January 2008, two case-patients reported that their symptoms had resolved, and five reported ongoing relapses. After receiving a diagnosis of IGM, five patients had received short-duration antibiotics (7–14 days of a penicillin, cephalosporin, clindamycin, sulfonamide, and/or metronidazole). Three had received surgical incision and drainage procedures. None had received steroids. Of the seven, six had received a tuberculin skin test (TST) within 3 years of their IGM diagnosis, and five were positive (10–18 mm); at least four previously had received Bacille Calmette-Guerin (BCG) vaccination. Follow-up testing was nondiagnostic for active tuberculosis,[§] and no patient received antitubercular medications. Routine single-drug tuberculosis prophylaxis would have been recommended for the five case-patients with a positive TST result, but none attended their scheduled follow-up visits.

[†] Histopathologic evaluation included Gram stain, acid-fast bacillus (AFB) smear, Grocott's methenamine silver stain, Warthin-Starry stain, and immunohistochemistry testing.

[§] Five women received chest radiographs; all were clear except for one with a single calcified granuloma. Five had AFB smears, and four had AFB cultures performed on their biopsy specimens, all of which were negative.

FIGURE. Eosinophils observed* in breast biopsy tissue from a patient with idiopathic granulomatous mastitis — Indianapolis, Indiana, 2009



Photo/W-J Shieh

* With use of hematoxylin and eosin stain (original magnification x 40).

Case-Control Study

A case-control study was conducted to identify possible risk factors for disease. A case was defined by a diagnosis at the hospital of an idiopathic granulomatous reaction of the breast by tissue pathology during 2000–2008. Three unmatched controls per case were selected randomly from among all Hispanic women aged 20–40 years treated at the hospital's outpatient clinics during 2008. All case-patients agreed to be interviewed; 39 women were contacted to obtain 21 controls. CDC and Indiana State Department of Health clinicians abstracted data from inpatient and outpatient medical records to clarify demographics, comorbidities, and clinical courses. In-depth ethnographic interviews with cases and controls were conducted by a two-person CDC team of female, bilingual Spanish speakers using a standard questionnaire. Statistical testing was conducted using the Fisher's exact test, two-sided, with statistical significance defined as $p < 0.05$. All interviews were conducted in Spanish.

Cases and controls were comparable on most demographic characteristics, including age, birthplace, years residing in the United States, and number of pregnancies and births (Table 1). Case-patients were significantly more likely than controls to report less than a sixth-grade education (OR = 12.7) (Table 2). Case-patients were also significantly more likely than controls to have a known allergy to medication such as sulfa-containing drugs (OR = 15.0) or a positive TST result (OR = undefined), although significantly fewer controls reported any TST result (OR = 12.0). Self-defined breastfeeding difficulties, includ-

TABLE 1. Characteristics of patients with idiopathic granulomatous mastitis and controls at a hospital — Indianapolis, Indiana, 2009

| Characteristic | Cases (N = 7) | | Controls (N = 21) | |
|---|---------------|-------|-------------------|------|
| | No. | (%) | No. | (%) |
| Birthplace | | | | |
| United States | 0 | — | 0 | — |
| Mexico | 6 | (86) | 19 | (90) |
| Other | 1 | (14) | 2 | (10) |
| Language spoken | | | | |
| English only | 0 | — | 0 | — |
| Spanish only | 6 | (86) | 20 | (95) |
| Spanish and English | 1 | (14) | 1 | (5) |
| No. of yrs of education | | | | |
| 0–5 | 4 | (57) | 2 | (10) |
| 6–12 | 1 | (14) | 16 | (76) |
| >12 | 2 | (29) | 3 | (14) |
| Ever breastfed | 7 | (100) | 19 | (90) |
| Contraceptive use | | | | |
| Intrauterine device | 1 | (14) | 3 | (14) |
| Oral contraceptive pill | 1 | (14) | 1 | (5) |
| Tubal ligation | 1 | (14) | 1 | (5) |
| Other | 1 | (14) | 6 | (29) |
| None | 3 | (43) | 11 | (52) |
| Median age in yrs (range) | 32 (26–35) | | 29 (22–37) | |
| Median no. of yrs in United States (range) | 7 (2–12) | | 8 (2–20) | |
| Median no. of pregnancies (range) | 3 (2–4) | | 3 (1–6) | |
| Median no. of live births (range) | 2 (1–3) | | 3 (1–6) | |

ing engorgement and pain, were common in both groups (OR = 2.1) and not significantly different.

Prevalence of IGM in Indianapolis

The Hispanic population is the fastest growing demographic group in Indianapolis, increasing by an estimated 70% during 2000–2007.[†] To estimate the overall rate of IGM in the city's population, investigators conducted citywide case finding using standard search terms (“breast” and “granuloma,” or “breast” and “granulomatous,” followed by individual record review to confirm idiopathic etiology) to query the specimen and diagnostic fields of all three pathology system databases servicing the major medical hospitals in Indianapolis. A total of nine confirmed case-patients from three hospitals, including all seven from the initial cluster, were diagnosed between January 1, 2006, and December 31, 2008; eight were Hispanic women and one was a non-Hispanic white woman. Prevalence was calculated using demographic estimates from the U.S. Census Bureau. The annual prevalence of IGM during 2006–2008 in

[†] U.S. Census Bureau 2005–2007 American Community Survey 3-year estimates. Available at <http://factfinder.census.gov>.

TABLE 2. Selected risk factors for idiopathic granulomatous mastitis among cases and controls at a hospital — Indianapolis, Indiana, 2009

| Risk factor | Cases (N = 7) | | Controls (N = 21) | | Odds ratio (95% CI*) | p value |
|------------------------------------|---------------|-------|-------------------|-------|----------------------|-----------|
| | No. | (%) | No. | (%) | | |
| Less than a 6th-grade education | 4 | (57) | 2 | (10) | 12.7 (1.6–102.3) | 0.02 |
| Medication allergy | 3 | (43) | 1 | (5) | 15.0 (1.2–183.6) | 0.04 |
| Tuberculin skin test result | | | | | | |
| Positive result | 5 | (71) | 0 | — | Undefined | 0.01 |
| Any result | 6 | (86) | 7 | (33) | 12.0 (1.2–120.1) | 0.03 |
| BCG† vaccination | 4 | (57) | 17 | (81) | 0.3 (0.05–2.0) | 0.32 |
| Multigravid | 7 | (100) | 16 | (76) | Undefined | 0.29 |
| Multiparous | 6 | (86) | 15 | (71) | 2.4 (0.2–24.4) | 0.64 |
| Tobacco use | | | | | | |
| Current smoker | 0 | — | 0 | — | Undefined | Undefined |
| Past smoker | 1 | (14) | 1 | (5) | 3.3 (0.2–61.7) | 0.44 |
| Spanish-speaking only | 6 | (86) | 20 | (95) | 0.3 (0.02–5.6) | 0.44 |
| Contraceptive use | | | | | | |
| Current use | 3 | (43) | 11 | (52) | 0.7 (0.1–3.8) | 1.00 |
| Past use | 5 | (71) | 13 | (62) | 1.5 (0.2–9.9) | 1.00 |
| Breastfeeding difficulties | 6 | (86) | 14 | (74)§ | 2.1 (0.2–22.5) | 1.00 |

* Confidence interval.

† Bacille Calmette-Guerin.

§ Of 19 controls who had ever breastfed.

Indianapolis was 2.4 per 100,000 women aged 20–40 years and 28.3 per 100,000 Hispanic women of the same age range.

Reported by: M Goldman, MD, HM Selke, DO, I Pardo, MD, SE Clare, MD, PhD, RE Emerson, MD, Indiana Univ School of Medicine; JF Howell, DVM, Indiana State Dept of Health. W-J Shieh, MD, PhD, S Zaki, MD, PhD, Div of Viral and Rickettsial Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases; C Sanchez, RL Sinkowitz-Cochran, MPH, A Srinivasan, MD, M Jhung, MD, Div of Healthcare Quality Promotion, National Center for Preparedness, Detection, and Control of Infectious Diseases; TJ Chester, MD, Career Epidemiology Field Officer Program, Coordinating Center for Terrorism Preparedness and Emergency Response; M Ritchey, DPT, VG Jarquin, PhD, E Meites, MD, EIS officers, CDC.

Editorial Note: This is the largest cluster of idiopathic granulomatous mastitis reported in the United States. This is also the first cluster reported among a particular ethnic group residing in the United States. Previous reports from other countries have suggested that IGM is more prevalent among nonwhite women worldwide (3,5,6). Based on this investigation, the prevalence of IGM in Indianapolis was 12 times higher among Hispanic women than among all women aged 20–40 years in the city. Like all IGM, the causes for the cases in this cluster are still unclear. The patients described in this report all had in common low education levels, difficulty communicating in English, and substantial barriers to accessing health care, resulting in long delays in receiving medical care for their breast symptoms. Granulomatous scarring of the breast might have resulted as an uncommon late manifestation of one or more separate disease processes (e.g., undiagnosed or untreated

allergic reactions or infections) that might have been identifiable if treated earlier.

IGM is an exceedingly rare diagnosis with a variable clinical course and no clear etiology. It is a diagnosis of exclusion, made after malignancy and known granulomatous etiologies (e.g., mycobacterial infections, sarcoidosis, and fungal and other infections) have been ruled out (5). Although no evidence-based therapeutic guidelines exist, attempted treatment modalities have included antibiotics, steroids, surgery, and more recently, disease-modifying antirheumatic agents (e.g., methotrexate) (7,8). Although IGM is nonmalignant, illness can last years, even with treatment, and symptoms can be debilitating (5,7,8).

Previously published reports have proposed possible etiologic contributors to IGM including breastfeeding practices, breast trauma, smoking, oral contraceptive use, hypersensitivity reactions to breast secretions, or *Mycobacterium*, *Corynebacterium*, or other infections (6–10). The findings of the investigation described in this report did not clearly support any of these hypotheses. Case-patients were significantly more likely than controls to have a history of allergic reaction to medication, and eosinophilia was present in five of seven biopsies; these findings hint at an immune-mediated reaction, although no clear precipitator of an allergic or hypersensitivity reaction was identified. Because all seven patients were born and raised in countries where tuberculosis is endemic and BCG vaccination is routine, the five positive TST results, with no other signs or symptoms of active tubercular disease, probably represented past exposure to *Mycobacterium* species or residual reaction to

What is already known on this topic?

Idiopathic granulomatous mastitis (IGM) is an exceedingly rare inflammatory breast lesion of unknown etiology.

What is added by this report?

This is the largest cluster of IGM reported in the United States; all affected patients were young Hispanic women who experienced delays in receiving health care.

What are the implications for public health practice?

Future research could provide more complete information about the epidemiology and etiology of IGM, including possible contributions of ethnicity and socioeconomic status.

BCG, rather than active mycobacterial infection isolated to the breast; however this unlikely etiology could not be completely excluded because of the difficulty of laboratory confirmation of fastidious species. Next, the epithelial immunostaining pattern observed with polyclonal antibodies to *C. diphtheriae* suggests that bacteria cross-reacting to these antibodies contribute to pathogenesis (even though polyclonal antibody IHC results often are nonspecific); however, the negative PCR results with panbacterial 16S rDNA did not support this hypothesis. Finally, histopathologic examination found no convincing evidence of other acute infections.

The findings in this report are subject to at least three limitations. First, selecting all Hispanic controls limited the ability to assess the role of ethnicity. Second, higher participation rates among cases than controls (100% versus 54%) might have introduced bias, potentially masking actual differences. Finally, the power of this small study to identify risk factors associated with IGM was low.

Delayed care for breast masses is especially concerning among women with IGM, in part because of the need to rule out other disease promptly (e.g., breast cancer). When an idiopathic condition such as IGM is identified, a thorough clinical history and evaluation should be conducted to exclude known causes of granulomas. Future research could provide more complete information about the etiology and epidemiology of IGM, including possible contributions of ethnicity and socioeconomic status.

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Global Measles Mortality, 2000–2008

The United Nations (UN) Millennium Development Goals include a goal (MDG 4) to achieve a two thirds overall reduction of child deaths by 2015 compared with the 1990 level (1). Because many unvaccinated children die from measles, routine measles vaccination coverage is used as an indicator of progress toward this goal. In 2008, all UN member states reaffirmed their commitment to achieving a 90% reduction in measles mortality by 2010 compared with 2000, from an estimated 733,000 deaths in 2000 worldwide to $\leq 73,300$ by 2010 (2). The World Health Organization (WHO) and UNICEF have identified 47 priority countries with the highest burden of measles for an accelerated strategy for measles mortality reduction (3). The strategy includes 1) achieving and maintaining high coverage ($\geq 90\%$ nationally and $\geq 80\%$ in each district) with 2 doses of measles-containing vaccine (MCV) delivered through routine services or supplemental immunization activities (SIAs) (4), 2) implementing effective laboratory-supported disease surveillance, and 3) providing appropriate clinical management for measles cases. This report updates a previously published report (5), provides details on activities implemented during 2008, assesses progress toward

the 2010 goal, and evaluates the potential effects of decreased financial support. During 2000–2008, global measles mortality declined by 78%, from an estimated 733,000 deaths in 2000 to 164,000 in 2008, but the reduction in measles mortality has been leveling off since 2007. To reach the 2010 goal, India should fully implement the recommended strategies, and financial support for sustaining measles control in the other 46 priority countries should be secured.

Immunization Activities

WHO and UNICEF estimate routine first dose MCV coverage (MCV1) among children aged 1 year based on data from administrative records and surveys.* Coverage levels achieved during measles SIAs† are estimated by dividing the reported number of doses administered by the target population. According to WHO and UNICEF estimates, global routine MCV1 coverage increased to 83% in 2008, up 1% from 2007. Coverage varied substantially by geographic region (Table 1); coverage in the WHO African Region (AFR) and the South-East Asia Region (SEAR) in 2008 was still <80%. Of the 22.7 million infants and young children in 2008 who missed receiving their first dose of measles vaccine through routine immunization services,§ approximately 58% reside in six countries: India (7.63 million population), Nigeria (2.04 million), China (1.10 million), Democratic Republic of the Congo (0.84 million), Pakistan (0.75 million), and Ethiopia (0.74 million).

During 2000–2008, a second opportunity for measles immunization was provided in 46 of the 47 priority countries‡ (except India) to approximately 686 million children aged 9 months to ≤20 years through SIAs. In 2008, 16 (34%) of these countries conducted SIAs reaching approximately 109 million children and adolescents; in 13 countries, the measles

SIAs were combined with at least one other child-survival intervention (Table 2).

Surveillance Activities

Effective surveillance for measles entails establishing case-based surveillance that includes investigation and laboratory testing of samples from all suspected measles cases.** In 2008, 173 (90%) of 193 WHO member states had implemented case-based surveillance, compared with 120 (63%) countries in 2004 (earlier data are not available). In 2008, the WHO measles and rubella laboratory network provided standardized and quality-controlled measles and rubella testing for 183 countries (95%), compared with 71 countries (37%) in 2000.

In 2008, 180 countries (94%) reported measles surveillance data to WHO and UNICEF through the annual Joint Reporting Form,†† compared with 169 countries (88%) in 2000. Worldwide, the number of reported measles cases declined 67%, from 852,937 in 2000 to 278,358 in 2008. All regions reported a decrease in reported measles cases; the highest percentage reductions occurred in the WHO Region of the Americas (AMR) (99.9%) and AFR (93%), and the lowest in SEAR (3.6%). However, large outbreaks occurred in several AFR countries during 2008, including the Democratic Republic of the Congo (12,461 reported cases), Ethiopia (3,511), Niger (1,317), and Nigeria (9,960).

Mortality Estimates for 2008

Despite progress in measles surveillance and reporting globally, measles incidence remains underreported, and complete and reliable surveillance data on the number of measles deaths are lacking for many countries, particularly those with the highest disease burden. To estimate measles mortality, WHO used 1) the published natural history model (6),§§ updated with the most recent population data (7), 2) WHO/UNICEF routine MCV1 coverage estimates and reported SIA coverage, and 3) measles incidence as reported to WHO.

In 2008, the majority (77%) of measles deaths occurred in SEAR (Table 1). During 2000–2008, global mortality attributed to measles declined by 78%, from an estimated 733,000 deaths in 2000 to 164,000 in 2008 (Table 1, Figure), but the decline leveled off during 2007–2008 (Figure). The regional

* Available at http://www.who.int/immunization_monitoring/routine/immunization_coverage/en/index4.html.

† SIAs generally are carried out using two approaches. An initial, nationwide catch-up SIA targets all children aged 9 months to 14 years; it has the goal of eliminating susceptibility to measles in the general population. Periodic follow-up SIAs then target all children born since the last SIA. Follow-up SIAs are generally conducted nationwide every 2–4 years and target children aged 9–59 months; their goal is to eliminate any measles susceptibility that has developed in recent birth cohorts and to protect children who did not respond to the first measles vaccination.

§ Measles immunization coverage is the percentage of children aged 1 year who have received at least 1 MCV dose in a given year. For member states recommending the first dose of MCV in children aged >12 months, the indicator is calculated as the proportion of children aged <24 months receiving 1 MCV dose.

‡ Afghanistan, Angola, Bangladesh, Benin, Burkina Faso, Burundi, Cambodia, Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire, Democratic Republic of the Congo, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, India, Indonesia, Kenya, Lao People's Democratic Republic, Liberia, Madagascar, Mali, Mozambique, Myanmar, Nepal, Niger, Nigeria, Pakistan, Papua New Guinea, Rwanda, Senegal, Sierra Leone, Somalia, Sudan, Timor-Leste, Togo, Uganda, United Republic of Tanzania, Vietnam, Yemen, and Zambia.

** Available at <http://www.who.int/vaccines-documents/docspdf01/www617.pdf>.

†† Includes aggregated annual case counts as reported by member states. Additional information available at http://www.who.int/immunization_monitoring/routine/joint_reporting/en/index.html.

§§ This method applies age and country-specific case fatality ratios to measles incidence estimates, which are generated by 1) reported measles case data, if reliable, adjusted for reporting efficiency, or 2) a static natural history model driven by vaccination coverage data and rates of measles transmission among unvaccinated children.

TABLE 1. First-dose measles vaccination coverage through routine vaccination services among children aged 1 year* and estimated number of deaths from measles, by World Health Organization (WHO) region and among priority countries† — Worldwide, 2000 and 2008

| WHO region/ priority countries | 2000 | | 2008 | | Estimated decrease in measles deaths 2000–2008 | | Proportion of estimated global decrease in measles deaths attributable to region/priority countries (%) |
|--------------------------------------|---|--|---|--|---|-------------|---|
| | First-dose measles vaccination coverage (%) | Estimated no. of measles deaths (uncertainty bounds) [§] | First-dose measles vaccination coverage (%) | Estimated no. of measles deaths (uncertainty bounds) [§] | Estimated decrease in measles deaths 2000–2008 | | |
| | | | | | No. | (%) | |
| Africa | 56 | 371,000 (270,000–483,000) | 73 | 28,000 (19,000–40,000) | 343,000 | (92) | 60 |
| Americas | 92 | <1,000 [¶] | 93 | <1,000 [¶] | — | — | — |
| Eastern | 72 | 101,000 (75,000–131,000) | 83 | 7,000 (5,000–10,000) | 94,000 | (93) | 17 |
| Mediterranean | 91 | <1,000 [¶] | 94 | <1,000 [¶] | — | — | — |
| European | 61 | 234,000 (169,000–309,000) | 75 | 126,000 (90,000–168,000) | 108,000 | (46) | 19 |
| South-East Asia | 85 | 25,000 (17,000–35,000) | 93 | 2,000 (1,000–4,000) | 23,000 | (92) | 4 |
| Western Pacific | 72 | 733,000 (530,000–959,000) | 83 | 164,000 (115,000–222,000) | 569,000 | (78) | — |
| Total** | | | | | | | |
| Priority countries | 58 | 709,000 (517,000–925,000) | 74 | 160,000 (112,000–215,000) | 549,000 | (81) | 96 |

* Coverage estimates available at http://www.who.int/immunization_monitoring/routine/immunization_coverage/en/index4.html.

† Afghanistan, Angola, Bangladesh, Benin, Burkina Faso, Burundi, Cambodia, Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire, Democratic Republic of the Congo, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, India, Indonesia, Kenya, Lao People's Democratic Republic, Liberia, Madagascar, Mali, Mozambique, Myanmar, Nepal, Niger, Nigeria, Pakistan, Papua New Guinea, Rwanda, Senegal, Sierra Leone, Somalia, Sudan, Timor-Leste, Togo, Uganda, United Republic of Tanzania, Vietnam, Yemen, and Zambia.

§ Based on Monte Carlo simulations that account for uncertainty in key input variables (i.e., vaccination coverage and case-fatality ratios).

¶ Because the static natural history model is not sufficiently precise at low incidence levels, mortality rates below 1,000 deaths per year cannot be specified.

** Numbers and percentages in tables do not necessarily add to totals because of rounding.

percentage reduction in estimated measles mortality reached the 2010 target of 90% in the AFR, Eastern Mediterranean Region, and Western Pacific Region, which accounted for 60%, 17%, and 4% of the global reduction in measles mortality, respectively. In 2008, the 47 priority countries accounted for 160,000 (98%) of the estimated 164,000 measles deaths globally.

Cumulatively, an estimated 12.7 million measles deaths were averted during 2000–2008; of these, 8.4 (66%) million deaths were averted by maintaining routine immunization coverage at the 2000 level, and an additional 4.3 million (34%) deaths were averted as a result of measles SIAs and increases in routine vaccination coverage.

Global Mortality Projections, 2010–2013

Since 2008, the funding for measles control activities declined, causing concerns about the possible effect of reduced funding support on global measles mortality (8). During 2007–2009, total financial support to the Measles Initiative^{¶¶} decreased from \$150 million annually to approximately \$50 million (Measles Initiative, unpublished data, 2009). In

addition, many priority countries have not been able to raise the expected 50% of operational costs for SIAs.

The natural history model (6) was used to project global measles mortality for the period 2010–2013. Two projections were considered. The first, a “worst case” projection, assumes that routine MCV1 coverage in the 47 priority countries remains at the 2008 levels during 2009–2013, and that none of these countries carry out follow-up SIAs during 2010–2013; assumptions for all other countries are that they continue to increase routine MCV1 coverage at current rates and conduct regular high-quality SIAs as required. The second, a “status quo” projection, assumes that SIAs will be conducted during 2010–2013 in 46 of the 47 priority countries (India will not implement an SIA during 2010–2013, the same as during 2000–2009), and that routine MCV1 coverage remains at the 2008 levels among countries with ≥90% coverage in 2008 and increases 1% per year among lower performing countries.

Results from these projections suggest that, under the worst case scenario, the annual number of measles deaths will rebound, resulting in approximately 1.7 million measles-related deaths during 2010–2013, including approximately 500,000 deaths in 2013 alone (Figure). Even if MCV1 coverage continues to increase at the current rate and if SIAs continue to be implemented in 46 of the 47 priority countries, as assumed

^{¶¶} Launched in 2001, the Measles Initiative is an international partnership committed to reducing measles deaths worldwide, and led by the American Red Cross, CDC, UNICEF, United Nations Foundation, and WHO. Additional information available at <http://www.measlesinitiative.org>.

TABLE 2. Measles supplementary immunization activities (SIAs) and other child-health interventions undertaken among World Health Organization (WHO)/UNICEF priority countries,* by WHO region, 2008

| WHO region/country | Age group targeted | Extent of SIA | Children reached in targeted age group | | Other interventions delivered [§] | | | | |
|----------------------------------|--------------------|--------------------------------|--|------------------|--|-----------|-----------------------------|----------------------|----------------------------|
| | | | No. | (%) [†] | Oral polio vaccine | Vitamin A | Insecticide-treated bednets | Deworming medication | Tetanus toxoid vaccination |
| African | | | | | | | | | |
| Benin | 9–59 mos | National | 1,272,621 | (102) | | Yes | | Yes | |
| Central African Republic | 9–59 mos | National | 683,302 | (102) | | Yes | Yes | Yes | |
| Côte d'Ivoire | 9–59 mos | National | 3,082,438 | (95) | | Yes | Yes | Yes | |
| Democratic Republic of the Congo | 9–59 mos | Rollover-national [¶] | 2,811,092 | (99) | Yes | Yes | Yes | Yes | |
| Ethiopia | 6–59 mos | National | 10,848,474 | (92) | Yes | Yes | | Yes | Yes |
| Mozambique | 9–59 mos | National | 3,342,280 | (103) | | Yes | Yes | Yes | |
| Niger | 9–59 mos | National | 2,942,498 | (100) | | | | Yes | |
| Nigeria | 9–59 mos | National | 28,363,479 | (112) | Yes | Yes | Yes | | |
| Togo | 9–59 mos | National | 906,692 | (98) | | Yes | | Yes | |
| United Republic of Tanzania | 6 mos–10 yrs | National | 10,826,519 | (86) | Yes | Yes | Yes | Yes | |
| Eastern Mediterranean | | | | | | | | | |
| Djibouti | 9 mos–15 yrs | National | 184,638 | (86) | | | | | |
| Pakistan | 9 mos–13 yrs | Rollover-national | 35,315,375 | (103) | | | | | |
| Sudan | 9–59 mos | Rollover-national | 3,021,141 | (96) | | Yes | Yes | Yes | Yes |
| South-East Asia | | | | | | | | | |
| Nepal | 9 mos–5 yrs | National | 909,421 | (94) | Yes | | | | |
| | 9 mos–5 yrs | National | 2,724,856 | (93) | Yes | | | | |
| Western Pacific | | | | | | | | | |
| Papua New Guinea | 6–83 mos | National | 945,582 | (84) | Yes | Yes | | Yes | Yes |
| Vietnam | 7–20 yrs | Subnational | 1,008,690 | (97) | | | | | |
| Total | | | 109,189,098 | | | | | | |

* Afghanistan, Angola, Bangladesh, Benin, Burkina Faso, Burundi, Cambodia, Cameroon, Central African Republic, Chad, Congo, Côte d'Ivoire, Democratic Republic of the Congo, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, India, Indonesia, Kenya, Lao People's Democratic Republic, Liberia, Madagascar, Mali, Mozambique, Myanmar, Nepal, Niger, Nigeria, Pakistan, Papua New Guinea, Rwanda, Senegal, Sierra Leone, Somalia, Sudan, Timor-Leste, Togo, Uganda, United Republic of Tanzania, Vietnam, Yemen, and Zambia. Countries do not conduct SIAs every year.

[†] Values >100% indicate that the intervention reached more people than the estimated target population.

[§] Anthelmintics used for deworming. Tetanus toxoid vaccinations delivered to women of childbearing age. Other interventions were distributed according to national plans and in some cases targeted only high-risk districts and/or age groups.

[¶] Campaigns that were started the previous year or will continue over to the next year.

in the status quo scenario, the projected global mortality during 2010–2013 will continue to level off at approximately 151,000–163,000 deaths annually if India does not implement “catch-up” SIA campaigns (Figure).

Reported by: *A Dabbagh, PhD, M Gacic-Dobo, E Simons, MHS, D Featherstone, PhD, P Sirebel, MBChB, JM Okwo-Bele, MD, Dept of Immunization, Vaccines, and Biologicals, World Health Organization, Geneva, Switzerland. E Hoekstra, MD, M Chopra, MBChB, United Nations Children's Fund, New York, New York. A Uzicanin, MD, S Cochi, MD, Global Immunization Div, National Center for Immunization and Respiratory Diseases, CDC.*

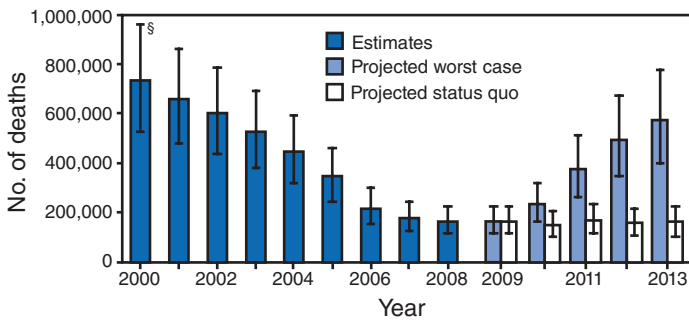
Editorial Note: After a period of rapid progress in reducing global measles mortality during 2000–2006, the reduction in measles mortality has begun to level off, raising the possibility that the 2010 goal might not be reached. Approximately 77%

of the estimated global measles mortality in 2008 was concentrated in one region (SEAR). Further progress toward the 90% mortality reduction goal is impeded by two factors: 1) India has not fully implemented the measles mortality strategies recommended by WHO and UNICEF in 2001 (3, 4), and 2) political and financial commitment to sustaining measles control in many of the other 46 priority countries has declined.

Efforts to reduce measles-related mortality since 2000 have contributed substantially to the reduction in overall child mortality. During 2000–2008, child mortality decreased by 1.6 million, from an estimated 10.4 million to 8.8 million deaths***; during the same period, estimated measles deaths declined by 569,000, suggesting that the decline in measles-

*** Regional data available at http://www.childinfo.org/mortality_underfive.php.

FIGURE. Estimated number of measles deaths worldwide, 2000–2008,* and worst case/status quo projections† of possible resurgence in measles mortality, 2009–2013



*Based on Monte Carlo stimulations that account for uncertainty in key input variables (i.e. vaccination coverage and case fatality ratios).

†Projected “worst case” scenario assumes that none of 47 priority countries carry out catch-up or follow-up supplemental immunization activities (SIAs) during 2010–2013. Under this assumption, routine first-dose measles-containing vaccine (MCV1) coverage remains at the 2008 levels during 2009–2013 in the 47 priority countries, but continues to increase at current rates in all remaining countries. Projected “status quo” scenario assumes that SIAs will continue to be conducted during 2010–2013 in 46 of the 47 priority countries (excluding India); routine MCV1 coverage remains at the 2008 levels among countries with $\geq 90\%$ coverage in 2008, and increases 1% per year among lower-performing countries. The 47 priority countries include Afghanistan, Angola, Bangladesh, Benin, Burkina Faso, Burundi, Cambodia, Cameroon, Central African Republic, Chad, Congo, Côte d’Ivoire, Democratic Republic of the Congo, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, India, Indonesia, Kenya, Lao People’s Democratic Republic, Liberia, Madagascar, Mali, Mozambique, Myanmar, Nepal, Niger, Nigeria, Pakistan, Papua New Guinea, Rwanda, Senegal, Sierra Leone, Somalia, Sudan, Timor-Leste, Togo, Uganda, United Republic of Tanzania, Vietnam, Yemen, and Zambia

§95% uncertainty intervals.

related deaths played a major role in the overall decline in child mortality. Because measles deaths play a large role in global child mortality, reductions in efforts to further decrease measles deaths (e.g., reductions in regular measles SIAs and laboratory-supported surveillance) could slow progress toward reaching MDG4.

Several related factors influence the measles mortality burden estimates and projections presented in this report. The natural history model used by WHO uses the published age-specific measles case-fatality ratios (CFRs) and keeps them constant; hence, current mortality estimates are primarily determined by changes in the size of the birth cohort and measles vaccination coverage over time (6). However, measles CFRs are known to differ within populations over time (9). Most notably, increased measles vaccination coverage is thought to be the major factor contributing to declines in overall measles CFRs. As measles vaccination coverage increases, the average age of infection rises, and a larger proportion of measles cases occur among previously vaccinated children (10). Because CFRs are one of the key parameters in estimating the global measles mortality

What is already known on this topic?

In 2008, all World Health Organization (WHO) member states reaffirmed their commitment to achieving a 90% reduction in measles mortality by 2010 compared with 2000 (with a 2010 goal of no more than 73,300 measles deaths worldwide).

What is added by this report?

During 2000–2008, recommended strategies were implemented in 46 or 47 countries (except India) with high measles mortality burden, resulting in a 78% decline in estimated global measles mortality, from an estimated 733,000 deaths in 2000 to 164,000 in 2008.

What are the implications for public health practice?

Two factors are critical for further progress toward the 90% mortality reduction goal: 1) India should fully implement the recommended measles mortality reduction strategies; and 2) financial support to sustaining measles control in the other 46 high-burden countries should be secured.

burden, additional field studies should be conducted to gather additional CFR data, especially in post-SIA settings. Multiple factors have been associated with increased measles CFRs, including low socioeconomic status, malnutrition, vitamin A deficiency, HIV-infection, young age at infection, and lack of measles immunization. Although an age-appropriate dose of vitamin A is recommended for measles case management (3), access to vitamin A treatment often is limited.

The results achieved in 46 of the 47 priority countries suggest that a 90% reduction in global measles mortality can be achieved and sustained if the recommended strategy is implemented fully. Key factors related to a possible delay in achieving the 90% reduction in global measles mortality beyond 2010 and the risk for a measles mortality resurgence include delayed implementation of catch-up SIAs in India and suboptimal routine MCV and SIA coverage in AFR. Routine vaccination is a cornerstone of the WHO/UNICEF recommended strategy (3), and increasing MCV coverage must be given high priority to achieve and sustain the global goal.

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Announcement

Recommendations for Improving External-Cause-of-Injury Coding in State-Based Data Systems

Improving external-cause-of-injury coding (E-coding) can provide better data for setting priorities for injury prevention and trauma care programs and evaluating their effectiveness at the federal, state, and local levels. CDC is providing national leadership in an effort to develop and implement strategies and action plans to improve E-coding in state morbidity data systems. In February 2009, CDC conducted a partners meeting to discuss E-coding issues relevant to state morbidity data systems and to make recommendations for improvements.

CDC has released a report summarizing actions recommended by participants in the February meeting aimed at 1) improving communication and collaboration among stakeholders, 2) demonstrating a business case for high-quality E-coding, 3) improving the collection of high-quality E-coded data, and 4) improving and promoting the usefulness of E-coded data for state injury prevention efforts. This report, *Recommended Actions to Improve External-Cause-of-Injury Coding in State-Based Hospital Discharge and Emergency Department Data Systems*, is now available at http://www.cdc.gov/injury/data/ecode_report.html.

Announcement

13th Annual Conference on Vaccine Research

The Thirteenth Annual Conference on Vaccine Research, the largest scientific forum devoted exclusively to the research and development of vaccines and related technologies for prevention and treatment of disease through immunization, will be held April 26–28, 2010, at the Bethesda North Marriott & Conference Center Hotel in Bethesda, Maryland. The conference brings together the diverse fields of human and veterinary vaccinology to encourage collaboration and multidisciplinary approaches among disease-specific and methodologic experts.

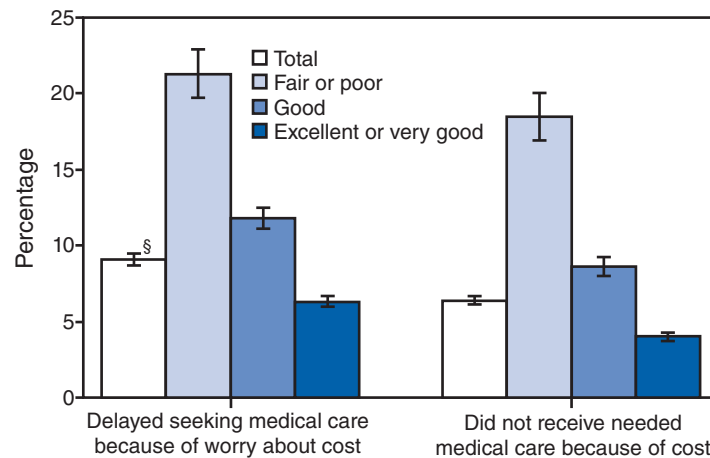
Vaccines, poverty and world hunger, pandemic influenza, live veterinary vaccines, molecular approaches to vaccine delivery, and novel adjuvants are among topics scheduled for discussion during the conference. The deadline for online submission of general abstracts is January 4, 2010. Abstracts from eligible authors may be designated for consideration for the Maurice R. Hilleman Early-Stage Career Investigator Award, which provides \$10,000 for research expenses and a travel stipend and registration for the 2011 conference.

The conference is being sponsored by the National Foundation for Infectious Diseases (NFID), in collaboration with CDC and 12 other national and international agencies and organizations. Applications for travel grants to subsidize attendees from countries with limited resources must be submitted by December 7, 2009. Additional information is available at <http://www.nfid.org/conferences/vaccine10>, or by e-mail (vaccine@nfid.org), fax (301-907-0878), telephone (301-656-0003, ext 19), or mail (NFID, Suite 750, 4733 Bethesda Avenue, Bethesda, MD 20814-5278).

QuickStats

FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

Estimated Percentage of Persons Who Delayed Seeking or Did Not Receive Medical Care During the Preceding Year Because of Cost, by Respondent-Assessed Health Status* — National Health Interview Survey, United States, 2008†



* Based on responses to the following questions: "During the past 12 months, has [person] delayed seeking medical care because of worry about the cost?" and "During the past 12 months was there any time when [person] needed medical care but did not get it because [person] could not afford it?" Both questions exclude dental care. Respondents were asked to answer regarding themselves and other family members living in the same household. Health status data were obtained by asking respondents to assess their own health and that of family members living in the same household as excellent, very good, good, fair, or poor.

† Estimates are age adjusted using the projected 2000 U.S. population as the standard population and using five age groups: 0–11 years, 12–17 years, 18–44 years, 45–64 years, and ≥65 years. Estimates are based on household interviews of a sample of the civilian, noninstitutionalized U.S. population.

§ 95% confidence interval.

In 2008, an estimated 9.1% of the U.S. population (27.4 million) delayed seeking medical care during the preceding year because of worry about the cost, and 6.4% (19.5 million) did not receive needed medical care because they could not afford it. Persons whose health was assessed as fair or poor were more than three times as likely as persons whose health was excellent or very good to delay seeking or not receive needed medical care because of cost. Persons in each health assessment group also were more likely to delay seeking medical care because of worry about the cost than to not receive needed medical care because of cost.

SOURCE: Provisional report: Adams PF, Heyman KM, Vickerie JL. Summary Health Statistics for the U.S. Population: National Health Interview Survey, 2008. National Center for Health Statistics. Vital Hlth Stat 10(243). 2009. Available at http://www.cdc.gov/nchs/data/series/sr_10/sr10_243.pdf.

TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending November 28, 2009 (47th week)*

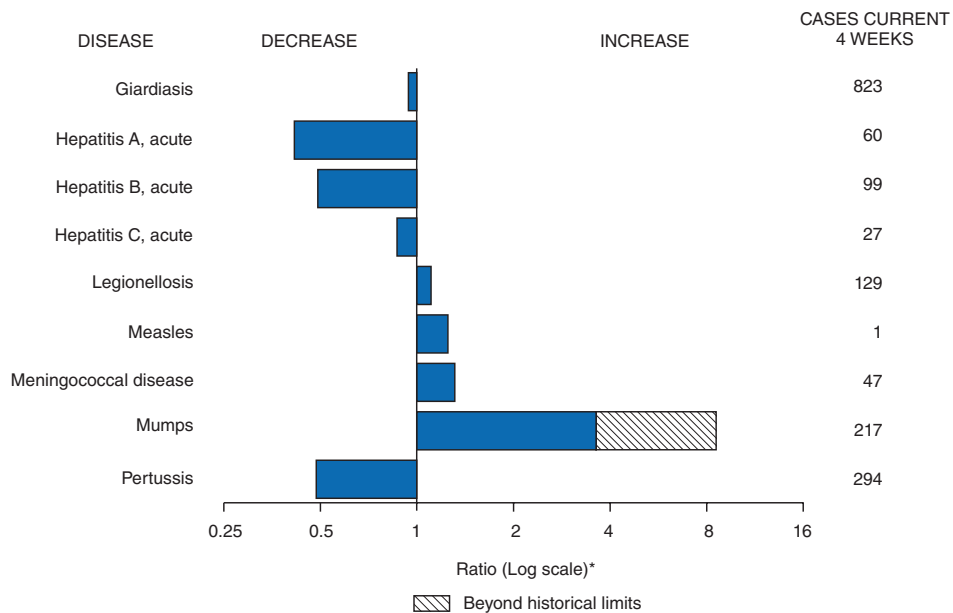
| Disease | Current week | Cum 2009 | 5-year weekly average† | Total cases reported for previous years | | | | | States reporting cases during current week (No.) |
|--|--------------|----------|------------------------|---|------|-------|------|------|--|
| | | | | 2008 | 2007 | 2006 | 2005 | 2004 | |
| Anthrax | — | — | — | — | 1 | 1 | — | — | |
| Botulism: | | | | | | | | | |
| foodborne | — | 12 | 1 | 17 | 32 | 20 | 19 | 16 | |
| infant | 2 | 49 | 2 | 109 | 85 | 97 | 85 | 87 | TX (2) |
| other (wound and unspecified) | — | 20 | 1 | 19 | 27 | 48 | 31 | 30 | |
| Brucellosis | — | 87 | 2 | 80 | 131 | 121 | 120 | 114 | |
| Chancroid | — | 22 | 1 | 25 | 23 | 33 | 17 | 30 | |
| Cholera | — | 8 | 0 | 5 | 7 | 9 | 8 | 6 | |
| Cyclosporiasis§ | — | 117 | 1 | 139 | 93 | 137 | 543 | 160 | |
| Diphtheria | — | — | — | — | — | — | — | — | |
| Domestic arboviral diseases§,¶: | | | | | | | | | |
| California serogroup | — | 38 | 0 | 62 | 55 | 67 | 80 | 112 | |
| eastern equine | — | 4 | 0 | 4 | 4 | 8 | 21 | 6 | |
| Powassan | — | 1 | 0 | 2 | 7 | 1 | 1 | 1 | |
| St. Louis | — | 10 | 0 | 13 | 9 | 10 | 13 | 12 | |
| western equine | — | — | — | — | — | — | — | — | |
| Ehrlichiosis/Anaplasmosis§,**: | | | | | | | | | |
| <i>Ehrlichia chaffeensis</i> | 4 | 728 | 10 | 1,137 | 828 | 578 | 506 | 338 | MD (1), VA (1), NC (1), SC (1) |
| <i>Ehrlichia ewingii</i> | — | 6 | — | 9 | — | — | — | — | |
| <i>Anaplasma phagocytophilum</i> | 4 | 602 | 13 | 1,026 | 834 | 646 | 786 | 537 | MN (4) |
| undetermined | — | 105 | 2 | 180 | 337 | 231 | 112 | 59 | |
| <i>Haemophilus influenzae</i> †† | | | | | | | | | |
| invasive disease (age <5 yrs): | | | | | | | | | |
| serotype b | — | 24 | 1 | 30 | 22 | 29 | 9 | 19 | |
| nonserotype b | — | 164 | 3 | 244 | 199 | 175 | 135 | 135 | |
| unknown serotype | 2 | 209 | 3 | 163 | 180 | 179 | 217 | 177 | DE (1), TN (1) |
| Hansen disease§ | 2 | 56 | 2 | 80 | 101 | 66 | 87 | 105 | FL (1), CA (1) |
| Hantavirus pulmonary syndrome§ | — | 10 | 0 | 18 | 32 | 40 | 26 | 24 | |
| Hemolytic uremic syndrome, postdiarrheal§ | — | 184 | 3 | 330 | 292 | 288 | 221 | 200 | |
| Hepatitis C viral, acute | 5 | 1,747 | 16 | 878 | 845 | 766 | 652 | 720 | MD (1), WV (1), FL (1), KY (1), WA (1) |
| HIV infection, pediatric (age <13 years)§§ | — | — | 3 | — | — | — | 380 | 436 | |
| Influenza-associated pediatric mortality§,¶¶ | 17 | 318 | 0 | 90 | 77 | 43 | 45 | — | AZ (2), CA (5), FL (1), IN (2), MI (1), NY (1), OH (1), MN (1), SD (1), TX (2) |
| Listeriosis | 5 | 677 | 16 | 759 | 808 | 884 | 896 | 753 | NY (1), VA (1), WA (2), CA (1) |
| Measles*** | — | 61 | 0 | 140 | 43 | 55 | 66 | 37 | |
| Meningococcal disease, invasive†††: | | | | | | | | | |
| A, C, Y, and W-135 | 1 | 231 | 5 | 330 | 325 | 318 | 297 | — | FL (1) |
| serogroup B | 1 | 120 | 3 | 188 | 167 | 193 | 156 | — | TX (1) |
| other serogroup | — | 23 | 1 | 38 | 35 | 32 | 27 | — | |
| unknown serogroup | 5 | 409 | 10 | 616 | 550 | 651 | 765 | — | NY (2), PA (1), MO (2) |
| Mumps | 86 | 630 | 16 | 454 | 800 | 6,584 | 314 | 258 | NY (29), NYC (56), PA (1) |
| Novel influenza A virus infections | — | §§§ | 0 | 2 | 4 | N | N | N | |
| Plague | — | 7 | 0 | 3 | 7 | 17 | 8 | 3 | |
| Poliomyelitis, paralytic | — | — | — | — | — | — | 1 | — | |
| Polio virus infection, nonparalytic§ | — | — | — | — | — | N | N | N | |
| Psittacosis§ | — | 8 | 0 | 8 | 12 | 21 | 16 | 12 | |
| Q fever total§,¶¶¶: | | | | | | | | | |
| acute | 1 | 75 | 2 | 124 | 171 | 169 | 136 | 70 | |
| chronic | — | 64 | 1 | 110 | — | — | — | — | CA (1) |
| Rabies, human | — | 11 | 0 | 14 | — | — | — | — | |
| Rubella**** | — | 2 | 0 | 2 | 1 | 3 | 2 | 7 | |
| Rubella, congenital syndrome | — | 4 | 0 | 16 | 12 | 11 | 11 | 10 | |
| SARS-CoV§,†††† | — | 1 | — | — | — | 1 | 1 | — | |
| Smallpox§ | — | — | — | — | — | — | — | — | |
| Streptococcal toxic-shock syndrome§ | — | 117 | 2 | 157 | 132 | 125 | 129 | 132 | |
| Syphilis, congenital (age <1 yr) | — | 225 | 7 | 434 | 430 | 349 | 329 | 353 | |
| Tetanus | — | 9 | 1 | 19 | 28 | 41 | 27 | 34 | |
| Toxic-shock syndrome (staphylococcal)§ | 1 | 75 | 2 | 71 | 92 | 101 | 90 | 95 | GA (1) |
| Trichinellosis | — | 12 | 0 | 39 | 5 | 15 | 16 | 5 | |
| Tularemia | — | 74 | 2 | 123 | 137 | 95 | 154 | 134 | |
| Typhoid fever | 2 | 308 | 4 | 449 | 434 | 353 | 324 | 322 | VA (1), CA (1) |
| Vancomycin-intermediate <i>Staphylococcus aureus</i> § | 1 | 65 | 1 | 63 | 37 | 6 | 2 | — | MA (1) |
| Vancomycin-resistant <i>Staphylococcus aureus</i> § | — | — | — | — | 2 | 1 | 3 | 1 | |
| Vibriosis (noncholera <i>Vibrio</i> species infections)§ | 7 | 551 | 5 | 492 | 549 | N | N | N | MN (1), FL (4), AZ (1), CA (1) |
| Yellow fever | — | — | — | — | — | — | — | — | |

See Table I footnotes on next page.

TABLE I. (Continued) Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending November 28, 2009 (47th week)*

—: No reported cases. N: Not reportable. Cum: Cumulative year-to-date counts.
 * Incidence data for reporting year 2009 is provisional, whereas data for 2004 through 2008 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. The total sum of incident cases is then divided by 25 weeks. Additional information is available at <http://www.cdc.gov/epo/dphsi/phs/files/5yearweeklyaverage.pdf>.
 § Not reportable in all states. Data from states where the condition is not reportable are excluded from this table, except starting 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.
 ** The names of the reporting categories changed in 2008 as a result of revisions to the case definitions. Cases reported prior to 2008 were reported in the categories: Ehrlichiosis, human monocytic (analogous to *E. chaffeensis*); Ehrlichiosis, human granulocytic (analogous to *Anaplasma phagocytophilum*), and Ehrlichiosis, unspecified, or other agent (which included cases unable to be clearly placed in other categories, as well as possible cases of *E. ewingii*).
 †† 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. Since April 26, 2009, a total of 210 influenza-associated pediatric deaths associated with 2009 pandemic influenza A (H1N1) virus infection have been reported. Since August 30, 2009, a total of 189 influenza-associated pediatric deaths occurring during the 2009–10 influenza season have been reported. A total of 128 influenza-associated pediatric death occurring during the 2008-09 influenza season have been reported.
 *** No measles cases were reported for the current week.
 ††† Data for meningococcal disease (all serogroups) are available in Table II.
 §§§ CDC discontinued reporting of individual confirmed and probable cases of novel influenza A (H1N1) viruses infections on July 24, 2009. CDC will report the total number of novel influenza A (H1N1) hospitalizations and deaths weekly on the CDC H1N1 influenza website (<http://www.cdc.gov/h1n1flu>).
 ¶¶¶ In 2008, Q fever acute and chronic reporting categories were recognized as a result of revisions to the Q fever case definition. Prior to that time, case counts were not differentiated with respect to acute and chronic Q fever cases.
 **** 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.

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals November 28, 2009, with historical data



* 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.

Notifiable Disease Data Team and 122 Cities Mortality Data Team
 Patsy A. Hall
 Deborah A. Adams Rosaline Dhara
 Willie J. Anderson Michael S. Wodajo
 Jose Aponte Pearl C. Sharp
 Lenee Blanton

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending November 28, 2009, and November 22, 2008 (47th week)*

| Reporting area | Chlamydia† | | | | | Coccidioidomycosis | | | | | Cryptosporidiosis | | | | |
|----------------------|--------------|-------------------|--------|-----------|-----------|--------------------|-------------------|-----|----------|----------|-------------------|-------------------|-----|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 6,902 | 22,331 | 26,095 | 1,009,739 | 1,079,241 | 75 | 230 | 471 | 10,561 | 6,045 | 44 | 119 | 369 | 6,199 | 8,177 |
| New England | 608 | 756 | 1,655 | 36,096 | 33,889 | — | 0 | 1 | 1 | 1 | 1 | 6 | 43 | 400 | 375 |
| Connecticut | 145 | 225 | 1,306 | 10,462 | 10,178 | N | 0 | 0 | N | N | — | 0 | 36 | 36 | 41 |
| Maine§ | 34 | 47 | 75 | 2,206 | 2,341 | N | 0 | 0 | N | N | — | 0 | 4 | 41 | 43 |
| Massachusetts | 370 | 355 | 944 | 17,627 | 15,619 | N | 0 | 0 | N | N | 1 | 2 | 16 | 164 | 164 |
| New Hampshire | 1 | 34 | 61 | 1,381 | 1,896 | — | 0 | 1 | 1 | 1 | — | 1 | 5 | 68 | 56 |
| Rhode Island§ | 41 | 68 | 244 | 3,342 | 2,793 | — | 0 | 0 | — | — | — | 0 | 8 | 20 | 10 |
| Vermont§ | 17 | 23 | 63 | 1,078 | 1,062 | N | 0 | 0 | N | N | — | 1 | 9 | 71 | 61 |
| Mid. Atlantic | 1,615 | 3,015 | 6,734 | 141,092 | 133,963 | — | 0 | 0 | — | — | 8 | 13 | 37 | 732 | 686 |
| New Jersey | 161 | 425 | 838 | 20,159 | 20,288 | N | 0 | 0 | N | N | — | 1 | 5 | 42 | 39 |
| New York (Upstate) | 467 | 589 | 4,563 | 28,760 | 25,027 | N | 0 | 0 | N | N | 5 | 3 | 12 | 202 | 243 |
| New York City | 694 | 1,146 | 1,982 | 53,823 | 50,983 | N | 0 | 0 | N | N | — | 1 | 8 | 69 | 103 |
| Pennsylvania | 293 | 826 | 1,001 | 38,350 | 37,665 | N | 0 | 0 | N | N | 3 | 8 | 19 | 419 | 301 |
| E.N. Central | 437 | 3,314 | 4,286 | 151,021 | 174,773 | — | 1 | 4 | 33 | 38 | 3 | 27 | 54 | 1,356 | 2,034 |
| Illinois | — | 1,047 | 1,426 | 44,794 | 53,589 | N | 0 | 0 | N | N | — | 2 | 8 | 132 | 200 |
| Indiana | — | 413 | 695 | 19,405 | 19,530 | N | 0 | 0 | N | N | — | 4 | 17 | 183 | 178 |
| Michigan | 353 | 872 | 1,332 | 40,940 | 40,557 | — | 0 | 3 | 19 | 29 | — | 5 | 11 | 248 | 247 |
| Ohio | — | 712 | 1,177 | 30,004 | 41,835 | — | 0 | 2 | 14 | 9 | — | 7 | 16 | 349 | 658 |
| Wisconsin | 84 | 343 | 460 | 15,878 | 19,262 | N | 0 | 0 | N | N | 3 | 7 | 24 | 444 | 751 |
| W.N. Central | 267 | 1,346 | 1,697 | 60,145 | 61,178 | — | 0 | 1 | 9 | 3 | 4 | 17 | 62 | 957 | 927 |
| Iowa | — | 175 | 256 | 8,470 | 8,361 | N | 0 | 0 | N | N | — | 3 | 13 | 186 | 273 |
| Kansas | 2 | 164 | 561 | 8,718 | 8,390 | N | 0 | 0 | N | N | — | 1 | 6 | 61 | 82 |
| Minnesota | — | 260 | 338 | 11,310 | 13,049 | — | 0 | 0 | — | — | 3 | 5 | 34 | 327 | 209 |
| Missouri | 214 | 509 | 638 | 23,397 | 22,301 | — | 0 | 1 | 9 | 3 | — | 3 | 12 | 168 | 169 |
| Nebraska§ | 51 | 103 | 219 | 4,719 | 4,819 | N | 0 | 0 | N | N | 1 | 2 | 9 | 108 | 107 |
| North Dakota | — | 30 | 77 | 1,386 | 1,634 | N | 0 | 0 | N | N | — | 0 | 10 | 12 | 6 |
| South Dakota | — | 55 | 80 | 2,145 | 2,624 | N | 0 | 0 | N | N | — | 1 | 10 | 95 | 81 |
| S. Atlantic | 1,154 | 3,841 | 5,448 | 176,611 | 220,795 | — | 0 | 1 | 5 | 4 | 8 | 19 | 45 | 974 | 953 |
| Delaware | 72 | 87 | 180 | 4,275 | 3,363 | — | 0 | 1 | 1 | 1 | — | 0 | 2 | 9 | 11 |
| District of Columbia | — | 128 | 226 | 5,916 | 6,238 | — | 0 | 0 | — | — | — | 0 | 1 | 2 | 15 |
| Florida | 265 | 1,425 | 1,672 | 65,457 | 64,188 | N | 0 | 0 | N | N | 6 | 8 | 24 | 421 | 422 |
| Georgia | — | 726 | 1,909 | 27,752 | 37,111 | N | 0 | 0 | N | N | — | 5 | 23 | 308 | 239 |
| Maryland§ | — | 422 | 772 | 18,628 | 21,503 | — | 0 | 1 | 4 | 3 | — | 1 | 5 | 37 | 46 |
| North Carolina | — | 0 | 1,024 | — | 33,183 | N | 0 | 0 | N | N | — | 0 | 9 | 58 | 68 |
| South Carolina§ | 344 | 537 | 1,421 | 22,742 | 24,039 | N | 0 | 0 | N | N | 2 | 1 | 7 | 53 | 52 |
| Virginia§ | 428 | 602 | 926 | 28,528 | 28,217 | N | 0 | 0 | N | N | — | 1 | 7 | 70 | 76 |
| West Virginia | 45 | 69 | 136 | 3,313 | 2,953 | N | 0 | 0 | N | N | — | 0 | 2 | 16 | 24 |
| E.S. Central | 681 | 1,755 | 2,208 | 81,261 | 77,565 | — | 0 | 0 | — | — | — | 3 | 10 | 200 | 164 |
| Alabama§ | 30 | 459 | 627 | 21,184 | 22,499 | N | 0 | 0 | N | N | — | 1 | 5 | 55 | 70 |
| Kentucky | — | 243 | 642 | 11,857 | 11,104 | N | 0 | 0 | N | N | — | 1 | 4 | 61 | 32 |
| Mississippi | 268 | 457 | 840 | 20,850 | 18,644 | N | 0 | 0 | N | N | — | 0 | 3 | 12 | 17 |
| Tennessee§ | 383 | 579 | 809 | 27,370 | 25,318 | N | 0 | 0 | N | N | — | 1 | 5 | 72 | 45 |
| W.S. Central | 333 | 2,991 | 5,817 | 138,063 | 136,347 | — | 0 | 1 | 1 | 3 | 6 | 9 | 271 | 461 | 2,101 |
| Arkansas§ | 140 | 269 | 417 | 12,320 | 12,864 | N | 0 | 0 | N | N | 1 | 1 | 5 | 49 | 87 |
| Louisiana | 145 | 515 | 1,130 | 23,662 | 20,281 | — | 0 | 1 | 1 | 3 | — | 0 | 6 | 29 | 63 |
| Oklahoma | 48 | 174 | 2,725 | 12,148 | 12,020 | N | 0 | 0 | N | N | — | 2 | 11 | 116 | 125 |
| Texas§ | — | 2,011 | 2,521 | 89,933 | 91,182 | N | 0 | 0 | N | N | 5 | 6 | 258 | 267 | 1,826 |
| Mountain | 492 | 1,383 | 2,051 | 62,856 | 68,535 | 38 | 171 | 368 | 8,382 | 3,965 | 4 | 9 | 26 | 475 | 550 |
| Arizona | 168 | 454 | 736 | 19,012 | 22,389 | 37 | 170 | 364 | 8,290 | 3,873 | — | 1 | 3 | 33 | 85 |
| Colorado | — | 328 | 727 | 14,305 | 16,638 | N | 0 | 0 | N | N | 2 | 2 | 10 | 132 | 108 |
| Idaho§ | 76 | 68 | 184 | 3,382 | 3,687 | N | 0 | 0 | N | N | 2 | 1 | 7 | 84 | 64 |
| Montana§ | — | 56 | 87 | 2,680 | 2,776 | N | 0 | 0 | N | N | — | 1 | 4 | 50 | 42 |
| Nevada§ | 113 | 170 | 477 | 8,747 | 8,661 | 1 | 1 | 4 | 52 | 49 | — | 0 | 2 | 4 | 16 |
| New Mexico§ | 117 | 180 | 540 | 8,219 | 7,590 | — | 0 | 2 | 9 | 31 | — | 2 | 8 | 121 | 168 |
| Utah | 18 | 108 | 176 | 4,701 | 5,382 | — | 1 | 2 | 30 | 10 | — | 0 | 3 | 31 | 44 |
| Wyoming§ | — | 35 | 97 | 1,810 | 1,412 | — | 0 | 1 | 1 | 2 | — | 0 | 2 | 20 | 23 |
| Pacific | 1,315 | 3,444 | 4,682 | 162,594 | 172,196 | 37 | 40 | 172 | 2,130 | 2,031 | 10 | 13 | 25 | 644 | 387 |
| Alaska | — | 92 | 199 | 3,370 | 4,249 | N | 0 | 0 | N | N | — | 0 | 1 | 6 | 3 |
| California | 959 | 2,691 | 3,592 | 126,971 | 133,381 | 37 | 40 | 172 | 2,130 | 2,031 | 5 | 7 | 20 | 390 | 236 |
| Hawaii | — | 118 | 147 | 5,121 | 5,363 | N | 0 | 0 | N | N | — | 0 | 1 | 1 | 2 |
| Oregon§ | 182 | 198 | 388 | 8,887 | 9,677 | N | 0 | 0 | N | N | 3 | 3 | 8 | 165 | 60 |
| Washington | 174 | 393 | 571 | 18,245 | 19,526 | N | 0 | 0 | N | N | 2 | 1 | 8 | 82 | 86 |
| American Samoa | — | 0 | 0 | — | 73 | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 1 | 1 | — | 123 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | — | 134 | 331 | 6,385 | 6,437 | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| U.S. Virgin Islands | — | 8 | 17 | 369 | 570 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

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

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

* Incidence data for reporting year 2009 is 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 November 28, 2009, and November 22, 2008 (47th week)*

| Reporting area | Giardiasis | | | | | Gonorrhea | | | | | Haemophilus influenzae, invasive All ages, all serotypes† | | | | |
|----------------------|--------------|-------------------|-----|----------|----------|--------------|-------------------|-------|----------|----------|--|-------------------|-----|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 203 | 318 | 498 | 15,913 | 16,875 | 1,453 | 5,378 | 6,918 | 240,930 | 301,934 | 17 | 60 | 124 | 2,593 | 2,457 |
| New England | 4 | 28 | 64 | 1,532 | 1,530 | 76 | 95 | 301 | 4,535 | 4,738 | 2 | 3 | 16 | 178 | 153 |
| Connecticut | — | 5 | 15 | 247 | 311 | 43 | 47 | 275 | 2,180 | 2,316 | — | 0 | 12 | 49 | 39 |
| Maine§ | 1 | 3 | 13 | 188 | 167 | 4 | 2 | 9 | 126 | 87 | — | 0 | 2 | 17 | 17 |
| Massachusetts | 1 | 12 | 36 | 672 | 626 | 27 | 38 | 112 | 1,791 | 1,917 | 2 | 2 | 5 | 89 | 72 |
| New Hampshire | — | 3 | 11 | 169 | 149 | 2 | 2 | 6 | 97 | 95 | — | 0 | 2 | 11 | 9 |
| Rhode Island§ | — | 1 | 6 | 58 | 85 | — | 6 | 19 | 296 | 293 | — | 0 | 7 | 8 | 8 |
| Vermont§ | 2 | 3 | 14 | 198 | 192 | — | 1 | 5 | 45 | 30 | — | 0 | 1 | 4 | 8 |
| Mid. Atlantic | 24 | 62 | 104 | 2,889 | 3,148 | 306 | 588 | 1,138 | 28,576 | 29,707 | 6 | 12 | 25 | 552 | 467 |
| New Jersey | — | 6 | 17 | 215 | 471 | 48 | 92 | 124 | 4,218 | 4,782 | — | 2 | 7 | 104 | 87 |
| New York (Upstate) | 22 | 24 | 81 | 1,207 | 1,107 | 84 | 109 | 664 | 5,364 | 5,530 | 4 | 3 | 20 | 140 | 135 |
| New York City | — | 15 | 25 | 727 | 772 | 126 | 213 | 380 | 10,114 | 9,487 | — | 2 | 11 | 108 | 80 |
| Pennsylvania | 2 | 15 | 34 | 740 | 798 | 48 | 191 | 260 | 8,880 | 9,908 | 2 | 4 | 10 | 200 | 165 |
| E.N. Central | 2 | 44 | 71 | 2,116 | 2,510 | 138 | 1,077 | 1,436 | 47,356 | 62,307 | 1 | 12 | 28 | 526 | 403 |
| Illinois | — | 9 | 18 | 412 | 649 | — | 344 | 524 | 14,316 | 18,669 | — | 3 | 9 | 132 | 135 |
| Indiana | N | 0 | 11 | N | N | — | 140 | 223 | 6,165 | 7,837 | — | 1 | 22 | 64 | 66 |
| Michigan | — | 12 | 23 | 572 | 565 | 118 | 280 | 498 | 13,306 | 15,179 | 1 | 0 | 3 | 24 | 23 |
| Ohio | — | 15 | 28 | 732 | 815 | — | 249 | 431 | 9,555 | 15,000 | — | 2 | 6 | 87 | 120 |
| Wisconsin | 2 | 9 | 19 | 400 | 481 | 20 | 85 | 143 | 4,014 | 5,622 | — | 3 | 20 | 219 | 59 |
| W.N. Central | 75 | 24 | 141 | 1,485 | 1,835 | 65 | 274 | 373 | 12,847 | 15,301 | — | 3 | 15 | 144 | 183 |
| Iowa | 1 | 6 | 15 | 273 | 298 | — | 32 | 53 | 1,418 | 1,487 | — | 0 | 0 | — | 2 |
| Kansas | — | 2 | 11 | 96 | 151 | 1 | 44 | 83 | 2,117 | 2,075 | — | 0 | 2 | 13 | 19 |
| Minnesota | 66 | 0 | 104 | 409 | 612 | — | 40 | 65 | 1,869 | 2,770 | — | 0 | 10 | 50 | 54 |
| Missouri | 5 | 8 | 30 | 455 | 435 | 45 | 126 | 173 | 5,862 | 7,254 | — | 1 | 4 | 52 | 68 |
| Nebraska§ | 2 | 3 | 9 | 160 | 190 | 19 | 24 | 55 | 1,236 | 1,279 | — | 0 | 4 | 23 | 28 |
| North Dakota | 1 | 0 | 16 | 27 | 19 | — | 2 | 14 | 87 | 121 | — | 0 | 4 | 6 | 12 |
| South Dakota | — | 1 | 5 | 65 | 130 | — | 6 | 20 | 258 | 315 | — | 0 | 0 | — | — |
| S. Atlantic | 41 | 69 | 109 | 3,338 | 2,744 | 268 | 1,148 | 1,956 | 51,089 | 77,046 | 4 | 13 | 31 | 634 | 622 |
| Delaware | — | 0 | 3 | 23 | 41 | 11 | 18 | 37 | 871 | 935 | 1 | 0 | 1 | 4 | 7 |
| District of Columbia | — | 0 | 5 | 22 | 60 | — | 50 | 88 | 2,334 | 2,345 | — | 0 | 1 | 2 | 8 |
| Florida | 30 | 38 | 59 | 1,768 | 1,195 | 72 | 410 | 486 | 18,810 | 21,149 | 1 | 4 | 10 | 204 | 164 |
| Georgia | — | 11 | 67 | 750 | 632 | — | 241 | 876 | 9,414 | 13,936 | — | 3 | 9 | 140 | 125 |
| Maryland§ | 7 | 5 | 11 | 251 | 257 | — | 114 | 197 | 5,095 | 5,771 | 1 | 1 | 6 | 82 | 87 |
| North Carolina | N | 0 | 0 | N | N | — | 0 | 428 | — | 14,239 | — | 0 | 17 | 62 | 69 |
| South Carolina§ | — | 2 | 8 | 95 | 122 | 108 | 162 | 412 | 7,187 | 8,688 | 1 | 1 | 5 | 62 | 54 |
| Virginia§ | 4 | 8 | 31 | 380 | 369 | 75 | 147 | 308 | 6,938 | 9,302 | — | 1 | 6 | 50 | 83 |
| West Virginia | — | 1 | 5 | 49 | 68 | 2 | 9 | 20 | 440 | 681 | — | 0 | 3 | 28 | 25 |
| E.S. Central | — | 7 | 22 | 353 | 461 | 212 | 510 | 687 | 23,356 | 27,718 | 3 | 3 | 9 | 140 | 127 |
| Alabama§ | — | 3 | 11 | 163 | 263 | 10 | 137 | 178 | 6,127 | 8,863 | — | 0 | 4 | 33 | 22 |
| Kentucky | N | 0 | 0 | N | N | — | 67 | 156 | 3,424 | 4,208 | — | 0 | 5 | 19 | 6 |
| Mississippi | N | 0 | 0 | N | N | 98 | 143 | 252 | 6,504 | 6,612 | — | 0 | 1 | 5 | 13 |
| Tennessee§ | — | 4 | 18 | 190 | 198 | 104 | 156 | 230 | 7,301 | 8,035 | 3 | 2 | 6 | 83 | 86 |
| W.S. Central | 6 | 7 | 22 | 388 | 418 | 119 | 886 | 1,556 | 40,457 | 46,317 | — | 2 | 22 | 101 | 104 |
| Arkansas§ | — | 2 | 9 | 138 | 132 | 50 | 82 | 134 | 3,796 | 4,185 | — | 0 | 3 | 16 | 13 |
| Louisiana | — | 2 | 8 | 96 | 137 | 55 | 167 | 418 | 7,698 | 8,610 | — | 0 | 1 | 12 | 10 |
| Oklahoma | 6 | 3 | 18 | 154 | 149 | 14 | 63 | 612 | 4,087 | 4,374 | — | 1 | 20 | 69 | 71 |
| Texas§ | N | 0 | 0 | N | N | — | 558 | 696 | 24,876 | 29,148 | — | 0 | 1 | 4 | 10 |
| Mountain | 13 | 28 | 59 | 1,415 | 1,492 | 85 | 170 | 234 | 7,265 | 10,560 | — | 5 | 11 | 209 | 266 |
| Arizona | 1 | 4 | 7 | 181 | 124 | 39 | 50 | 88 | 2,277 | 3,097 | — | 1 | 7 | 70 | 97 |
| Colorado | 6 | 8 | 26 | 444 | 523 | — | 46 | 106 | 1,978 | 3,420 | — | 1 | 6 | 62 | 52 |
| Idaho§ | 6 | 3 | 10 | 192 | 182 | — | 2 | 8 | 91 | 166 | — | 0 | 1 | 4 | 12 |
| Montana§ | — | 2 | 11 | 120 | 83 | — | 1 | 5 | 70 | 113 | — | 0 | 1 | 1 | 4 |
| Nevada§ | — | 1 | 10 | 68 | 113 | 21 | 28 | 93 | 1,524 | 1,967 | — | 0 | 2 | 15 | 16 |
| New Mexico§ | — | 2 | 8 | 104 | 100 | 24 | 23 | 52 | 1,026 | 1,237 | — | 0 | 3 | 25 | 44 |
| Utah | — | 5 | 12 | 251 | 323 | 1 | 5 | 12 | 230 | 444 | — | 1 | 2 | 29 | 37 |
| Wyoming§ | — | 1 | 4 | 55 | 44 | — | 1 | 5 | 69 | 116 | — | 0 | 1 | 3 | 4 |
| Pacific | 38 | 50 | 130 | 2,397 | 2,737 | 184 | 540 | 764 | 25,449 | 28,240 | 1 | 2 | 8 | 109 | 132 |
| Alaska | — | 2 | 7 | 100 | 97 | — | 15 | 24 | 578 | 492 | — | 0 | 3 | 17 | 19 |
| California | 30 | 33 | 55 | 1,563 | 1,802 | 147 | 450 | 657 | 21,484 | 23,200 | — | 0 | 4 | 25 | 42 |
| Hawaii | — | 0 | 2 | 17 | 40 | — | 11 | 24 | 547 | 559 | — | 0 | 3 | 24 | 18 |
| Oregon§ | 1 | 7 | 18 | 362 | 426 | 21 | 20 | 44 | 906 | 1,113 | 1 | 1 | 3 | 40 | 51 |
| Washington | 7 | 7 | 74 | 355 | 372 | 16 | 40 | 71 | 1,934 | 2,876 | — | 0 | 2 | 3 | 2 |
| American Samoa | — | 0 | 0 | — | — | — | 0 | 0 | — | — | 3 | — | 0 | — | — |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | 73 | — | 0 | 0 | — | — |
| Puerto Rico | — | 2 | 10 | 102 | 204 | — | 4 | 24 | 206 | 257 | — | 0 | 1 | 3 | 1 |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 2 | 7 | 93 | 112 | N | 0 | 0 | N | N |

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

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

* Incidence data for reporting year 2009 is 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 November 28, 2009, and November 22, 2008 (47th week)*

| Reporting area | Hepatitis (viral, acute), by type† | | | | | | | | | | Legionellosis | | | | |
|----------------------|------------------------------------|-------------------|----|----------|----------|--------------|-------------------|-----|----------|----------|---------------|-------------------|-----|----------|----------|
| | A | | | | | B | | | | | | | | | |
| | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 |
| | Med | Max | | | | Med | Max | | | | Med | Max | | | |
| United States | 10 | 36 | 89 | 1,674 | 2,340 | 14 | 63 | 197 | 2,736 | 3,424 | 21 | 55 | 157 | 2,832 | 2,821 |
| New England | — | 2 | 5 | 92 | 122 | — | 1 | 4 | 40 | 72 | 1 | 3 | 17 | 168 | 189 |
| Connecticut | — | 0 | 2 | 18 | 26 | — | 0 | 3 | 12 | 25 | 1 | 1 | 5 | 51 | 38 |
| Maine§ | — | 0 | 2 | 1 | 16 | — | 0 | 2 | 13 | 11 | — | 0 | 3 | 8 | 10 |
| Massachusetts | — | 1 | 4 | 56 | 55 | — | 0 | 2 | 12 | 21 | — | 1 | 9 | 73 | 78 |
| New Hampshire | — | 0 | 1 | 7 | 11 | — | 0 | 1 | 3 | 8 | — | 0 | 2 | 10 | 27 |
| Rhode Island§ | — | 0 | 1 | 8 | 12 | — | 0 | 0 | — | 4 | — | 0 | 12 | 19 | 31 |
| Vermont§ | — | 0 | 1 | 2 | 2 | — | 0 | 0 | — | 3 | — | 0 | 1 | 7 | 5 |
| Mid. Atlantic | — | 5 | 10 | 225 | 299 | 1 | 5 | 17 | 271 | 406 | 7 | 15 | 69 | 1,027 | 947 |
| New Jersey | — | 1 | 5 | 48 | 73 | — | 1 | 6 | 63 | 112 | — | 2 | 13 | 143 | 134 |
| New York (Upstate) | — | 1 | 3 | 44 | 60 | — | 1 | 11 | 47 | 58 | 7 | 5 | 29 | 327 | 319 |
| New York City | — | 2 | 5 | 73 | 102 | — | 1 | 4 | 62 | 95 | — | 3 | 20 | 203 | 124 |
| Pennsylvania | — | 1 | 6 | 60 | 64 | 1 | 2 | 7 | 99 | 141 | — | 6 | 25 | 354 | 370 |
| E.N. Central | — | 4 | 18 | 225 | 316 | — | 7 | 21 | 335 | 471 | 1 | 9 | 34 | 531 | 619 |
| Illinois | — | 1 | 12 | 95 | 105 | — | 1 | 6 | 69 | 173 | — | 1 | 10 | 87 | 112 |
| Indiana | — | 0 | 4 | 15 | 19 | — | 1 | 18 | 54 | 42 | — | 1 | 4 | 33 | 53 |
| Michigan | — | 1 | 4 | 64 | 115 | — | 2 | 8 | 108 | 130 | 1 | 2 | 11 | 135 | 166 |
| Ohio | — | 0 | 3 | 35 | 45 | — | 1 | 13 | 77 | 109 | — | 4 | 17 | 266 | 251 |
| Wisconsin | — | 0 | 4 | 16 | 32 | — | 0 | 4 | 27 | 17 | — | 0 | 2 | 10 | 37 |
| W.N. Central | — | 2 | 16 | 111 | 234 | — | 3 | 16 | 152 | 78 | — | 2 | 7 | 90 | 133 |
| Iowa | — | 0 | 3 | 32 | 106 | — | 0 | 3 | 28 | 20 | — | 0 | 2 | 19 | 20 |
| Kansas | — | 0 | 1 | 7 | 15 | — | 0 | 2 | 5 | 8 | — | 0 | 1 | 3 | 2 |
| Minnesota | — | 0 | 12 | 19 | 36 | — | 0 | 11 | 25 | 10 | — | 0 | 4 | 12 | 21 |
| Missouri | — | 0 | 3 | 29 | 32 | — | 1 | 5 | 73 | 31 | — | 1 | 5 | 43 | 67 |
| Nebraska§ | — | 0 | 3 | 20 | 41 | — | 0 | 2 | 19 | 8 | — | 0 | 2 | 11 | 20 |
| North Dakota | — | 0 | 2 | 1 | — | — | 0 | 1 | — | 1 | — | 0 | 3 | 1 | — |
| South Dakota | — | 0 | 1 | 3 | 4 | — | 0 | 1 | 2 | — | — | 0 | 1 | 1 | 3 |
| S. Atlantic | 4 | 7 | 14 | 375 | 363 | 6 | 17 | 32 | 803 | 847 | 7 | 10 | 20 | 490 | 448 |
| Delaware | — | 0 | 1 | 3 | 7 | U | 0 | 1 | U | U | — | 0 | 5 | 18 | 12 |
| District of Columbia | U | 0 | 0 | U | U | U | 0 | 0 | U | U | — | 0 | 2 | 9 | 16 |
| Florida | — | 4 | 9 | 163 | 134 | 5 | 6 | 11 | 266 | 294 | 3 | 3 | 10 | 174 | 129 |
| Georgia | — | 1 | 3 | 51 | 53 | — | 3 | 9 | 129 | 162 | — | 1 | 5 | 49 | 38 |
| Maryland§ | 1 | 0 | 4 | 39 | 41 | 1 | 1 | 5 | 66 | 77 | 2 | 2 | 12 | 125 | 124 |
| North Carolina | — | 0 | 3 | 25 | 60 | — | 1 | 19 | 148 | 72 | — | 0 | 6 | 39 | 36 |
| South Carolina§ | 2 | 1 | 4 | 52 | 17 | — | 1 | 4 | 49 | 61 | 1 | 0 | 2 | 12 | 11 |
| Virginia§ | 1 | 1 | 3 | 37 | 46 | — | 1 | 10 | 84 | 102 | 1 | 1 | 5 | 55 | 54 |
| West Virginia | — | 0 | 2 | 5 | 5 | — | 0 | 19 | 61 | 79 | — | 0 | 2 | 9 | 28 |
| E.S. Central | — | 1 | 4 | 39 | 77 | 2 | 7 | 11 | 288 | 359 | 1 | 2 | 12 | 122 | 108 |
| Alabama§ | — | 0 | 2 | 10 | 12 | — | 1 | 7 | 74 | 98 | — | 0 | 2 | 15 | 16 |
| Kentucky | — | 0 | 1 | 9 | 30 | — | 2 | 7 | 80 | 84 | 1 | 1 | 3 | 47 | 52 |
| Mississippi | — | 0 | 2 | 11 | 5 | — | 1 | 2 | 30 | 45 | — | 0 | 2 | 4 | 1 |
| Tennessee§ | — | 0 | 2 | 9 | 30 | 2 | 2 | 6 | 104 | 132 | — | 1 | 9 | 56 | 39 |
| W.S. Central | — | 3 | 43 | 157 | 224 | 3 | 10 | 99 | 436 | 664 | 1 | 2 | 21 | 100 | 90 |
| Arkansas§ | — | 0 | 1 | 8 | 9 | — | 1 | 5 | 46 | 58 | 1 | 0 | 1 | 8 | 13 |
| Louisiana | — | 0 | 1 | 3 | 11 | — | 0 | 4 | 33 | 85 | — | 0 | 2 | 4 | 9 |
| Oklahoma | — | 0 | 6 | 3 | 7 | — | 2 | 17 | 90 | 103 | — | 0 | 2 | 6 | 10 |
| Texas§ | — | 3 | 37 | 143 | 197 | 3 | 6 | 76 | 267 | 418 | — | 1 | 19 | 82 | 58 |
| Mountain | 2 | 3 | 8 | 146 | 200 | — | 2 | 6 | 108 | 187 | — | 2 | 7 | 122 | 89 |
| Arizona | 1 | 2 | 6 | 68 | 101 | — | 1 | 3 | 39 | 72 | — | 1 | 4 | 49 | 22 |
| Colorado | — | 1 | 5 | 46 | 36 | — | 0 | 2 | 20 | 32 | — | 0 | 2 | 18 | 13 |
| Idaho§ | 1 | 0 | 1 | 4 | 17 | — | 0 | 2 | 11 | 8 | — | 0 | 2 | 5 | 3 |
| Montana§ | — | 0 | 1 | 6 | 1 | — | 0 | 0 | — | 2 | — | 0 | 2 | 6 | 4 |
| Nevada§ | — | 0 | 2 | 8 | 12 | — | 0 | 3 | 24 | 42 | — | 0 | 1 | 9 | 11 |
| New Mexico§ | — | 0 | 1 | 6 | 17 | — | 0 | 2 | 5 | 11 | — | 0 | 2 | 8 | 10 |
| Utah | — | 0 | 2 | 6 | 13 | — | 0 | 1 | 5 | 14 | — | 0 | 4 | 23 | 26 |
| Wyoming§ | — | 0 | 1 | 2 | 3 | — | 0 | 2 | 4 | 6 | — | 0 | 2 | 4 | — |
| Pacific | 4 | 6 | 17 | 304 | 505 | 2 | 6 | 36 | 303 | 340 | 3 | 4 | 12 | 182 | 198 |
| Alaska | — | 0 | 1 | 3 | 5 | — | 0 | 1 | 3 | 10 | — | 0 | 1 | 1 | 2 |
| California | 3 | 5 | 16 | 242 | 412 | 2 | 4 | 28 | 218 | 242 | 3 | 3 | 10 | 144 | 155 |
| Hawaii | — | 0 | 2 | 6 | 17 | — | 0 | 1 | 5 | 7 | — | 0 | 1 | 1 | 8 |
| Oregon§ | — | 0 | 2 | 15 | 25 | — | 1 | 4 | 39 | 39 | — | 0 | 2 | 13 | 17 |
| Washington | 1 | 0 | 4 | 38 | 46 | — | 1 | 8 | 38 | 42 | — | 0 | 4 | 23 | 16 |
| American Samoa | — | 0 | 0 | — | — | — | 0 | 0 | — | — | N | 0 | 0 | N | N |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | — | 0 | 2 | 18 | 23 | — | 0 | 5 | 22 | 46 | — | 0 | 1 | 1 | — |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

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

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

* Incidence data for reporting year 2009 is 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 November 28, 2009, and November 22, 2008 (47th week)*

| Reporting area | Lyme disease | | | | | Malaria | | | | | Meningococcal disease, invasive† All groups | | | | |
|----------------------|--------------|-------------------|-------|----------|----------|--------------|-------------------|-----|----------|----------|--|-------------------|-----|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 153 | 431 | 1,899 | 27,342 | 31,044 | 7 | 22 | 45 | 1,048 | 1,107 | 7 | 16 | 48 | 783 | 1,047 |
| New England | 3 | 62 | 455 | 5,606 | 11,102 | — | 1 | 5 | 47 | 52 | — | 1 | 4 | 31 | 32 |
| Connecticut | — | 0 | 40 | — | 3,768 | — | 0 | 4 | 5 | 10 | — | 0 | 1 | 3 | 1 |
| Maine§ | — | 9 | 76 | 833 | 822 | — | 0 | 1 | 2 | 1 | — | 0 | 1 | 4 | 6 |
| Massachusetts | 1 | 22 | 306 | 3,229 | 4,468 | — | 0 | 3 | 30 | 31 | — | 0 | 3 | 16 | 20 |
| New Hampshire | — | 10 | 87 | 972 | 1,540 | — | 0 | 1 | 3 | 4 | — | 0 | 1 | 3 | 4 |
| Rhode Island§ | — | 1 | 78 | 205 | 123 | — | 0 | 1 | 5 | 2 | — | 0 | 1 | 4 | 1 |
| Vermont§ | 2 | 4 | 39 | 367 | 381 | — | 0 | 1 | 2 | 4 | — | 0 | 1 | 1 | — |
| Mid. Atlantic | 110 | 210 | 1,401 | 15,624 | 12,402 | 1 | 6 | 13 | 267 | 300 | 3 | 2 | 6 | 88 | 117 |
| New Jersey | — | 37 | 375 | 3,985 | 3,334 | — | 0 | 1 | 1 | 64 | — | 0 | 2 | 8 | 15 |
| New York (Upstate) | 38 | 62 | 1,368 | 3,859 | 4,658 | 1 | 1 | 10 | 45 | 28 | 2 | 0 | 2 | 23 | 30 |
| New York City | — | 2 | 23 | 201 | 769 | — | 3 | 11 | 173 | 169 | — | 0 | 2 | 15 | 24 |
| Pennsylvania | 72 | 63 | 630 | 7,579 | 3,641 | — | 1 | 4 | 48 | 39 | 1 | 1 | 4 | 42 | 48 |
| E.N. Central | — | 15 | 209 | 2,090 | 2,263 | — | 3 | 10 | 135 | 144 | — | 3 | 9 | 133 | 187 |
| Illinois | — | 1 | 11 | 117 | 107 | — | 1 | 4 | 53 | 73 | — | 1 | 6 | 34 | 73 |
| Indiana | — | 1 | 6 | 57 | 40 | — | 0 | 3 | 15 | 5 | — | 0 | 3 | 32 | 24 |
| Michigan | — | 1 | 10 | 109 | 84 | — | 0 | 3 | 26 | 17 | — | 0 | 5 | 18 | 32 |
| Ohio | — | 0 | 5 | 51 | 45 | — | 1 | 6 | 34 | 29 | — | 1 | 3 | 39 | 38 |
| Wisconsin | — | 11 | 191 | 1,756 | 1,987 | — | 0 | 1 | 7 | 20 | — | 0 | 2 | 10 | 20 |
| W.N. Central | 21 | 4 | 336 | 254 | 961 | 1 | 1 | 8 | 61 | 66 | 2 | 1 | 9 | 65 | 90 |
| Iowa | — | 1 | 14 | 89 | 105 | — | 0 | 1 | 10 | 11 | — | 0 | 1 | 8 | 18 |
| Kansas | — | 0 | 2 | 14 | 16 | — | 0 | 1 | 4 | 9 | — | 0 | 2 | 8 | 6 |
| Minnesota | 21 | 0 | 326 | 121 | 820 | — | 0 | 8 | 24 | 24 | — | 0 | 4 | 11 | 23 |
| Missouri | — | 0 | 2 | 10 | 6 | — | 0 | 2 | 13 | 14 | 2 | 0 | 3 | 26 | 25 |
| Nebraska§ | — | 0 | 3 | 19 | 11 | — | 0 | 1 | 8 | 8 | — | 0 | 1 | 9 | 12 |
| North Dakota | — | 0 | 10 | — | — | 1 | 0 | 0 | 1 | — | — | 0 | 3 | 1 | 3 |
| South Dakota | — | 0 | 1 | 1 | 3 | — | 0 | 1 | 1 | — | — | 0 | 1 | 2 | 3 |
| S. Atlantic | 16 | 60 | 233 | 3,469 | 3,991 | 2 | 6 | 17 | 300 | 268 | 1 | 2 | 9 | 141 | 145 |
| Delaware | 3 | 12 | 64 | 907 | 726 | — | 0 | 1 | 5 | 2 | — | 0 | 1 | 4 | 2 |
| District of Columbia | — | 0 | 5 | 19 | 71 | — | 0 | 2 | 6 | 4 | — | 0 | 0 | — | — |
| Florida | 5 | 1 | 12 | 116 | 78 | 1 | 2 | 7 | 84 | 53 | 1 | 1 | 4 | 50 | 48 |
| Georgia | — | 0 | 6 | 49 | 35 | — | 1 | 5 | 65 | 53 | — | 0 | 2 | 29 | 17 |
| Maryland§ | 6 | 25 | 123 | 1,626 | 2,085 | — | 1 | 5 | 60 | 77 | — | 0 | 1 | 10 | 17 |
| North Carolina | — | 0 | 14 | 58 | 39 | — | 0 | 5 | 21 | 27 | — | 0 | 5 | 19 | 12 |
| South Carolina§ | — | 0 | 3 | 31 | 26 | — | 0 | 1 | 4 | 9 | — | 0 | 1 | 11 | 22 |
| Virginia§ | 2 | 10 | 61 | 498 | 803 | 1 | 1 | 5 | 53 | 41 | — | 0 | 2 | 12 | 22 |
| West Virginia | — | 0 | 33 | 165 | 128 | — | 0 | 1 | 2 | 2 | — | 0 | 2 | 6 | 5 |
| E.S. Central | 1 | 0 | 2 | 29 | 45 | — | 0 | 3 | 27 | 21 | — | 0 | 4 | 31 | 51 |
| Alabama§ | — | 0 | 1 | 2 | 9 | — | 0 | 3 | 8 | 5 | — | 0 | 1 | 8 | 10 |
| Kentucky | — | 0 | 1 | 1 | 5 | — | 0 | 2 | 9 | 5 | — | 0 | 1 | 6 | 8 |
| Mississippi | — | 0 | 0 | — | 1 | — | 0 | 1 | 1 | 1 | — | 0 | 1 | 3 | 11 |
| Tennessee§ | 1 | 0 | 2 | 26 | 30 | — | 0 | 3 | 9 | 10 | — | 0 | 2 | 14 | 22 |
| W.S. Central | — | 1 | 21 | 40 | 112 | — | 1 | 10 | 41 | 76 | 1 | 1 | 12 | 76 | 109 |
| Arkansas§ | — | 0 | 0 | — | — | — | 0 | 1 | 4 | 1 | — | 0 | 2 | 9 | 13 |
| Louisiana | — | 0 | 0 | — | 3 | — | 0 | 1 | 3 | 3 | — | 0 | 3 | 11 | 23 |
| Oklahoma | — | 0 | 2 | — | — | — | 0 | 2 | 1 | 2 | — | 0 | 2 | 12 | 17 |
| Texas§ | — | 1 | 21 | 40 | 109 | — | 0 | 9 | 33 | 70 | 1 | 1 | 9 | 44 | 56 |
| Mountain | — | 1 | 13 | 40 | 49 | 1 | 0 | 5 | 28 | 33 | — | 1 | 4 | 54 | 57 |
| Arizona | — | 0 | 2 | 6 | 8 | 1 | 0 | 2 | 9 | 14 | — | 0 | 2 | 13 | 9 |
| Colorado | — | 0 | 1 | 4 | 3 | — | 0 | 3 | 8 | 5 | — | 0 | 2 | 18 | 14 |
| Idaho§ | — | 0 | 2 | 12 | 9 | — | 0 | 1 | 2 | 3 | — | 0 | 1 | 7 | 5 |
| Montana§ | — | 0 | 13 | 3 | 4 | — | 0 | 3 | 5 | — | — | 0 | 2 | 4 | 4 |
| Nevada§ | — | 0 | 1 | 4 | 11 | — | 0 | 1 | — | 4 | — | 0 | 1 | 2 | 7 |
| New Mexico§ | — | 0 | 1 | 5 | 8 | — | 0 | 0 | — | 3 | — | 0 | 1 | 3 | 8 |
| Utah | — | 0 | 1 | 4 | 4 | — | 0 | 2 | 4 | 4 | — | 0 | 1 | 2 | 8 |
| Wyoming§ | — | 0 | 1 | 2 | 2 | — | 0 | 0 | — | — | — | 0 | 2 | 5 | 2 |
| Pacific | 2 | 4 | 13 | 190 | 119 | 2 | 3 | 9 | 142 | 147 | — | 3 | 14 | 164 | 259 |
| Alaska | — | 0 | 1 | 2 | 6 | — | 0 | 1 | 2 | 6 | — | 0 | 2 | 6 | 8 |
| California | 1 | 2 | 10 | 140 | 67 | 2 | 2 | 6 | 107 | 109 | — | 2 | 8 | 104 | 186 |
| Hawaii | N | 0 | 0 | N | N | — | 0 | 1 | 1 | 3 | — | 0 | 1 | 4 | 5 |
| Oregon§ | — | 0 | 4 | 33 | 36 | — | 0 | 2 | 11 | 4 | — | 0 | 6 | 37 | 36 |
| Washington | 1 | 0 | 12 | 15 | 10 | — | 0 | 3 | 21 | 25 | — | 0 | 6 | 13 | 24 |
| American Samoa | N | 0 | 0 | N | N | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | 3 | — | 0 | 0 | — | — |
| Puerto Rico | N | 0 | 0 | N | N | — | 0 | 1 | 3 | 2 | — | 0 | 0 | — | 3 |
| U.S. Virgin Islands | N | 0 | 0 | N | N | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

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

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

* Incidence data for reporting year 2009 is provisional.

† Data for meningococcal disease, invasive caused by serogroups A, C, Y, and 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 November 28, 2009, and November 22, 2008 (47th week)*

| Reporting area | Pertussis | | | | | Rabies, animal | | | | | Rocky Mountain spotted fever | | | | |
|----------------------|--------------|-------------------|-------|----------|----------|----------------|-------------------|-----|----------|----------|------------------------------|-------------------|-----|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 38 | 274 | 1,697 | 12,345 | 9,593 | 72 | 63 | 140 | 3,395 | 3,916 | 7 | 24 | 179 | 1,305 | 2,226 |
| New England | — | 12 | 27 | 549 | 931 | 3 | 6 | 24 | 317 | 392 | — | 0 | 2 | 11 | 7 |
| Connecticut | — | 0 | 4 | 37 | 52 | — | 2 | 22 | 132 | 187 | — | 0 | 0 | — | — |
| Maine† | — | 1 | 10 | 74 | 39 | — | 1 | 4 | 49 | 54 | — | 0 | 2 | 5 | 1 |
| Massachusetts | — | 7 | 19 | 327 | 715 | — | 0 | 0 | — | — | — | 0 | 1 | 5 | 2 |
| New Hampshire | — | 1 | 7 | 71 | 38 | 1 | 0 | 3 | 29 | 53 | — | 0 | 0 | — | 1 |
| Rhode Island† | — | 0 | 7 | 30 | 75 | — | 1 | 6 | 47 | 32 | — | 0 | 0 | — | 3 |
| Vermont† | — | 0 | 1 | 10 | 12 | 2 | 1 | 5 | 60 | 66 | — | 0 | 1 | 1 | — |
| Mid. Atlantic | 12 | 22 | 64 | 1,015 | 1,062 | 6 | 11 | 23 | 549 | 872 | — | 1 | 29 | 64 | 119 |
| New Jersey | — | 3 | 12 | 151 | 195 | — | 0 | 0 | — | — | — | 0 | 2 | — | 79 |
| New York (Upstate) | 3 | 4 | 41 | 219 | 392 | 6 | 7 | 22 | 410 | 464 | — | 0 | 29 | 12 | 14 |
| New York City | — | 1 | 21 | 86 | 67 | — | 0 | 3 | 21 | 19 | — | 0 | 4 | 30 | 11 |
| Pennsylvania | 9 | 12 | 33 | 559 | 408 | — | 0 | 16 | 118 | 389 | — | 0 | 2 | 22 | 15 |
| E.N. Central | 6 | 59 | 238 | 2,683 | 1,639 | — | 2 | 19 | 215 | 252 | — | 1 | 6 | 87 | 147 |
| Illinois | — | 13 | 40 | 547 | 448 | — | 1 | 9 | 87 | 103 | — | 0 | 6 | 49 | 109 |
| Indiana | — | 6 | 158 | 285 | 95 | — | 0 | 6 | 21 | 10 | — | 0 | 3 | 13 | 6 |
| Michigan | 6 | 12 | 40 | 737 | 258 | — | 1 | 6 | 62 | 77 | — | 0 | 2 | 6 | 3 |
| Ohio | — | 19 | 57 | 983 | 675 | — | 0 | 5 | 45 | 62 | — | 0 | 4 | 18 | 29 |
| Wisconsin | — | 3 | 12 | 131 | 163 | N | 0 | 0 | N | N | — | 0 | 1 | 1 | — |
| W.N. Central | — | 32 | 872 | 1,539 | 1,162 | — | 6 | 18 | 318 | 288 | — | 4 | 27 | 315 | 432 |
| Iowa | — | 4 | 12 | 179 | 201 | — | 0 | 3 | 24 | 27 | — | 0 | 2 | 5 | 8 |
| Kansas | — | 3 | 9 | 142 | 75 | — | 1 | 6 | 60 | 61 | — | 0 | 1 | 2 | — |
| Minnesota | — | 0 | 808 | 165 | 226 | — | 0 | 11 | 61 | 60 | — | 0 | 1 | 2 | — |
| Missouri | — | 19 | 51 | 858 | 388 | — | 1 | 5 | 65 | 62 | — | 3 | 26 | 294 | 401 |
| Nebraska† | — | 3 | 18 | 136 | 207 | — | 1 | 6 | 77 | 32 | — | 0 | 2 | 12 | 20 |
| North Dakota | — | 0 | 24 | 29 | 1 | — | 0 | 9 | 4 | 25 | — | 0 | 1 | — | — |
| South Dakota | — | 0 | 6 | 30 | 64 | — | 0 | 4 | 27 | 21 | — | 0 | 0 | — | 3 |
| S. Atlantic | 11 | 32 | 71 | 1,468 | 871 | 63 | 25 | 111 | 1,542 | 1,548 | 7 | 9 | 40 | 434 | 858 |
| Delaware | — | 0 | 2 | 13 | 17 | — | 0 | 0 | — | — | — | 0 | 3 | 17 | 32 |
| District of Columbia | — | 0 | 2 | 3 | 5 | — | 0 | 0 | — | — | — | 0 | 0 | — | 6 |
| Florida | 6 | 9 | 31 | 493 | 266 | — | 0 | 95 | 146 | 138 | — | 0 | 2 | 9 | 14 |
| Georgia | 1 | 3 | 11 | 186 | 97 | 63 | 0 | 72 | 409 | 360 | — | 0 | 7 | 44 | 77 |
| Maryland† | — | 2 | 8 | 114 | 140 | — | 7 | 15 | 363 | 402 | — | 1 | 3 | 34 | 88 |
| North Carolina | — | 0 | 65 | 223 | 79 | N | 2 | 4 | N | N | 7 | 4 | 36 | 257 | 438 |
| South Carolina† | 3 | 4 | 18 | 233 | 116 | — | 0 | 0 | — | — | — | 0 | 5 | 18 | 54 |
| Virginia† | — | 3 | 24 | 172 | 140 | — | 10 | 26 | 513 | 576 | — | 1 | 8 | 51 | 141 |
| West Virginia | 1 | 0 | 5 | 31 | 11 | — | 3 | 6 | 111 | 72 | — | 0 | 1 | 4 | 8 |
| E.S. Central | 3 | 14 | 33 | 687 | 368 | — | 1 | 6 | 83 | 177 | — | 4 | 16 | 246 | 326 |
| Alabama† | — | 4 | 19 | 261 | 55 | — | 0 | 0 | — | — | — | 1 | 7 | 59 | 89 |
| Kentucky | — | 4 | 15 | 206 | 126 | — | 1 | 4 | 45 | 45 | — | 0 | 1 | 1 | 1 |
| Mississippi | — | 1 | 4 | 53 | 98 | — | 0 | 1 | 4 | 7 | — | 0 | 1 | 7 | 10 |
| Tennessee† | 3 | 3 | 14 | 167 | 89 | — | 0 | 4 | 34 | 125 | — | 3 | 14 | 179 | 226 |
| W.S. Central | 4 | 64 | 389 | 2,692 | 1,546 | — | 0 | 13 | 66 | 82 | — | 1 | 161 | 127 | 290 |
| Arkansas† | 3 | 5 | 38 | 263 | 132 | — | 0 | 10 | 33 | 44 | — | 0 | 61 | 59 | 65 |
| Louisiana | — | 1 | 8 | 90 | 81 | — | 0 | 0 | — | — | — | 0 | 1 | 2 | 6 |
| Oklahoma | 1 | 0 | 45 | 75 | 53 | — | 0 | 13 | 32 | 36 | — | 0 | 98 | 53 | 168 |
| Texas† | — | 55 | 304 | 2,264 | 1,280 | — | 0 | 1 | 1 | 2 | — | 0 | 6 | 13 | 51 |
| Mountain | — | 17 | 32 | 768 | 764 | — | 1 | 6 | 82 | 105 | — | 0 | 3 | 20 | 44 |
| Arizona | — | 3 | 10 | 180 | 206 | N | 0 | 0 | N | N | — | 0 | 1 | 5 | 16 |
| Colorado | — | 5 | 12 | 220 | 138 | — | 0 | 0 | — | — | — | 0 | 1 | 1 | 1 |
| Idaho† | — | 1 | 5 | 66 | 29 | — | 0 | 0 | — | 11 | — | 0 | 1 | 1 | 1 |
| Montana† | — | 0 | 6 | 52 | 83 | — | 0 | 4 | 25 | 13 | — | 0 | 2 | 8 | 3 |
| Nevada† | — | 0 | 3 | 9 | 27 | — | 0 | 1 | 1 | 12 | — | 0 | 0 | — | 3 |
| New Mexico† | — | 1 | 10 | 58 | 66 | — | 0 | 2 | 24 | 29 | — | 0 | 1 | 1 | 4 |
| Utah | — | 4 | 19 | 163 | 198 | — | 0 | 2 | 11 | 14 | — | 0 | 1 | 1 | 6 |
| Wyoming† | — | 0 | 5 | 20 | 17 | — | 0 | 4 | 21 | 26 | — | 0 | 1 | 3 | 10 |
| Pacific | 2 | 24 | 67 | 944 | 1,250 | — | 4 | 12 | 223 | 200 | — | 0 | 1 | 1 | 3 |
| Alaska | — | 1 | 21 | 38 | 225 | — | 0 | 2 | 12 | 14 | N | 0 | 0 | N | N |
| California | — | 8 | 22 | 389 | 476 | — | 4 | 12 | 196 | 173 | — | 0 | 1 | 1 | — |
| Hawaii | — | 0 | 3 | 26 | 16 | — | 0 | 0 | — | — | N | 0 | 0 | N | N |
| Oregon† | 1 | 4 | 16 | 241 | 161 | — | 0 | 3 | 15 | 13 | — | 0 | 0 | — | 3 |
| Washington | 1 | 6 | 58 | 250 | 372 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| American Samoa | — | 0 | 0 | — | — | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | — | N | 0 | 0 | N | N |
| Puerto Rico | — | 0 | 1 | 1 | — | — | 1 | 3 | 38 | 58 | N | 0 | 0 | N | N |
| U.S. Virgin Islands | — | 0 | 0 | — | — | N | 0 | 0 | N | N | N | 0 | 0 | N | N |

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

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

* Incidence data for reporting year 2009 is 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 November 28, 2009, and November 22, 2008 (47th week)*

| Reporting area | Salmonellosis | | | | | Shiga toxin-producing <i>E. coli</i> (STEC)† | | | | | Shigellosis | | | | |
|----------------------|---------------|-------------------|-------|----------|----------|--|-------------------|-----|----------|----------|--------------|-------------------|-------|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 412 | 879 | 2,323 | 40,744 | 44,078 | 30 | 82 | 255 | 4,005 | 4,688 | 90 | 288 | 1,268 | 13,197 | 18,948 |
| New England | 1 | 32 | 409 | 1,951 | 2,079 | — | 4 | 67 | 257 | 241 | — | 4 | 42 | 315 | 225 |
| Connecticut | — | 0 | 384 | 384 | 491 | — | 0 | 67 | 67 | 47 | — | 0 | 37 | 37 | 40 |
| Maine§ | — | 2 | 7 | 112 | 143 | — | 0 | 3 | 17 | 22 | — | 0 | 2 | 5 | 20 |
| Massachusetts | 1 | 22 | 50 | 1,045 | 1,117 | — | 2 | 6 | 89 | 106 | — | 3 | 27 | 226 | 145 |
| New Hampshire | — | 3 | 42 | 230 | 140 | — | 1 | 3 | 35 | 27 | — | 0 | 4 | 19 | 5 |
| Rhode Island§ | — | 2 | 11 | 122 | 101 | — | 0 | 13 | 25 | 9 | — | 0 | 7 | 23 | 12 |
| Vermont§ | — | 1 | 5 | 58 | 87 | — | 0 | 3 | 24 | 30 | — | 0 | 2 | 5 | 3 |
| Mid. Atlantic | 30 | 93 | 196 | 4,650 | 5,301 | 3 | 6 | 21 | 320 | 436 | 10 | 57 | 87 | 2,462 | 2,278 |
| New Jersey | — | 14 | 46 | 794 | 1,208 | — | 1 | 4 | 32 | 126 | — | 11 | 27 | 501 | 823 |
| New York (Upstate) | 22 | 23 | 66 | 1,199 | 1,280 | 3 | 3 | 9 | 138 | 167 | 5 | 4 | 23 | 201 | 546 |
| New York City | 1 | 21 | 42 | 1,089 | 1,193 | — | 1 | 5 | 55 | 52 | — | 9 | 15 | 406 | 693 |
| Pennsylvania | 7 | 30 | 64 | 1,568 | 1,620 | — | 1 | 8 | 95 | 91 | 5 | 27 | 63 | 1,354 | 216 |
| E.N. Central | — | 93 | 151 | 4,259 | 4,729 | 1 | 15 | 31 | 715 | 820 | — | 50 | 132 | 2,135 | 3,710 |
| Illinois | — | 25 | 51 | 1,166 | 1,384 | — | 2 | 10 | 129 | 132 | — | 10 | 25 | 454 | 899 |
| Indiana | — | 6 | 50 | 341 | 572 | — | 1 | 7 | 71 | 86 | — | 1 | 21 | 56 | 561 |
| Michigan | — | 18 | 34 | 845 | 875 | 1 | 3 | 8 | 146 | 206 | — | 5 | 24 | 194 | 157 |
| Ohio | — | 28 | 52 | 1,314 | 1,190 | — | 2 | 11 | 122 | 185 | — | 23 | 68 | 1,025 | 1,565 |
| Wisconsin | — | 12 | 29 | 593 | 708 | — | 4 | 17 | 247 | 211 | — | 7 | 25 | 406 | 528 |
| W.N. Central | 9 | 47 | 109 | 2,327 | 2,577 | 4 | 11 | 37 | 662 | 764 | 21 | 20 | 64 | 1,023 | 824 |
| Iowa | — | 7 | 16 | 356 | 391 | — | 2 | 14 | 146 | 200 | — | 1 | 12 | 50 | 163 |
| Kansas | — | 6 | 18 | 269 | 433 | — | 0 | 4 | 33 | 50 | — | 3 | 11 | 159 | 57 |
| Minnesota | 3 | 12 | 51 | 540 | 654 | 3 | 2 | 19 | 211 | 175 | — | 2 | 10 | 77 | 277 |
| Missouri | 4 | 13 | 34 | 611 | 699 | 1 | 2 | 10 | 124 | 145 | 21 | 9 | 58 | 700 | 205 |
| Nebraska§ | 1 | 6 | 41 | 325 | 217 | — | 1 | 6 | 81 | 143 | — | 0 | 3 | 28 | 13 |
| North Dakota | 1 | 0 | 30 | 70 | 40 | — | 0 | 28 | 7 | 2 | — | 0 | 9 | 5 | 33 |
| South Dakota | — | 2 | 22 | 156 | 143 | — | 0 | 12 | 60 | 49 | — | 0 | 1 | 4 | 76 |
| S. Atlantic | 252 | 266 | 447 | 12,215 | 11,403 | 3 | 12 | 30 | 583 | 747 | 15 | 45 | 79 | 2,097 | 2,906 |
| Delaware | 2 | 2 | 9 | 126 | 143 | — | 0 | 2 | 13 | 11 | — | 2 | 9 | 132 | 9 |
| District of Columbia | — | 0 | 5 | 23 | 58 | — | 0 | 1 | 1 | 6 | — | 0 | 2 | 6 | 21 |
| Florida | 140 | 115 | 278 | 5,967 | 4,740 | — | 4 | 7 | 158 | 133 | 3 | 9 | 24 | 425 | 749 |
| Georgia | 23 | 41 | 98 | 2,198 | 2,128 | — | 1 | 4 | 65 | 83 | 4 | 13 | 29 | 603 | 1,050 |
| Maryland§ | 13 | 15 | 29 | 714 | 794 | — | 2 | 5 | 85 | 121 | 1 | 6 | 19 | 343 | 102 |
| North Carolina | 19 | 17 | 92 | 997 | 1,279 | 2 | 2 | 21 | 84 | 101 | 3 | 5 | 27 | 291 | 212 |
| South Carolina§ | 48 | 16 | 64 | 1,050 | 1,090 | 1 | 0 | 3 | 28 | 42 | 2 | 3 | 9 | 108 | 526 |
| Virginia§ | 5 | 21 | 88 | 939 | 979 | — | 2 | 16 | 120 | 218 | 2 | 4 | 59 | 181 | 204 |
| West Virginia | 2 | 4 | 23 | 201 | 192 | — | 0 | 5 | 29 | 32 | — | 0 | 3 | 8 | 33 |
| E.S. Central | 18 | 49 | 113 | 2,652 | 3,280 | 3 | 4 | 12 | 199 | 268 | 1 | 14 | 47 | 715 | 1,799 |
| Alabama§ | 3 | 14 | 32 | 710 | 940 | — | 1 | 4 | 41 | 60 | — | 3 | 11 | 120 | 391 |
| Kentucky | 4 | 8 | 18 | 419 | 446 | 1 | 1 | 4 | 66 | 97 | 1 | 2 | 25 | 199 | 254 |
| Mississippi | — | 14 | 45 | 784 | 1,015 | — | 0 | 1 | 6 | 5 | — | 1 | 4 | 43 | 292 |
| Tennessee§ | 11 | 14 | 33 | 739 | 879 | 2 | 2 | 10 | 86 | 106 | — | 7 | 36 | 353 | 862 |
| W.S. Central | 42 | 99 | 1,333 | 4,385 | 6,496 | 1 | 5 | 139 | 244 | 350 | 27 | 51 | 967 | 2,287 | 4,453 |
| Arkansas§ | 5 | 12 | 25 | 572 | 729 | — | 1 | 4 | 40 | 54 | 4 | 6 | 16 | 287 | 526 |
| Louisiana | — | 9 | 43 | 599 | 1,063 | — | 0 | 1 | — | 8 | — | 2 | 9 | 108 | 609 |
| Oklahoma | 6 | 13 | 102 | 581 | 755 | 1 | 0 | 82 | 30 | 50 | 3 | 5 | 61 | 260 | 161 |
| Texas§ | 31 | 57 | 1,204 | 2,633 | 3,949 | — | 4 | 55 | 174 | 238 | 20 | 33 | 889 | 1,632 | 3,157 |
| Mountain | 9 | 53 | 128 | 2,583 | 3,096 | — | 10 | 26 | 501 | 589 | 2 | 21 | 49 | 1,045 | 1,099 |
| Arizona | 2 | 20 | 50 | 944 | 1,033 | — | 1 | 4 | 67 | 62 | 2 | 16 | 42 | 767 | 557 |
| Colorado | 3 | 12 | 33 | 566 | 654 | — | 3 | 13 | 153 | 194 | — | 2 | 11 | 92 | 116 |
| Idaho§ | 1 | 3 | 10 | 160 | 176 | — | 1 | 7 | 88 | 137 | — | 0 | 2 | 9 | 14 |
| Montana§ | — | 2 | 7 | 96 | 115 | — | 0 | 7 | 34 | 32 | — | 0 | 5 | 13 | 8 |
| Nevada§ | 3 | 3 | 11 | 161 | 216 | — | 0 | 3 | 14 | 18 | — | 1 | 7 | 58 | 220 |
| New Mexico§ | — | 5 | 29 | 304 | 497 | — | 1 | 3 | 33 | 49 | — | 1 | 11 | 88 | 141 |
| Utah | — | 6 | 15 | 273 | 328 | — | 1 | 10 | 98 | 84 | — | 0 | 3 | 16 | 36 |
| Wyoming§ | — | 1 | 8 | 79 | 77 | — | 0 | 2 | 14 | 13 | — | 0 | 1 | 2 | 7 |
| Pacific | 51 | 127 | 537 | 5,722 | 5,117 | 15 | 9 | 31 | 524 | 473 | 14 | 24 | 66 | 1,118 | 1,654 |
| Alaska | — | 1 | 7 | 66 | 50 | — | 0 | 0 | — | 6 | — | 0 | 1 | 2 | 1 |
| California | 41 | 95 | 516 | 4,319 | 3,745 | 6 | 5 | 15 | 245 | 227 | 12 | 19 | 65 | 909 | 1,430 |
| Hawaii | 2 | 5 | 27 | 255 | 243 | — | 0 | 2 | 8 | 13 | — | 0 | 4 | 34 | 40 |
| Oregon§ | — | 8 | 18 | 383 | 400 | — | 1 | 11 | 77 | 62 | — | 1 | 3 | 34 | 91 |
| Washington | 8 | 12 | 85 | 699 | 679 | 9 | 2 | 17 | 194 | 165 | 2 | 3 | 11 | 139 | 92 |
| American Samoa | — | 0 | 1 | — | 2 | — | 0 | 0 | — | — | — | 1 | 2 | 3 | 1 |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 0 | 0 | — | 13 | — | 0 | 0 | — | — | — | 0 | 0 | — | 15 |
| Puerto Rico | — | 8 | 40 | 376 | 708 | — | 0 | 0 | — | — | — | 0 | 2 | 10 | 31 |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

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

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

* Incidence data for reporting year 2009 is 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 November 28, 2009, and November 22, 2008 (47th week)*

| Reporting area | Streptococcal diseases, invasive, group A | | | | <i>Streptococcus pneumoniae</i> , invasive disease, nondrug resistant† Age <5 years | | | | | |
|----------------------|---|-------------------|-----|----------|--|--------------|-------------------|-----|----------|----------|
| | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 |
| | | Med | Max | | | | Med | Max | | |
| United States | 30 | 102 | 239 | 4,494 | 4,907 | 10 | 32 | 122 | 1,527 | 1,639 |
| New England | — | 5 | 28 | 272 | 340 | — | 1 | 6 | 56 | 90 |
| Connecticut | — | 0 | 21 | 72 | 92 | — | 0 | 4 | — | 11 |
| Maine§ | — | 0 | 2 | 17 | 26 | — | 0 | 1 | 5 | 2 |
| Massachusetts | — | 3 | 10 | 120 | 160 | — | 1 | 4 | 35 | 56 |
| New Hampshire | — | 0 | 4 | 34 | 24 | — | 0 | 2 | 11 | 11 |
| Rhode Island§ | — | 0 | 2 | 11 | 25 | — | 0 | 1 | 1 | 10 |
| Vermont§ | — | 0 | 3 | 18 | 13 | — | 0 | 1 | 4 | — |
| Mid. Atlantic | 8 | 20 | 43 | 895 | 971 | 1 | 4 | 33 | 217 | 203 |
| New Jersey | — | 3 | 7 | 124 | 174 | — | 0 | 4 | 38 | 69 |
| New York (Upstate) | 5 | 7 | 25 | 294 | 298 | 1 | 2 | 17 | 109 | 90 |
| New York City | 1 | 4 | 12 | 167 | 185 | — | 0 | 31 | 70 | 44 |
| Pennsylvania | 2 | 6 | 18 | 310 | 314 | N | 0 | 2 | N | N |
| E.N. Central | 2 | 17 | 42 | 801 | 898 | — | 5 | 18 | 228 | 300 |
| Illinois | — | 5 | 12 | 228 | 240 | — | 0 | 5 | 23 | 86 |
| Indiana | — | 2 | 23 | 125 | 119 | — | 0 | 13 | 32 | 31 |
| Michigan | 1 | 3 | 11 | 130 | 165 | — | 1 | 4 | 59 | 77 |
| Ohio | — | 4 | 13 | 193 | 242 | — | 1 | 6 | 69 | 55 |
| Wisconsin | 1 | 2 | 11 | 125 | 132 | — | 1 | 3 | 45 | 51 |
| W.N. Central | — | 6 | 37 | 356 | 356 | 2 | 2 | 11 | 137 | 95 |
| Iowa | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Kansas | — | 0 | 5 | 37 | 36 | N | 0 | 1 | N | N |
| Minnesota | — | 0 | 34 | 161 | 166 | — | 0 | 10 | 79 | 34 |
| Missouri | — | 2 | 8 | 80 | 85 | — | 0 | 4 | 32 | 34 |
| Nebraska§ | — | 1 | 3 | 41 | 37 | 2 | 0 | 1 | 14 | 8 |
| North Dakota | — | 0 | 4 | 16 | 10 | — | 0 | 3 | 5 | 9 |
| South Dakota | — | 0 | 3 | 21 | 22 | — | 0 | 2 | 7 | 10 |
| S. Atlantic | 13 | 21 | 49 | 1,039 | 1,035 | 5 | 6 | 18 | 293 | 319 |
| Delaware | 1 | 0 | 1 | 11 | 8 | — | 0 | 0 | — | — |
| District of Columbia | — | 0 | 3 | 12 | 14 | N | 0 | 0 | N | N |
| Florida | 5 | 5 | 12 | 256 | 245 | 2 | 1 | 6 | 65 | 61 |
| Georgia | — | 5 | 13 | 245 | 235 | — | 2 | 6 | 78 | 90 |
| Maryland§ | 4 | 3 | 12 | 177 | 176 | 3 | 1 | 7 | 71 | 53 |
| North Carolina | 2 | 2 | 12 | 88 | 126 | N | 0 | 0 | N | N |
| South Carolina§ | 1 | 1 | 5 | 66 | 68 | — | 1 | 6 | 44 | 62 |
| Virginia§ | — | 3 | 9 | 147 | 127 | — | 0 | 4 | 23 | 42 |
| West Virginia | — | 1 | 4 | 37 | 36 | — | 0 | 3 | 12 | 11 |
| E.S. Central | 1 | 3 | 10 | 178 | 174 | — | 2 | 7 | 91 | 86 |
| Alabama§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| Kentucky | — | 1 | 5 | 35 | 38 | N | 0 | 0 | N | N |
| Mississippi | N | 0 | 0 | N | N | — | 0 | 2 | 19 | 9 |
| Tennessee§ | 1 | 3 | 9 | 143 | 136 | — | 1 | 6 | 72 | 77 |
| W.S. Central | 2 | 8 | 79 | 397 | 450 | 2 | 5 | 46 | 264 | 261 |
| Arkansas§ | 1 | 0 | 3 | 18 | 11 | — | 0 | 4 | 26 | 13 |
| Louisiana | — | 0 | 3 | 11 | 17 | — | 0 | 3 | 13 | 13 |
| Oklahoma | — | 3 | 20 | 123 | 103 | — | 1 | 7 | 52 | 62 |
| Texas§ | 1 | 5 | 59 | 245 | 319 | 2 | 3 | 34 | 173 | 173 |
| Mountain | 4 | 10 | 22 | 406 | 526 | — | 4 | 16 | 210 | 240 |
| Arizona | 1 | 3 | 9 | 141 | 181 | — | 2 | 10 | 102 | 106 |
| Colorado | 2 | 2 | 7 | 117 | 133 | — | 1 | 4 | 44 | 55 |
| Idaho§ | — | 0 | 2 | 10 | 16 | — | 0 | 2 | 8 | 5 |
| Montana§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| Nevada§ | 1 | 0 | 1 | 5 | 13 | — | 0 | 1 | — | 3 |
| New Mexico§ | — | 1 | 7 | 75 | 126 | — | 0 | 4 | 24 | 34 |
| Utah | — | 1 | 6 | 57 | 50 | — | 0 | 5 | 32 | 35 |
| Wyoming§ | — | 0 | 1 | 1 | 7 | — | 0 | 0 | — | 2 |
| Pacific | — | 3 | 9 | 150 | 157 | — | 0 | 4 | 31 | 45 |
| Alaska | — | 1 | 4 | 34 | 34 | — | 0 | 3 | 23 | 28 |
| California | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| Hawaii | — | 2 | 8 | 116 | 123 | — | 0 | 2 | 8 | 17 |
| Oregon§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| Washington | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| American Samoa | — | 0 | 0 | — | 30 | N | 0 | 0 | N | N |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| U.S. Virgin Islands | — | 0 | 0 | — | — | N | 0 | 0 | N | N |

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

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

* Incidence data for reporting year 2009 is 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 (NNDS 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 November 28, 2009, and November 22, 2008 (47th week)*

| Reporting area | <i>Streptococcus pneumoniae</i> , invasive disease, drug resistant† | | | | | | | | | | Syphilis, primary and secondary | | | | |
|----------------------|---|-------------------|-----|----------|---------------|--------------|-------------------|-----|----------|----------|---------------------------------|-------------------|-----|----------|----------|
| | All ages | | | | Aged <5 years | | | | | | | | | | |
| | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| United States | 15 | 54 | 276 | 2,414 | 2,791 | 7 | 8 | 20 | 388 | 455 | 81 | 269 | 452 | 11,915 | 11,821 |
| New England | 1 | 1 | 16 | 50 | 108 | — | 0 | 2 | 3 | 15 | 4 | 5 | 15 | 289 | 289 |
| Connecticut | — | 0 | 15 | — | 55 | — | 0 | 2 | — | 5 | 1 | 1 | 5 | 52 | 30 |
| Maine§ | — | 0 | 2 | 16 | 17 | — | 0 | 1 | 1 | 2 | — | 0 | 1 | 3 | 10 |
| Massachusetts | — | 0 | 1 | 3 | — | — | 0 | 1 | 2 | — | 2 | 4 | 10 | 207 | 202 |
| New Hampshire | — | 0 | 3 | 5 | — | — | 0 | 0 | — | — | 1 | 0 | 2 | 14 | 19 |
| Rhode Island§ | — | 0 | 6 | 13 | 22 | — | 0 | 1 | — | 6 | — | 0 | 5 | 13 | 18 |
| Vermont§ | 1 | 0 | 2 | 13 | 14 | — | 0 | 0 | — | 2 | — | 0 | 1 | — | 10 |
| Mid. Atlantic | 1 | 3 | 14 | 158 | 281 | — | 0 | 3 | 24 | 28 | 32 | 35 | 50 | 1,645 | 1,525 |
| New Jersey | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 4 | 13 | 200 | 196 |
| New York (Upstate) | 1 | 1 | 10 | 71 | 63 | — | 0 | 2 | 13 | 8 | 4 | 2 | 8 | 110 | 121 |
| New York City | — | 0 | 4 | 6 | 116 | — | 0 | 2 | — | 4 | 27 | 22 | 39 | 1,016 | 960 |
| Pennsylvania | — | 1 | 8 | 81 | 102 | — | 0 | 2 | 11 | 16 | 1 | 7 | 13 | 319 | 248 |
| E.N. Central | — | 10 | 41 | 536 | 562 | — | 1 | 7 | 76 | 75 | 4 | 23 | 45 | 1,051 | 1,165 |
| Illinois | N | 0 | 0 | N | N | N | 0 | 0 | N | N | — | 10 | 18 | 402 | 481 |
| Indiana | — | 3 | 32 | 177 | 189 | — | 0 | 6 | 25 | 23 | — | 2 | 10 | 132 | 124 |
| Michigan | — | 0 | 2 | 24 | 20 | — | 0 | 1 | 3 | 2 | 4 | 3 | 18 | 216 | 185 |
| Ohio | — | 7 | 18 | 335 | 353 | — | 1 | 4 | 48 | 50 | — | 6 | 19 | 269 | 314 |
| Wisconsin | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 1 | 3 | 32 | 61 |
| W.N. Central | — | 2 | 161 | 106 | 192 | — | 0 | 3 | 21 | 38 | — | 6 | 12 | 277 | 377 |
| Iowa | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 2 | 19 | 15 |
| Kansas | — | 0 | 5 | 38 | 74 | — | 0 | 2 | 13 | 6 | — | 0 | 3 | 26 | 26 |
| Minnesota | — | 0 | 156 | — | 26 | — | 0 | 3 | — | 26 | — | 1 | 4 | 67 | 106 |
| Missouri | — | 1 | 5 | 54 | 82 | — | 0 | 1 | 6 | 3 | — | 3 | 8 | 144 | 214 |
| Nebraska§ | — | 0 | 1 | 2 | — | — | 0 | 0 | — | — | — | 0 | 3 | 16 | 15 |
| North Dakota | — | 0 | 3 | 10 | 2 | — | 0 | 0 | — | — | — | 0 | 1 | 4 | — |
| South Dakota | — | 0 | 2 | 2 | 8 | — | 0 | 2 | 2 | 3 | — | 0 | 1 | 1 | 1 |
| S. Atlantic | 12 | 26 | 53 | 1,168 | 1,155 | 7 | 4 | 14 | 196 | 213 | 24 | 64 | 262 | 2,906 | 2,584 |
| Delaware | — | 0 | 2 | 18 | 3 | — | 0 | 2 | 3 | — | — | 0 | 3 | 27 | 15 |
| District of Columbia | N | 0 | 0 | N | N | N | 0 | 0 | N | N | — | 3 | 8 | 159 | 134 |
| Florida | 11 | 15 | 36 | 684 | 647 | 6 | 2 | 13 | 117 | 128 | — | 19 | 32 | 888 | 949 |
| Georgia | 1 | 8 | 25 | 368 | 399 | 1 | 1 | 5 | 68 | 72 | — | 14 | 227 | 685 | 599 |
| Maryland§ | — | 0 | 1 | 4 | 5 | — | 0 | 0 | — | 1 | — | 6 | 16 | 257 | 303 |
| North Carolina | N | 0 | 0 | N | N | N | 0 | 0 | N | N | 13 | 9 | 31 | 501 | 256 |
| South Carolina§ | — | 0 | 0 | — | — | — | 0 | 0 | — | — | 1 | 2 | 6 | 105 | 86 |
| Virginia§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N | 10 | 7 | 15 | 280 | 230 |
| West Virginia | — | 1 | 13 | 94 | 101 | — | 0 | 2 | 8 | 12 | — | 0 | 2 | 4 | 12 |
| E.S. Central | — | 4 | 25 | 225 | 290 | — | 0 | 3 | 32 | 56 | 4 | 22 | 36 | 1,005 | 1,017 |
| Alabama§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N | 1 | 8 | 18 | 379 | 407 |
| Kentucky | — | 1 | 5 | 68 | 71 | — | 0 | 2 | 8 | 11 | — | 1 | 10 | 59 | 78 |
| Mississippi | — | 0 | 3 | 4 | 39 | — | 0 | 1 | 3 | 14 | 1 | 4 | 16 | 190 | 154 |
| Tennessee§ | — | 2 | 23 | 153 | 180 | — | 0 | 3 | 21 | 31 | 2 | 8 | 15 | 377 | 378 |
| W.S. Central | — | 1 | 6 | 81 | 85 | — | 0 | 3 | 16 | 12 | 7 | 54 | 79 | 2,357 | 2,117 |
| Arkansas§ | — | 1 | 5 | 49 | 15 | — | 0 | 3 | 11 | 3 | 6 | 5 | 35 | 236 | 157 |
| Louisiana | — | 1 | 5 | 32 | 70 | — | 0 | 1 | 5 | 9 | — | 13 | 41 | 595 | 631 |
| Oklahoma | N | 0 | 0 | N | N | N | 0 | 0 | N | N | 1 | 1 | 5 | 64 | 79 |
| Texas§ | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 31 | 49 | 1,462 | 1,250 |
| Mountain | 1 | 1 | 7 | 87 | 116 | — | 0 | 2 | 18 | 16 | 4 | 8 | 18 | 377 | 546 |
| Arizona | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 3 | 9 | 145 | 285 |
| Colorado | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 1 | 4 | 70 | 124 |
| Idaho§ | N | 0 | 1 | N | N | N | 0 | 1 | N | N | — | 0 | 1 | 3 | 7 |
| Montana§ | — | 0 | 0 | — | 1 | — | 0 | 0 | — | — | — | 0 | 7 | 1 | — |
| Nevada§ | 1 | 0 | 4 | 29 | 52 | — | 0 | 2 | 6 | 6 | 1 | 1 | 10 | 88 | 70 |
| New Mexico§ | — | 0 | 1 | 1 | — | — | 0 | 0 | — | — | 3 | 1 | 5 | 51 | 35 |
| Utah | — | 1 | 5 | 46 | 61 | — | 0 | 2 | 10 | 10 | — | 0 | 2 | 16 | 22 |
| Wyoming§ | — | 0 | 2 | 11 | 2 | — | 0 | 1 | 2 | — | — | 0 | 1 | 3 | 3 |
| Pacific | — | 0 | 1 | 3 | 2 | — | 0 | 1 | 2 | 2 | 2 | 44 | 68 | 2,008 | 2,201 |
| Alaska | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | 1 |
| California | N | 0 | 0 | N | N | N | 0 | 0 | N | N | 2 | 40 | 61 | 1,824 | 1,984 |
| Hawaii | — | 0 | 1 | 3 | 2 | — | 0 | 1 | 2 | 2 | — | 0 | 3 | 27 | 26 |
| Oregon§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N | — | 0 | 4 | 38 | 23 |
| Washington | N | 0 | 0 | N | N | N | 0 | 0 | N | N | — | 2 | 7 | 119 | 167 |
| American Samoa | N | 0 | 0 | N | N | N | 0 | 0 | N | N | — | 0 | 0 | — | — |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 3 | 17 | 195 | 148 |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

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

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

* Incidence data for reporting year 2009 is 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).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending November 28, 2009, and November 22, 2008 (47th week)*

| Reporting area | West Nile virus disease† | | | | | | | | | | | | | | |
|----------------------|--------------------------|-------------------|-------|----------|---------------|--------------|-------------------|----|-------------------|----------|--------------|-------------------|----|----------|----------|
| | Varicella (chickenpox) | | | | Neuroinvasive | | | | Nonneuroinvasive§ | | | | | | |
| | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 |
| | Med | Max | | | | Med | Max | | | | Med | Max | | | |
| United States | 65 | 385 | 1,035 | 15,330 | 26,536 | — | 0 | 43 | 337 | 687 | — | 0 | 45 | 299 | 667 |
| New England | — | 7 | 45 | 299 | 1,552 | — | 0 | 0 | — | 7 | — | 0 | 0 | — | 3 |
| Connecticut | — | 0 | 18 | — | 792 | — | 0 | 0 | — | 5 | — | 0 | 0 | — | 3 |
| Maine¶ | — | 0 | 12 | 69 | 245 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Massachusetts | — | 0 | 2 | 2 | — | — | 0 | 0 | — | 1 | — | 0 | 0 | — | — |
| New Hampshire | — | 4 | 11 | 181 | 235 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Rhode Island¶ | — | 0 | 1 | 4 | — | — | 0 | 0 | — | 1 | — | 0 | 0 | — | — |
| Vermont¶ | — | 0 | 16 | 43 | 280 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Mid. Atlantic | 7 | 34 | 57 | 1,407 | 2,173 | — | 0 | 2 | 7 | 49 | — | 0 | 1 | 1 | 20 |
| New Jersey | N | 0 | 0 | N | N | — | 0 | 1 | 2 | 5 | — | 0 | 0 | — | 4 |
| New York (Upstate) | N | 0 | 0 | N | N | — | 0 | 1 | 3 | 24 | — | 0 | 1 | 1 | 7 |
| New York City | — | 0 | 0 | — | — | — | 0 | 1 | 2 | 8 | — | 0 | 0 | — | 7 |
| Pennsylvania | 7 | 34 | 57 | 1,407 | 2,173 | — | 0 | 0 | — | 12 | — | 0 | 0 | — | 2 |
| E.N. Central | 9 | 139 | 254 | 5,632 | 6,878 | — | 0 | 3 | 7 | 44 | — | 0 | 3 | 4 | 20 |
| Illinois | — | 32 | 73 | 1,385 | 1,276 | — | 0 | 2 | 4 | 12 | — | 0 | 0 | — | 8 |
| Indiana | — | 5 | 30 | 348 | — | — | 0 | 1 | 2 | 3 | — | 0 | 1 | 2 | 1 |
| Michigan | 7 | 41 | 87 | 1,689 | 2,739 | — | 0 | 0 | — | 11 | — | 0 | 0 | — | 6 |
| Ohio | — | 38 | 88 | 1,766 | 2,093 | — | 0 | 0 | — | 14 | — | 0 | 2 | 2 | 1 |
| Wisconsin | 2 | 9 | 55 | 444 | 770 | — | 0 | 1 | 1 | 4 | — | 0 | 0 | — | 4 |
| W.N. Central | 30 | 15 | 114 | 805 | 1,152 | — | 0 | 5 | 25 | 51 | — | 0 | 11 | 70 | 134 |
| Iowa | N | 0 | 0 | N | N | — | 0 | 0 | — | 3 | — | 0 | 1 | 5 | 3 |
| Kansas | — | 3 | 19 | 183 | 423 | — | 0 | 1 | 4 | 14 | — | 0 | 2 | 6 | 17 |
| Minnesota | — | 0 | 0 | — | — | — | 0 | 1 | 1 | 2 | — | 0 | 1 | 3 | 8 |
| Missouri | 4 | 8 | 51 | 522 | 678 | — | 0 | 2 | 3 | 12 | — | 0 | 0 | — | 3 |
| Nebraska¶ | N | 0 | 0 | N | N | — | 0 | 2 | 11 | 7 | — | 0 | 6 | 40 | 40 |
| North Dakota | 26 | 0 | 108 | 83 | — | — | 0 | 0 | — | 2 | — | 0 | 1 | 1 | 35 |
| South Dakota | — | 0 | 2 | 17 | 51 | — | 0 | 3 | 6 | 11 | — | 0 | 2 | 15 | 28 |
| S. Atlantic | 15 | 36 | 146 | 1,753 | 4,282 | — | 0 | 3 | 9 | 20 | — | 0 | 1 | 3 | 20 |
| Delaware | — | 0 | 2 | 12 | 44 | — | 0 | 0 | — | — | — | 0 | 0 | — | 1 |
| District of Columbia | — | 0 | 3 | 12 | 21 | — | 0 | 0 | — | 4 | — | 0 | 0 | — | 4 |
| Florida | 13 | 22 | 67 | 1,080 | 1,485 | — | 0 | 1 | 2 | 3 | — | 0 | 1 | 1 | — |
| Georgia | N | 0 | 0 | N | N | — | 0 | 1 | 4 | 4 | — | 0 | 0 | — | 4 |
| Maryland¶ | N | 0 | 0 | N | N | — | 0 | 0 | — | 6 | — | 0 | 1 | 2 | 8 |
| North Carolina | N | 0 | 0 | N | N | — | 0 | 0 | — | 2 | — | 0 | 0 | — | 1 |
| South Carolina¶ | — | 0 | 54 | 154 | 797 | — | 0 | 2 | 3 | — | — | 0 | 0 | — | 1 |
| Virginia¶ | — | 0 | 119 | 28 | 1,307 | — | 0 | 0 | — | — | — | 0 | 0 | — | 1 |
| West Virginia | 2 | 9 | 32 | 467 | 628 | — | 0 | 0 | — | 1 | — | 0 | 0 | — | — |
| E.S. Central | — | 6 | 26 | 377 | 1,073 | — | 0 | 6 | 35 | 48 | — | 0 | 4 | 25 | 57 |
| Alabama¶ | — | 6 | 26 | 372 | 1,060 | — | 0 | 0 | — | 11 | — | 0 | 0 | — | 7 |
| Kentucky | N | 0 | 0 | N | N | — | 0 | 1 | 3 | 3 | — | 0 | 0 | — | — |
| Mississippi | — | 0 | 2 | 5 | 13 | — | 0 | 5 | 29 | 22 | — | 0 | 4 | 21 | 43 |
| Tennessee¶ | N | 0 | 0 | N | N | — | 0 | 1 | 3 | 12 | — | 0 | 1 | 4 | 7 |
| W.S. Central | — | 82 | 747 | 3,822 | 7,343 | — | 0 | 16 | 99 | 69 | — | 0 | 6 | 29 | 62 |
| Arkansas¶ | — | 1 | 30 | 115 | 683 | — | 0 | 1 | 4 | 7 | — | 0 | 0 | — | 2 |
| Louisiana | — | 1 | 7 | 76 | 69 | — | 0 | 2 | 7 | 18 | — | 0 | 4 | 6 | 31 |
| Oklahoma | N | 0 | 0 | N | N | — | 0 | 2 | 6 | 4 | — | 0 | 2 | 2 | 5 |
| Texas¶ | — | 76 | 721 | 3,631 | 6,591 | — | 0 | 13 | 82 | 40 | — | 0 | 4 | 21 | 24 |
| Mountain | 4 | 23 | 71 | 1,147 | 1,957 | — | 0 | 10 | 72 | 103 | — | 0 | 16 | 106 | 184 |
| Arizona | — | 0 | 0 | — | — | — | 0 | 4 | 12 | 62 | — | 0 | 2 | 6 | 52 |
| Colorado | 4 | 10 | 33 | 476 | 796 | — | 0 | 7 | 35 | 17 | — | 0 | 14 | 66 | 54 |
| Idaho¶ | N | 0 | 0 | N | N | — | 0 | 3 | 6 | 4 | — | 0 | 5 | 16 | 35 |
| Montana¶ | — | 0 | 20 | 105 | 282 | — | 0 | 1 | 2 | — | — | 0 | 1 | 3 | 5 |
| Nevada¶ | N | 0 | 0 | N | N | — | 0 | 2 | 7 | 9 | — | 0 | 1 | 5 | 7 |
| New Mexico¶ | — | 0 | 20 | 134 | 206 | — | 0 | 2 | 6 | 5 | — | 0 | 1 | 2 | 3 |
| Utah | — | 9 | 32 | 432 | 663 | — | 0 | 0 | — | 6 | — | 0 | 0 | — | 20 |
| Wyoming¶ | — | 0 | 1 | — | 10 | — | 0 | 1 | 4 | — | — | 0 | 2 | 8 | 8 |
| Pacific | — | 2 | 7 | 88 | 126 | — | 0 | 12 | 83 | 296 | — | 0 | 11 | 61 | 167 |
| Alaska | — | 1 | 6 | 53 | 65 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| California | — | 0 | 0 | — | — | — | 0 | 7 | 57 | 291 | — | 0 | 6 | 44 | 153 |
| Hawaii | — | 1 | 4 | 35 | 61 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Oregon¶ | N | 0 | 0 | N | N | — | 0 | 1 | 1 | 3 | — | 0 | 3 | 6 | 13 |
| Washington | N | 0 | 0 | N | N | — | 0 | 6 | 25 | 2 | — | 0 | 3 | 11 | 1 |
| American Samoa | N | 0 | 0 | N | N | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 1 | 1 | — | 62 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | — | 6 | 26 | 404 | 542 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | — |

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

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

* Incidence data for reporting year 2009 is provisional. Data for HIV/AIDS, AIDS, and TB, when available, are displayed in Table IV, which appears quarterly.

† 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 reportable in all states. Data from states where the condition is not reportable are excluded from this table, except starting 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.S. cities,* week ending November 28, 2009 (47th week)

| Reporting area | All causes, by age (years) | | | | | | | Reporting area | All causes, by age (years) | | | | | | |
|----------------------|----------------------------|-------|-------|-------|------|----|------------|----------------------|----------------------------|--------------|--------------|------------|------------|------------|------------|
| | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | P&I† Total | | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | P&I† Total |
| New England | 415 | 279 | 92 | 32 | 3 | 9 | 38 | S. Atlantic | 837 | 525 | 233 | 48 | 17 | 14 | 60 |
| Boston, MA | 114 | 60 | 30 | 17 | 1 | 6 | 12 | Atlanta, GA | 145 | 103 | 33 | 8 | — | 1 | 9 |
| Bridgeport, CT | 31 | 25 | 5 | — | — | 1 | 5 | Baltimore, MD | 108 | 58 | 31 | 11 | 6 | 2 | 10 |
| Cambridge, MA | 13 | 10 | 2 | 1 | — | — | 1 | Charlotte, NC | 62 | 38 | 20 | 2 | 2 | — | 2 |
| Fall River, MA | 26 | 20 | 5 | 1 | — | — | 2 | Jacksonville, FL | 102 | 66 | 31 | 2 | 1 | 2 | 11 |
| Hartford, CT | 24 | 18 | 5 | 1 | — | — | 4 | Miami, FL | 85 | 54 | 24 | 6 | — | 1 | 7 |
| Lowell, MA | 24 | 20 | — | 3 | — | 1 | 1 | Norfolk, VA | 42 | 24 | 13 | 5 | — | — | 2 |
| Lynn, MA | 10 | 7 | 2 | — | 1 | — | — | Richmond, VA | 60 | 30 | 26 | 3 | 1 | — | 4 |
| New Bedford, MA | 16 | 11 | 5 | — | — | — | 2 | Savannah, GA | 33 | 24 | 6 | 1 | 1 | 1 | 1 |
| New Haven, CT | 18 | 11 | 4 | 2 | 1 | — | 2 | St. Petersburg, FL | 30 | 19 | 7 | 2 | 1 | 1 | 4 |
| Providence, RI | 32 | 28 | 2 | 2 | — | — | 2 | Tampa, FL | 122 | 79 | 31 | 7 | 3 | 2 | 9 |
| Somerville, MA | — | — | — | — | — | — | — | Washington, D.C. | 40 | 26 | 7 | 1 | 2 | 4 | 1 |
| Springfield, MA | 36 | 20 | 13 | 2 | — | 1 | 2 | Wilmington, DE | 8 | 4 | 4 | — | — | — | — |
| Waterbury, CT | 22 | 15 | 6 | 1 | — | — | — | E.S. Central | 535 | 356 | 135 | 21 | 15 | 8 | 44 |
| Worcester, MA | 49 | 34 | 13 | 2 | — | — | 5 | Birmingham, AL | 101 | 63 | 33 | 2 | 2 | 1 | 13 |
| Mid. Atlantic | 1,786 | 1,199 | 423 | 110 | 25 | 29 | 84 | Chattanooga, TN | 51 | 29 | 12 | 6 | 3 | 1 | 1 |
| Albany, NY | 56 | 35 | 15 | 4 | 1 | 1 | 2 | Knoxville, TN | 61 | 46 | 12 | 2 | 1 | — | 7 |
| Allentown, PA | 26 | 17 | 4 | 3 | — | 2 | 2 | Lexington, KY | 39 | 23 | 13 | 1 | 1 | 1 | 2 |
| Buffalo, NY | 90 | 62 | 21 | 5 | 1 | 1 | 7 | Memphis, TN | 82 | 54 | 17 | 4 | 4 | 3 | 9 |
| Camden, NJ | 38 | 23 | 13 | 2 | — | — | — | Mobile, AL | 82 | 60 | 18 | 2 | 1 | 1 | 6 |
| Elizabeth, NJ | 9 | 6 | 2 | 1 | — | — | — | Montgomery, AL | 20 | 15 | 3 | 2 | — | — | 2 |
| Erie, PA | 28 | 21 | 4 | 2 | 1 | — | 2 | Nashville, TN | 99 | 66 | 27 | 2 | 3 | 1 | 4 |
| Jersey City, NJ | 50 | 31 | 15 | 2 | 2 | — | 4 | W.S. Central | 898 | 546 | 240 | 66 | 26 | 20 | 57 |
| New York City, NY | 1,066 | 737 | 239 | 59 | 15 | 16 | 43 | Austin, TX | 67 | 39 | 18 | 5 | 3 | 2 | 7 |
| Newark, NJ | 37 | 16 | 14 | 3 | 2 | 2 | 3 | Baton Rouge, LA | 85 | 61 | 15 | 4 | 5 | — | — |
| Paterson, NJ | 4 | 1 | 3 | — | — | — | — | Corpus Christi, TX | 30 | 17 | 8 | 4 | 1 | — | 4 |
| Philadelphia, PA | 130 | 63 | 42 | 18 | 2 | 5 | 5 | Dallas, TX | 108 | 64 | 23 | 12 | 4 | 5 | 5 |
| Pittsburgh, PA§ | 28 | 19 | 7 | 2 | — | — | 2 | El Paso, TX | 49 | 38 | 1 | 5 | 4 | 1 | 2 |
| Reading, PA | 27 | 22 | 4 | 1 | — | — | 1 | Fort Worth, TX | U | U | U | U | U | U | U |
| Rochester, NY | 55 | 33 | 16 | 4 | 1 | 1 | 1 | Houston, TX | 262 | 139 | 97 | 15 | 6 | 5 | 18 |
| Schenectady, NY | 22 | 19 | 3 | — | — | — | 3 | Little Rock, AR | 42 | 18 | 21 | 1 | — | 2 | 2 |
| Scranton, PA | 14 | 10 | 4 | — | — | — | 3 | New Orleans, LA | U | U | U | U | U | U | U |
| Syracuse, NY | 53 | 45 | 6 | 2 | — | — | 5 | San Antonio, TX | 150 | 103 | 34 | 10 | 1 | 2 | 8 |
| Trenton, NJ | 18 | 11 | 6 | — | — | 1 | — | Shreveport, LA | 42 | 23 | 12 | 4 | 1 | 2 | 6 |
| Utica, NY | 17 | 14 | 1 | 2 | — | — | — | Tulsa, OK | 63 | 44 | 11 | 6 | 1 | 1 | 5 |
| Yonkers, NY | 18 | 14 | 4 | — | — | — | 1 | Mountain | 958 | 654 | 217 | 54 | 16 | 16 | 63 |
| E.N. Central | 1,345 | 882 | 336 | 63 | 37 | 27 | 98 | Albuquerque, NM | 83 | 46 | 22 | 13 | 1 | 1 | 9 |
| Akron, OH | 32 | 20 | 9 | 3 | — | — | 3 | Boise, ID | 54 | 38 | 14 | 2 | — | — | 2 |
| Canton, OH | 32 | 24 | 7 | 1 | — | — | 1 | Colorado Springs, CO | 79 | 51 | 23 | 3 | — | 2 | 7 |
| Chicago, IL | U | U | U | U | U | U | U | Denver, CO | 98 | 61 | 25 | 6 | 4 | 2 | 3 |
| Cincinnati, OH | 59 | 27 | 20 | 5 | 3 | 4 | 4 | Las Vegas, NV | 272 | 192 | 63 | 9 | 4 | 4 | 20 |
| Cleveland, OH | 207 | 150 | 49 | 4 | 2 | 2 | 21 | Ogden, UT | 13 | 10 | 1 | 1 | 1 | — | — |
| Columbus, OH | 135 | 92 | 23 | 10 | 6 | 4 | 6 | Phoenix, AZ | 118 | 82 | 26 | 6 | 1 | 2 | 6 |
| Dayton, OH | 76 | 53 | 14 | 3 | 4 | 2 | 8 | Pueblo, CO | 24 | 13 | 7 | 4 | — | — | 3 |
| Detroit, MI | 128 | 70 | 39 | 9 | 5 | 5 | 6 | Salt Lake City, UT | 70 | 48 | 16 | 2 | 2 | 2 | 8 |
| Evansville, IN | 46 | 32 | 14 | — | — | — | 4 | Tucson, AZ | 147 | 113 | 20 | 8 | 3 | 3 | 5 |
| Fort Wayne, IN | 67 | 40 | 18 | 6 | 2 | 1 | 3 | Pacific | 1,217 | 840 | 288 | 46 | 24 | 19 | 127 |
| Gary, IN | 10 | 8 | 2 | — | — | — | — | Berkeley, CA | 1 | 1 | — | — | — | — | — |
| Grand Rapids, MI | 40 | 24 | 16 | — | — | — | 3 | Fresno, CA | 93 | 61 | 24 | 4 | 3 | 1 | 14 |
| Indianapolis, IN | 183 | 116 | 47 | 7 | 8 | 5 | 9 | Glendale, CA | 23 | 20 | 3 | — | — | — | 3 |
| Lansing, MI | 51 | 36 | 10 | 2 | 3 | — | 6 | Honolulu, HI | 47 | 33 | 12 | 1 | 1 | — | 6 |
| Milwaukee, WI | 54 | 32 | 18 | 3 | 1 | — | 5 | Long Beach, CA | 44 | 31 | 9 | 1 | 2 | 1 | 3 |
| Peoria, IL | 37 | 25 | 10 | 2 | — | — | 6 | Los Angeles, CA | 196 | 133 | 44 | 11 | 4 | 4 | 32 |
| Rockford, IL | 43 | 28 | 9 | 4 | — | 2 | 1 | Pasadena, CA | 17 | 12 | 4 | — | — | 1 | 2 |
| South Bend, IN | 36 | 28 | 7 | — | 1 | — | — | Portland, OR | 98 | 70 | 20 | 4 | 4 | — | 7 |
| Toledo, OH | 75 | 50 | 19 | 3 | 2 | 1 | 9 | Sacramento, CA | 131 | 95 | 29 | 3 | 3 | 1 | 9 |
| Youngstown, OH | 34 | 27 | 5 | 1 | — | 1 | 3 | San Diego, CA | 93 | 65 | 25 | 1 | — | 2 | 3 |
| W.N. Central | 360 | 224 | 92 | 30 | 8 | 6 | 29 | San Francisco, CA | 86 | 63 | 16 | 5 | — | 2 | 11 |
| Des Moines, IA | — | — | — | — | — | — | — | San Jose, CA | 165 | 115 | 38 | 4 | 4 | 4 | 20 |
| Duluth, MN | 26 | 14 | 6 | 5 | 1 | — | 4 | Santa Cruz, CA | 24 | 13 | 8 | 3 | — | — | 1 |
| Kansas City, KS | 18 | 9 | 6 | 2 | 1 | — | — | Seattle, WA | 49 | 25 | 18 | 4 | — | 2 | 7 |
| Kansas City, MO | 84 | 56 | 20 | 6 | 1 | 1 | 5 | Spokane, WA | 41 | 31 | 9 | 1 | — | — | 4 |
| Lincoln, NE | 26 | 18 | 4 | 4 | — | — | 2 | Tacoma, WA | 109 | 72 | 29 | 4 | 3 | 1 | 5 |
| Minneapolis, MN | 37 | 21 | 12 | 1 | 1 | 2 | 5 | Total¶ | 8,351 | 5,505 | 2,056 | 470 | 171 | 148 | 600 |
| Omaha, NE | 68 | 43 | 21 | 3 | — | 1 | 7 | | | | | | | | |
| St. Louis, MO | 34 | 18 | 8 | 6 | 1 | 1 | 2 | | | | | | | | |
| St. Paul, MN | 34 | 23 | 7 | 2 | 2 | — | 2 | | | | | | | | |
| Wichita, KS | 33 | 22 | 8 | 1 | 1 | 1 | 2 | | | | | | | | |

U: Unavailable. —: No reported cases.

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

† Pneumonia and influenza.

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

¶ Total includes unknown ages.

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