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# Contraceptive Use Among Postpartum Women — 12 States and New York City, 2004–2006

Postpartum use of highly effective contraceptive methods can prevent unintended pregnancies and ensure adequate birth spacing. Unintended pregnancies and short interpregnancy intervals are associated with adverse maternal and infant outcomes (*1*,*2*). In 2001, the year for which the most recent data are available, 49% of all pregnancies were unintended (*3*), and 21% of women gave birth within 24 months of a previous birth (*4*). Two *Healthy People 2010* goals are to increase the percentage of intended pregnancies to 70% (objective 9-1) and to reduce the percentage of births occurring within 24 months of a previous birth to 6% (objective 9-2) (*5*). To estimate the prevalence and types of contraception being used by women 2–9 months postpartum, CDC analyzed data from the 2004–2006 Pregnancy Risk Assessment Monitoring System (PRAMS) from 12 states and New York City. This report summarizes those results, which indicated that 88.0% of postpartum women reported current use of at least one contraceptive method; 61.7% reported using a method defined as highly effective, 20.0% used a method defined as moderately effective, and 6.4% used less effective methods. Rates of using highly effective contraceptive methods postpartum were lowest among Asian/Pacific Islanders (35.3%), women who had wanted to get pregnant sooner (49.9%), women aged ≥35 years (53.0%), and women who had no prenatal care (54.5%). State policy makers and health-care providers can use these results to promote use of highly effective contraception among postpartum women and target interventions for those with particularly low rates of usage, including women with no prenatal care.

PRAMS began in 1987 as an ongoing, state- and population-based surveillance system designed to monitor maternal behaviors and experiences that occur before, during, and after pregnancy among women who deliver live infants. The system currently is active in 39 reporting areas in the United States. PRAMS uses a mixed mode data-collection methodology; up to three self-administered questionnaires are mailed monthly to a stratified random sample of mothers selected from birth certificates 2–4 months after delivery (median = 3.7 months). Nonresponders receive follow-up telephone interviews. Self-reported survey data are linked to birth certificate data and weighted for sample design, nonresponse, and noncoverage to create annual PRAMS analysis data sets.*

The PRAMS questionnaire in each state includes core questions that appear on all PRAMS surveys, optional standard questions, and questions developed by the state. The 2004–2006 surveys incorporated various topics, including current contraceptive practices. Respondents were asked, "Are you or your husband or partner doing anything now to keep from getting pregnant?" (core question) and "What kind of birth control are you or your husband or partner using now to keep from getting pregnant?" (standard question). Participants who responded "no" to the first question were classified as using no method and were not asked the second question, which included response options for 13 specific contraceptive methods and "other," with instructions to "check all that apply." The standard question about postpartum contraceptive method type was used by 14 reporting areas; however, to minimize bias

* Additional information regarding PRAMS is available at http://www.cdc.gov/prams.

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resulting from nonresponse, this report only includes data from 13 reporting areas that achieved overall weighted response rates of ≥70% for at least 1 year of the study period. Responses from Arkansas, Florida, Louisiana, Michigan, Mississippi, North Carolina, Nebraska, New York, New York City, Oregon, Rhode Island, South Carolina, and West Virginia were assessed for this report. To focus on postpartum women at risk for unintended pregnancy or short interpregnancy interval, responses from women who were currently pregnant (n = 362) or not currently sexually active (n = 3,615) were excluded. Respondents who answered "yes" to the core question and either did not respond to the second question (n = 267) or only responded "other" (n = 310) also were excluded.

Contraceptive methods were categorized by effectiveness based on published effectiveness rates for typical use (*6*). Women reporting use of more than one contraceptive method were classified as using the more effective method based on a hierarchy of effectiveness rates during the first year of typical use (*6*). Contraceptive effectiveness was categorized as highly effective (<10% of women experience an unintended pregnancy; includes sterilization, intrauterine device, shot, pill, patch, and ring), moderately effective (10%–15% failure rate; includes condoms), and less effective (>15% failure rate; includes diaphragm, cervical cap, sponge, rhythm, and withdrawal). Chi-square testing was used to identify statistically significant differences between subcategories of maternal characteristics.

Among 43,887 postpartum women in the sample, 88.0% reported current use of at least one method of contraception during 2004–2006 (Table 1). Women with the lowest rates of using at least one method included those with no prenatal care (76.9%), women who reported that for their most recent pregnancy they wanted to get pregnant sooner (80.1%), Asian/Pacific Islanders (82.8%), and women aged ≥35 years (83.2%) (Table 2). Among all respondents, 61.7% reported using highly effective contraceptive methods, 20.0% relied on moderately effective methods, 6.4% used less effective methods, and 12.0% used no method. Prevalence of using highly effective contraceptive methods varied from 43.2% in New York City to 79.3% in Mississippi (Table 1). Use of highly effective postpartum contraceptive methods also varied by the respondent's age, ranging from 53.0% among women aged ≥35 years to 72.9% among those aged <20 years; and by race, ranging from 35.3% among Asian/Pacific Islanders to 71.3% among black women and 71.5% among American Indian/Alaska Native women (Table 2). Women with Medicaid coverage before pregnancy had a higher rate of using highly effective methods (67.8%) than women without Medicaid (60.6%), and women with no prenatal care had a lower rate of using highly effective methods (54.5%) than women with early (60.5%) or late (66.5%) entry into prenatal care.

**TABLE 1. Percentage of postpartum (2–9 months) contraceptive use among nonpregnant, sexually active women who delivered live infants, by contraceptive effectiveness and state/area — Pregnancy Risk Assessment Monitoring System, 12 states and New York City, 2004–2006**

| State/Area | Sample no.†† | At least one method* % | At least one method* (95% CI§§) | Highly effective*: Any highly effective method† % | Any highly effective method† (95% CI) | Permanent method§ % | Permanent method§ (95% CI) | Reversible method¶ % | Reversible method¶ (95% CI) |
|---|---|---|---|---|---|---|---|---|---|
| Arkansas | 5,885 | 92.0 | (91.0–92.9) | 70.5 | (68.8–72.1) | 20.3 | (19.0–21.7) | 50.2 | (48.4–51.9) |
| Florida | 3,670 | 87.0 | (85.3–88.4) | 60.6 | (58.2–62.8) | 16.6 | (14.9–18.4) | 44.0 | (41.7–46.2) |
| Louisiana | 1,502 | 91.7 | (89.9–93.2) | 72.6 | (69.9–75.0) | 20.3 | (18.0–22.7) | 52.3 | (49.4–55.2) |
| Michigan | 3,430 | 88.5 | (87.2–89.7) | 60.4 | (58.5–62.3) | 15.7 | (14.4–17.2) | 44.7 | (42.8–46.7) |
| Mississippi | 2,210 | 92.3 | (90.7–93.5) | 79.3 | (77.1–81.3) | 21.0 | (19.0–23.2) | 58.3 | (55.7–60.8) |
| Nebraska | 3,213 | 90.8 | (89.5–91.9) | 63.2 | (61.2–65.0) | 12.7 | (11.4–14.1) | 50.5 | (48.4–52.5) |
| New York | 2,528 | 87.1 | (85.4–88.6) | 55.1 | (52.7–57.6) | 13.8 | (12.2–15.6) | 41.3 | (38.9–43.8) |
| New York City | 2,780 | 78.5 | (76.5–80.3) | 43.2 | (40.8–45.4) | 7.2 | (6.1–8.4) | 36.0 | (33.8–38.2) |
| North Carolina | 2,378 | 90.2 | (88.7–91.6) | 71.6 | (69.2–73.7) | 16.2 | (14.4–18.1) | 55.4 | (52.8–57.8) |
| Oregon | 5,101 | 91.8 | (90.5–92.9) | 64.4 | (62.4–66.5) | 13.5 | (12.1–15.1) | 50.9 | (48.8–53.1) |
| Rhode Island | 3,753 | 89.8 | (88.6–90.9) | 63.9 | (62.1–65.7) | 14.0 | (12.8–15.4) | 49.9 | (48.0–51.8) |
| South Carolina | 3,619 | 93.4 | (92.0–94.6) | 73.7 | (71.3–76.9) | 18.0 | (16.0–20.1) | 55.7 | (53.1–58.3) |
| West Virginia | 3,818 | 88.4 | (86.9–89.9) | 67.3 | (65.1–69.4) | 20.9 | (19.0–22.8) | 46.4 | (44.2–48.7) |
| **Total** | **43,887** | **88.0** | **(87.5–88.5)** | **61.7** | **(60.9–62.4)** | **15.3** | **(14.7–15.8)** | **46.4** | **(45.6–47.2)** |

| State/Area | Moderately effective*: Condoms % | Condoms (95% CI) | Less effective*: Other methods** % | Other methods** (95% CI) | No method* % | No method* (95% CI) |
|---|---|---|---|---|---|---|
| Arkansas | 16.6 | (15.3–18.0) | 4.9 | (4.2–5.7) | 8.0 | (7.1–9.0) |
| Florida | 21.1 | (19.3–23.1) | 5.3 | (4.3–6.6) | 13.1 | (11.6–14.7) |
| Louisiana | 15.1 | (13.1–17.2) | 4.1 | (3.1–5.3) | 8.3 | (6.9–10.1) |
| Michigan | 20.7 | (19.2–22.3) | 7.4 | (6.4–8.5) | 11.5 | (10.3–12.8) |
| Mississippi | 10.2 | (8.7–11.8) | 2.8 | (2.1–3.8) | 7.8 | (6.5–9.3) |
| Nebraska | 20.3 | (18.7–21.9) | 7.4 | (6.4–8.5) | 9.2 | (8.1–10.5) |
| New York | 22.8 | (20.8–24.9) | 9.2 | (7.9–10.7) | 12.9 | (11.4–14.6) |
| New York City | 27.0 | (25.0–29.1) | 8.4 | (7.2–9.8) | 21.5 | (19.7–23.5) |
| North Carolina | 13.7 | (12.1–15.5) | 5.0 | (4.0–6.3) | 9.8 | (8.4–11.4) |
| Oregon | 21.6 | (19.9–23.4) | 5.7 | (4.8–6.8) | 8.2 | (7.1–9.5) |
| Rhode Island | 18.5 | (17.0–20.0) | 7.5 | (6.5–8.5) | 10.2 | (9.1–11.4) |
| South Carolina | 15.5 | (13.7–17.6) | 4.2 | (3.3–5.4) | 6.6 | (5.4–8.0) |
| West Virginia | 16.5 | (14.9–18.3) | 4.6 | (3.7–5.6) | 11.6 | (10.3–13.1) |
| **Total** | **20.0** | **(19.4–20.6)** | **6.4** | **(6.0–6.8)** | **12.0** | **(11.5–12.5)** |

* Percentages based on weighted data. Effectiveness determined by percentage of women who experience pregnancy during first year of typical use and categorized as highly effective (<10%), moderately effective (10%–15%), and less effective (>15%). Totals might not equal 100% because of rounding.
† Includes permanent and reversible methods.
§ Includes tubal ligation or vasectomy.
¶ Includes shot, pill, patch, ring, or intrauterine device.
** Includes diaphragm, cervical cap, sponge, rhythm, or withdrawal.
†† Based on unweighted data.
§§ Confidence interval.

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**Editorial Note:** Despite availability and use of contraceptives, the overall unintended pregnancy rate in the United States has remained stable (*3*) and is one of the highest among industrialized nations (51 per 1,000 women annually) (*2,3,5*). In addition, the percentage of births occurring within 24 months of a previous birth increased from 11% in 1995 (*5*) to 21% in 2002 (*4*) (the most recent data available), moving away from the *Healthy People 2010* target of 6% (*5*). Increased use of highly effective postpartum contraception is an important strategy to both prevent unintended pregnancy in the postpartum period and prevent short interpregnancy intervals (*7*).

This is the first population-based report to examine the prevalence of contraceptive use among postpartum women by contraceptive method effectiveness. The finding that 88% of postpartum women reported current use of some form of contraception is consistent with previous estimates of 78%–90% (*7–10*). Rates of using at least one method were generally uniform across reporting areas and maternal characteristics, although women with no prenatal care had the lowest rate at

**TABLE 2. Percentage of postpartum (2–9 months) contraceptive use among nonpregnant, sexually active women who delivered live infants, by contraceptive effectiveness and selected characteristics — Pregnancy Risk Assessment Monitoring System, 12 states and New York City, 2004–2006**

| | | | | | Highly effective* | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sample† | | At least one method* | | Any highly effective method§ | | Permanent method¶ | | Reversible method** | |
| Characteristic | No. | %* | % | (95% CI§§) | % | (95% CI) | % | (95% CI) | % | (95% CI) |
| **Maternal age (yrs)** | | | | | | | | | | |
| <20 | 5,828 | 9.8 | 90.1 | (88.6–91.4) | 72.9 | (70.8–74.9) | 1.1 | (0.6–1.8) | 71.8 | (69.7–73.9) |
| 20–24 | 11,566 | 25.3 | 89.1 | (88.1–90.1) | 68.7 | (67.2–70.1) | 9.8 | (8.9–10.7) | 58.9 | (57.4–60.4) |
| 25–29 | 11,623 | 27.4 | 88.8 | (87.8–89.7) | 60.5 | (59.0–62.0) | 15.3 | (14.3–16.4) | 45.1 | (43.7–46.6) |
| 30–34 | 9,310 | 23.5 | 88.0 | (86.9–89.1) | 56.1 | (54.4–57.7) | 19.2 | (17.9–20.5) | 36.9 | (35.3–38.5) |
| ≥35 | 5,557 | 14.1 | 83.2 | (81.5–84.7) | 53.0 | (50.9–55.2) | 28.4 | (26.5–30.4) | 24.6 | (22.8–26.5) |
| **Race** | | | | | | | | | | |
| Black | 9,732 | 18.6 | 89.8 | (88.7–90.8) | 71.3 | (69.7–72.7) | 16.7 | (15.5–17.9) | 54.6 | (53.0-56.2) |
| White | 29,530 | 73.4 | 87.8 | (87.1–88.4) | 60.4 | (59.4–61.3) | 15.3 | (14.6–16.0) | 45.1 | (44.2–46.0) |
| American Indian/Alaska Native | 1,104 | 0.5 | 87.4 | (79.6–92.5) | 71.5 | (63.0–78.7) | 27.1 | (19.9–35.8) | 44.4 | (36.3–53.0) |
| Asian/Pacific Islander | 2,046 | 3.3 | 82.8 | (79.2–85.8) | 35.3 | (31.3–39.5) | 7.8 | (5.7–10.7) | 27.5 | (23.9–31.3) |
| Other††† | 1,413 | 4.2 | 88.9 | (86.3–91.2) | 62.6 | (58.8–66.2) | 13.5 | (11.0–16.4) | 49.1 | (45.2–53.0) |
| **Hispanic** | | | | | | | | | | |
| Yes | 5,806 | 16.8 | 89.1 | (87.7–90.4) | 61.0 | (58.9–63.1) | 12.7 | (11.3–14.2) | 48.3 | (46.2–50.4) |
| No | 37,366 | 83.2 | 87.8 | (87.2–88.4) | 61.8 | (61.0–62.7) | 15.8 | (15.2–16.4) | 46.0 | (45.2–46.9) |
| **Maternal education (yrs)** | | | | | | | | | | |
| <12 | 8,911 | 19.2 | 86.5 | (85.1–87.7) | 66.2 | (64.4–68.0) | 13.7 | (12.4–15.0) | 52.6 | (50.7–54.4) |
| 12 | 13,823 | 30.3 | 87.4 | (86.4–88.4) | 66.1 | (64.7–67.4) | 17.7 | (16.6–18.8) | 48.4 | (47.0–49.8) |
| >12 | 20,768 | 50.5 | 89.1 | (88.4–89.7) | 57.5 | (56.4–58.6) | 14.4 | (13.7–15.2) | 43.1 | (42.0–44.1) |
| **Marital status** | | | | | | | | | | |
| Married | 26,189 | 62.7 | 86.7 | (86.0–87.4) | 56.1 | (55.1–57.1) | 16.7 | (16.0–17.5) | 39.4 | (38.4–40.4) |
| Other | 17,668 | 37.3 | 90.3 | (89.5–91.1) | 71.0 | (69.8–72.2) | 12.8 | (12.0–13.7) | 58.2 | (56.9–59.5) |
| **Parity** | | | | | | | | | | |
| 0 | 19,135 | 41.2 | 87.2 | (86.4–88.0) | 58.5 | (57.3–59.7) | 1.5 | (1.2–1.8) | 57.0 | (55.8–58.2) |
| 1–2 | 20,205 | 48.8 | 89.1 | (88.4–89.8) | 63.5 | (62.4–64.6) | 22.3 | (21.4–23.2) | 41.3 | (40.2–42.4) |
| >2 | 4,351 | 10.0 | 86.4 | (84.5–88.0) | 66.0 | (63.6–68.4) | 38.1 | (35.7–40.5) | 27.9 | (25.8–30.2) |
| **Prepregnancy insurance coverage** | | | | | | | | | | |
| Yes | 23,872 | 58.4 | 87.7 | (86.9–88.3) | 57.8 | (56.8–58.8) | 14.9 | (14.2–15.7) | 42.9 | (41.9–43.9) |
| No | 19,895 | 41.6 | 88.6 | (87.8–89.4) | 67.2 | (66.0–68.3) | 15.8 | (15.0–16.7) | 51.4 | (50.2–52.6) |
| **Prepregnancy Medicaid coverage** | | | | | | | | | | |
| Yes | 7,804 | 15.7 | 85.3 | (83.8–86.7) | 67.8 | (65.9–69.6) | 16.3 | (14.9–17.8) | 51.5 | (49.5–53.4) |
| No | 35,944 | 84.3 | 88.6 | (88.0–89.10) | 60.6 | (59.7–61.4) | 15.1 | (14.5–15.7) | 45.5 | (44.6–46.3) |
| **Pregnancy intendedness†††** | | | | | | | | | | |
| Wanted sooner | 7,321 | 16.4 | 80.1 | (78.5–81.6) | 49.9 | (47.9–51.8) | 11.7 | (10.5–13.0) | 38.2 | (36.3–40.1) |
| Wanted as occurred | 16,874 | 41.7 | 87.2 | (86.3–88.0) | 57.1 | (55.9–58.3) | 12.9 | (12.1–13.7) | 44.2 | (43.0–45.4) |
| Wanted later | 14,287 | 31.8 | 91.8 | (91.0–92.6) | 69.4 | (68.1–70.7) | 13.5 | (12.6–14.5) | 55.9 | (54.5–57.3) |
| Never wanted | 4,779 | 10.0 | 93.2 | (91.9–94.3) | 75.9 | (73.7–77.9) | 36.3 | (34.0–38.7) | 39.6 | (37.2–41.9) |
| **Prenatal care entry** | | | | | | | | | | |
| Early (first trimester) | 33,597 | 78.7 | 88.4 | (87.8–88.9) | 60.5 | (59.7–61.4) | 15.1 | (14.4–15.7) | 45.5 | (44.6–46.4) |
| Late (second or third trimester) | 8,837 | 20.5 | 87.6 | (86.4–88.8) | 66.5 | (64.8–68.2) | 16.5 | (15.2–17.8) | 50.0 | (48.3–51.8) |
| No prenatal care | 506 | 0.8 | 76.9 | (68.5–83.6) | 54.5 | (46.1–62.7) | 7.6 | (4.3–13.0) | 46.9 | (38.7–55.4) |

See Table 2 footnotes on next page.

**TABLE 2. (*Continued*) Percentage of postpartum (2–9 months) contraceptive use among nonpregnant, sexually active women who delivered live infants, by contraceptive effectiveness and selected characteristics — Pregnancy Risk Assessment Monitoring System, 12 states and New York City, 2004–2006**

| | Moderately effective* | | Less effective* | | | |
|---|---|---|---|---|---|---|
| | Condoms | | Other methods†† | | No method* | |
| Characteristic | % | (95% CI) | % | (95% CI) | % | (95% CI) |
| **Maternal age (yrs)** | | | | | | |
| <20 | 15.0 | (13.4–16.7) | 2.3 | (1.7–3.1) | 9.9 | (8.6–11.4) |
| 20–24 | 16.8 | (15.7–18.0) | 3.7 | (3.1–4.3) | 10.9 | (9.9–11.9) |
| 25–29 | 20.8 | (19.5–22.0) | 7.6 | (6.8–8.4) | 11.2 | (10.3–12.2) |
| 30–34 | 23.3 | (22.0–24.8) | 8.6 | (7.8–9.6) | 12.0 | (10.9–13.1) |
| ≥35 | 22.1 | (20.4–24.0) | 8.0 | (6.9–9.2) | 16.8 | (15.3–18.5) |
| **Race** | | | | | | |
| Black | 15.2 | (14.1-16.4) | 3.3 | (2.8-4.0) | 10.2 | (9.3-11.3) |
| White | 20.4 | (19.6–21.1) | 7.1 | (6.6–7.6) | 12.2 | (11.6–12.9) |
| American Indian/Alaska Native | 13.5 | (8.8–20.1) | 2.4¶¶ | (0.9–6.3) | 12.6 | (7.5–20.4) |
| Asian/Pacific Islander | 36.4 | (32.3–40.5) | 11.1 | (8.7–14.1) | 17.2 | (14.2–20.8) |
| Other*** | 22.0 | (19.0-25.4) | 4.4 | (3.1–6.2) | 11.1 | (8.9–13.7) |
| **Hispanic** | | | | | | |
| Yes | 22.6 | (20.9–24.4) | 5.5 | (4.6–6.6) | 10.9 | (9.6–12.3) |
| No | 19.4 | (18.8–20.1) | 6.6 | (6.1–7.0) | 12.2 | (11.6–12.8) |
| **Maternal education (yrs)** | | | | | | |
| <12 | 16.6 | (15.3–18.1) | 3.6 | (2.9–4.5) | 13.5 | (12.3–14.9) |
| 12 | 16.7 | (15.6–17.8) | 4.7 | (4.1–5.3) | 12.6 | (11.7–13.6) |
| >12 | 23.1 | (22.2–24.1) | 8.5 | (7.9–9.1) | 10.9 | (10.3–11.7) |
| **Marital status** | | | | | | |
| Married | 22.7 | (21.9–23.6) | 7.9 | (7.3–8.4) | 13.3 | (12.7–14.0) |
| Other | 15.4 | (14.5–16.4) | 3.9 | (3.4–4.5) | 9.7 | (8.9–10.5) |
| **Parity** | | | | | | |
| 0 | 22.5 | (21.5–23.5) | 6.3 | (5.7–6.9) | 12.8 | (12.0–13.6) |
| 1–2 | 19.0 | (18.2–19.9) | 6.6 | (6.0–7.2) | 10.9 | (10.2–11.6) |
| >2 | 14.5 | (12.7–16.4) | 5.9 | (4.7–7.3) | 13.7 | (12.0–15.5) |
| **Prepregnancy insurance coverage** | | | | | | |
| Yes | 22.2 | (21.4–23.1) | 7.7 | (7.1–8.2) | 12.4 | (11.7–13.1) |
| No | 16.9 | (16.0–17.9) | 4.6 | (4.0–5.1) | 11.4 | (10.6–12.2) |
| **Prepregnancy Medicaid coverage** | | | | | | |
| Yes | 14.0 | (12.8–15.4) | 3.5 | (2.8–4.3) | 14.7 | (13.4–16.2) |
| No | 21.1 | (20.4–21.8) | 6.9 | (6.5–7.4) | 11.4 | (10.9–12.0) |
| **Pregnancy intendedness†††** | | | | | | |
| Wanted sooner | 21.8 | (20.2–23.4) | 8.5 | (7.4–9.6) | 19.9 | (18.4–21.6) |
| Wanted as occurred | 22.3 | (21.3–23.4) | 7.8 | (7.1–8.5) | 12.8 | (12.0–13.7) |
| Wanted later | 18.2 | (17.2–19.3) | 4.2 | (3.7–4.8) | 8.2 | (7.4–9.0) |
| Never wanted | 13.5 | (11.9–15.3) | 3.8 | (2.9–5.0) | 6.8 | (5.7–8.0) |
| **Prenatal care entry** | | | | | | |
| Early (first trimester) | 20.9 | (20.2–21.7) | 6.9 | (6.4–7.4) | 11.7 | (11.1–12.3) |
| Late (second or third trimester) | 16.5 | (15.2–17.8) | 4.7 | (3.9–5.5) | 12.4 | (11.2–13.6) |
| No prenatal care | 19.0 | (13.7–25.7) | —§§§ | —§§§ | 23.1 | (16.4–31.5) |

* Percentages based on weighted data. Effectiveness determined by percentage of women who experience pregnancy during first year of typical use and categorized as highly effective (<10%), moderately effective (10%–15%), and less effective (>15%). Totals might not equal 100% because of rounding.
† Based on unweighted data, N = 43,887; subcategories might not equal sample total because of missing data on maternal characteristics.
§ Includes permanent and reversible methods.
¶ Includes tubal ligation or vasectomy.
** Includes shot, pill, patch, ring, or intrauterine device.
†† Includes diaphragm, cervical cap, sponge, rhythm, or withdrawal.
§§ Confidence interval.
¶¶ <60 respondents; might not be reliable.
*** Excludes data from Louisiana and Mississippi, which reported no respondents in this category.
††† Pregnancy intention of recent pregnancy that ended in a live birth.
§§§ Not reported (<30 respondents).

76.4%. However, the findings indicate substantial variation in use of highly effective contraceptive methods by reporting area and maternal characteristics. For example, some subgroups with the lowest rates of highly effective contraceptive method use included Asian/Pacific Islanders (35.3%), women who reported that their most recent pregnancy was wanted sooner (49.9%), women aged ≥35 years (53.0%), and women who had no prenatal care (54.5%). Additional analyses and research are needed to determine reasons for the variations found in the use of highly effective methods by reporting area and maternal characteristics.

These findings point to possible missed opportunities for promoting healthy birth spacing and reducing unintended pregnancies. Women who do not receive prenatal care, for example, might benefit from more consultation about postpartum contraceptive options. This population likely does not routinely access preventive health-care services. Therefore, for these women the period after delivery and before hospital discharge might constitute an especially opportune time for health-care providers to promote the use of effective contraception postpartum and adequate birth spacing.

Although use of condoms for protection against sexually transmitted diseases was not a focus of the study, 13% of the women reported use of condoms along with a highly effective method. All women not using condoms should be counseled regarding the use of condoms for the prevention of sexually transmitted diseases, including human immunodeficiency virus infection.[†]

The findings in this report are subject to at least four limitations. First, although population based, these findings are not nationally representative and are generalizable only to mothers with recent live births in the 13 reporting areas. Second, because PRAMS data are self-reported, prevalence rates of desirable behaviors might be overestimated and those for undesirable behaviors might be underestimated. Third, the survey did not ascertain use of some additional contraceptive methods, such as spermicides, emergency contraception, and lactational amenorrhea. Finally, because of the survey skip pattern, information was not obtained about contraceptive methods used by women who might have incorrectly reported they were not doing anything currently to keep from getting pregnant. If this occurred, particularly among respondents who had a tubal ligation or whose partners had a vasectomy, the use of highly effective contraceptive methods might have been underestimated.

Knowing the characteristics associated with low rates of effective contraceptive use during the postpartum period will better enable health-care providers to target interventions. Health-care providers should consider encouraging postpartum women to use highly effective contraceptive methods to increase the proportion of pregnancies that are intended and promote healthy birth spacing.

[†] Additional information on sexually transmitted disease prevention and treatment available at http://www.cdc.gov/std/treatment.


### Acknowledgments

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## Evaluation of Rapid Influenza Diagnostic Tests for Detection of Novel Influenza A (H1N1) Virus — United States, 2009

The recent appearance and worldwide spread of novel influenza A (H1N1) virus (*1,2*) has highlighted the need to evaluate commercially available, widely used, rapid influenza diagnostic tests (RIDTs) for their ability to detect these viral antigens in

respiratory clinical specimens. As an initial assessment, CDC conducted an evaluation of multiple RIDTs. Sixty-five clinical respiratory specimens collected during April–May 2009* that had previously tested positive either for novel influenza A (H1N1) or for seasonal influenza A (H1N1) or A (H3N2) viruses by real-time reverse transcription–polymerase chain reaction (rRT-PCR) assay were used in the evaluation. The results showed that, although the RIDTs were capable of detecting novel A (H1N1) virus from respiratory specimens containing high levels of virus (as indicated by low cycle threshold [Ct] values), the overall sensitivity was low (40%–69%) among all specimens tested and declined substantially as virus levels decreased (and Ct values increased). These findings indicate that, although a positive RIDT result can be used in making treatment decisions, a negative result does not rule out infection with novel influenza A (H1N1) virus. Patients with illnesses compatible with novel influenza A (H1N1) virus infection but with negative RIDT results should be treated empirically based on the level of clinical suspicion, underlying medical conditions, severity of illness, and risk for complications. If a more definitive determination of infection with influenza virus is required, testing with rRT-PCR or virus isolation should be performed. Additional evaluations of the accuracy of RIDTs in detecting novel influenza A (H1N1) virus should be conducted.

Original clinical materials (e.g., specimens from nasopharyngeal swabs and oropharyngeal swabs) collected from patients with confirmed novel influenza A (H1N1) or seasonal influenza A (H1N1) or (H3N2) virus infection and provided largely by state health laboratories were used in the study. The presence of novel or seasonal influenza A virus was confirmed by rRT-PCR assay developed by CDC and approved as a Section 501(k) device by the Food and Drug Administration. Detailed data regarding sensitivity (99.3%) and specificity (92.3%) for the seasonal influenza A CDC rRT-PCR assay compared with viral culture are available.† The original clinical specimens were tested using RIDTs from three companies: Inverness Medical BinaxNOW Influenza A&B (Binax, Inc., Scarborough, Maine); Becton Dickinson Directigen EZ Flu A+B (Becton, Dickinson and Company, Sparks, Maryland); and Quidel QuickVue Influenza A+B (Quidel Corporation, San Diego, California). RIDTs from four other companies were tested with limited numbers of specimens; those results are not presented in this report.

Each clinical specimen was characterized by the Ct value demonstrated in the universal influenza type A rRT-PCR assay with the M gene used as the target.§ The numbers of specimens positive using each of the three RIDTs were determined within four intervals of Ct values: <20, 20 to <25, 25–30, and >30.¶ Ct values are indicators of the amount of virus in a specimen, with lower values indicating higher viral titers (i.e., greater amounts of viral material in the specimen). Sensitivity of each rapid test was determined as the percentage of RIDT-positive specimens among the number of specimens that tested positive by rRT-PCR.

A total of 65 original clinical specimens were tested. Forty-five of the specimens were positive for novel influenza A (H1N1) virus, five were positive for seasonal influenza A (H1N1), and 15 were positive for seasonal influenza A (H3N2), all by CDC rRT-PCR assay.

For the nine specimens with high viral titers (Ct values <20), one RIDT had nine positive results, and the other two had eight positives, demonstrating 89%–100% sensitivity in detecting novel influenza A (H1N1) virus when compared with rRT-PCR. However, among the 36 specimens with Ct values ≥20 that had tested positive for novel influenza A (H1N1) by rRT-PCR, the sensitivity of the three RIDT tests declined substantially (Table 1). Overall, for the 45 specimens that had tested positive for novel influenza A (H1N1) by rRT-PCR, the sensitivity of the three RIDT tests was 40% for BinaxNOW Influenza A&B, 49% for Directigen EZ Flu A+B,** and 69% for QuickVue Influenza A+B.

Sensitivity of the RIDTs was generally greater for seasonal influenza A (H1N1) and (H3N2) than for novel influenza A (H1N1), although the number of specimens tested was small, especially for seasonal influenza A (H1N1). None of the specimens had a Ct value <20. Compared with rRT-PCR, the three tests demonstrated sensitivity ranging from 60% to 80% for seasonal A (H1N1) and from 80% to 83% for seasonal A (H3N2) (Table 1).

To evaluate approximate viral titers in clinical specimens positive for novel influenza A (H1N1) virus, serial 10-fold dilutions (from $10^{-1}$ through $10^{-5}$) of the virus isolate A/California/4/2009, an early representative strain of novel H1N1, was prepared. This virus was grown in Madin-Darby canine kidney (MDCK) cells and had a titer of $10^{7.5}$ 50% tissue culture infectious dose ($TCID_{50}$/mL). Each virus dilution was tested in duplicate using the three RIDTs. Only specimens that tested positive for both test runs were considered positive. Limits of detection were measured as Ct values for

* One H3N2 specimen was collected in March.

† Additional information available at http://www.accessdata.fda.gov/cdrh_docs/pdf8/k080570.pdf.

§ CDC protocol of rRT-PCR testing for influenza A (H1N1) virus is available at http://www.who.int/csr/resources/publications/swineflu/realtimeptpcr/en/index.html.

¶ A Ct value of 37 or lower is considered a positive rRT-PCR result.

** Only 43 of the 45 specimens positive for novel influenza A (H1N1) by rRT-PCR were tested using this RIDT.

**TABLE 1. Comparison of the number of positive influenza A test results from three RIDTs* with the number of positive results from rRT-PCR† assay, by influenza A type and cycle threshold (Ct) interval — United States, 2009**

| RIDT | Influenza A virus type | No. of specimens positive by RIDT/ No. positive by rRT-PCR: Ct interval§ (<20) | (20 to <25) | (25–30) | (>30) | Total no. of specimens positive by RIDT/ Total no. positive by rRT-PCR | (%) |
|---|---|---|---|---|---|---|---|
| BinaxNOW Influenza A&B | Novel H1N1 | 8/9 | 7/17 | 2/13 | 1/6 | 18/45 | (40) |
| | Seasonal H1N1 | —¶ | 2/3 | 1/2 | — | 3/5 | (60) |
| | Seasonal H3N2 | — | 10/10 | 2/4 | 0/1 | 12/15 | (80) |
| Directigen EZ Flu A+B | Novel H1N1 | 8/9 | 10/16 | 2/12 | 1/6 | 21/43** | (49) |
| | Seasonal H1N1 | — | 2/2 | 1/2 | — | 3/4** | (75) |
| | Seasonal H3N2 | — | 8/8 | 2/3 | 0/1 | 10/12** | (83) |
| QuickVue A+B | Novel H1N1 | 9/9 | 13/17 | 6/13 | 3/6 | 31/45 | (69) |
| | Seasonal H1N1 | — | 2/3 | 2/2 | — | 4/5 | (80) |
| | Seasonal H3N2 | — | 10/10 | 2/4 | 0/1 | 12/15 | (80) |

* Rapid influenza A diagnostic tests.
† Real-time reverse transcription–polymerase chain reaction.
§ A Ct value of 37 or lower is considered a positive rRT-PCR result.
¶ No data available.
** For this RIDT, insufficient material was available to test two specimens that were rRT-PCR positive for novel H1N1, one for seasonal H1N1, and three for seasonal H3N2

the three RIDTs. The limit of detection of MDCK-grown A/California/4/2009 was the same for QuickVue A+B and Directigen EZ Flu A+B, but BinaxNOW Influenza A&B was 10-fold higher ($10^{-2}$ versus $10^{-3}$) (Table 2).

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**Editorial Note:** The sensitivity of RIDTs to detect seasonal influenza viruses compared with virus isolation or rRT-PCR varies among commercial kits and has been shown to be low in some reports (*3–5*). In this evaluation, the sensitivity of three RIDTs to detect novel influenza A (H1N1) viral antigen in clinical specimens ranged from 40% to 69% and declined substantially with lower viral titers (as determined by Ct values). These findings are compatible with other recent studies, which reported that the sensitivity of some RIDTs to detect novel influenza A (H1N1) in clinical specimens ranged from 10% to 51% (*6,7*). Overall, the findings in this report demonstrate that these RIDTs are capable of detecting novel influenza A (H1N1) in respiratory specimens, but that many infections will be missed, especially in specimens with low viral titers.

RIDTs do not distinguish among influenza A virus subtypes, and RIDT sensitivity might vary by subtype of influenza A (*4,6,8*). Therefore, when using a positive RIDT result to help determine the appropriate course of clinical treatment or other action, the result should always be interpreted in the context of currently circulating strains. Conversely, as indicated by the results of this and other studies, a negative RIDT result should not be interpreted as indicating the absence of infection. In this analysis, the sensitivity of all three assays evaluated declined as the viral titer in the specimen decreased. The amount of virus found in respiratory specimens can be affected by timing of the specimen collection; viral titers are highest in the first 3 days of illness. Other factors that can affect the amount of virus in the specimen include age (e.g., children generally shed more virus and for longer periods than adults), type of specimen collected, and transportation and storage of the specimen before testing. Testing with rRT-PCR or virus isolation should be performed if a more definitive determination of the presence of influenza virus is required. In the titered cultured virus results presented in this report, all three RIDTs detected the cultured novel H1N1 influenza A/California/4/2009 virus with a lower limit of detection between $10^{4.5}$ and $10^{5.5}$ $TCID_{50}$, slightly higher $TCID_{50}$ levels than for detection of seasonal influenza viruses. These findings are consistent with the analytical sensitivities of RIDTs to detect novel influenza A (H1N1) virus described in one report (*9*), but higher than those described in another report (*10*).

The findings in this report are subject to at least three limitations. First, relatively few clinical specimens were tested for each RIDT across the range of Ct values, limiting the ability to compare results between different RIDTs, particularly for seasonal influenza A (H1N1). Second, clinical specimens were not tested immediately after collection but were stored and shipped to CDC under varying conditions. The clinical materials used in this evaluation were prepared and shipped in different (often unknown) transport media that might not be optimal for some of the RIDTs. Finally, the data used to estimate virus load in clinical materials obtained by comparing with different dilutions of influenza A/California/4/2009

**TABLE 2. Limits of detection of Madin-Darby canine kidney (MDCK)–grown influenza A/California/4/2009 (H1N1) for three rapid influenza diagnostic tests (RIDTs), by selected measurement values — United States, 2009**

| RIDT | Values | | |
|---|---|---|---|
| | Lowest dilution with positive result | $TCID_{50}$/mL* | Ct† |
| BinaxNOW Influenza A&B | $10^{-2}$ | $10^{5.5}$ | 22.15 |
| Directigen EZ Flu A+B | $10^{-3}$ | $10^{4.5}$ | 26.05 |
| QuickVue A+B | $10^{-3}$ | $10^{4.5}$ | 26.05 |

* $TCID_{50}$ = 50% tissue culture infectious dose.
† Ct (cycle threshold) values reported as an average of three reactions each of duplicate dilution series.

grown in MDCK cells should be viewed with caution, because Ct limit of detection values for cultured viruses can vary with the virus strain, its passage history, and the substrate used for propagation (e.g., MDCK cells or chicken embryos). Optimizing specimen collection, transportation, and testing practices to ensure that specimens have the highest amount of virus possible would be expected to increase the likelihood of detecting influenza virus, when present, using RIDTs and other diagnostic tests.

The results described in this report should be viewed as preliminary. More data are needed on the clinical performance of all RIDTs to detect novel influenza A (H1N1) virus in different respiratory specimens. Because of the limitations of RIDTs and until additional data are available, all results from RIDTs, both positive and negative, when used for clinical decision-making in a patient with suspected novel influenza A (H1N1) virus infection, should be interpreted in the context of circulating influenza virus strains in the patient's community, level of clinical suspicion, severity of illness, and risk for complications. Additional CDC guidance on interpretation of RIDTs for testing of patients with suspected novel influenza A (H1N1) virus infection is available at http://www.cdc.gov/h1n1flu/guidance/rapid_testing.htm.

### Acknowledgments

This report is based, in part, on contributions from national and international laboratories participating in the Global Influenza Surveillance Network.

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## Updated Recommendations of the Advisory Committee on Immunization Practices (ACIP) Regarding Routine Poliovirus Vaccination

This report updates Advisory Committee on Immunization Practices (ACIP) recommendations for routine poliovirus vaccination. These updates aim to 1) emphasize the importance of the booster dose at age ≥4 years, 2) extend the minimum interval from dose 3 to dose 4 from 4 weeks to 6 months, 3) add a precaution for the use of minimum intervals in the first 6 months of life, and 4) clarify the poliovirus vaccination schedule when specific combination vaccines are used.

On June 17, 1999, ACIP recommended that all poliovirus vaccine administered in the United States be an inactivated poliovirus vaccine (IPV) beginning January 1, 2000. This policy was implemented to eliminate the risk for vaccine-associated paralytic poliomyelitis, a rare condition that has been associated with use of the live oral poliovirus vaccine (OPV). Since 1999, no OPV has been distributed in the United States. Under these ACIP recommendations, the routine IPV vaccination schedule in the United States consists of 4 doses administered at ages 2 months, 4 months, 6–18 months, and 4–6 years with the minimum interval between all IPV doses as 4 weeks (*1,2*).

Since the ACIP recommendation was made 10 years ago, three different combination vaccines containing IPV have been licensed for routine use in the United States (Table). Because of potential confusion in using different vaccine products for routine and catch-up immunization, ACIP recommends the following:

**TABLE. Currently licensed vaccines containing inactivated poliovirus vaccine (IPV) — United States, 2009***

| Vaccine composition | Trade name | Manufacturer | Approved use in ACIP† routine schedule | Comments |
|---|---|---|---|---|
| IPV | Ipol (Poliovax§) | Sanofi Pasteur | 2, 4, 6–18 mos, and 4–6 yrs | Approved for use in infants, children, and adults¶ |
| DTaP-HepB-IPV** | Pediarix | GlaxoSmithKline | 2, 4, and 6 mos | Approved for first 3 doses of IPV through age 6 yrs†† |
| DTaP-IPV/Hib§§ | Pentacel | Sanofi Pasteur | 2, 4, 6, and 15–18 mos | Approved for 4 doses of IPV through age 4 yrs¶¶ |
| DTaP-IPV*** | Kinrix | GlaxoSmithKline | 4–6 yrs | Approved for booster dose at age 4–6 yrs††† |

* As of August 5, 2009.
† Advisory Committee on Immunization Practices. Full schedule available at http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5751a5.htm.
§ Not currently distributed in the United States.
¶ Package insert available at http://www.fda.gov/downloads/biologicsbloodvaccines/vaccines/approvedproducts/ucm133479.pdf.
** Diphtheria and tetanus toxoids and acellular pertussis adsorbed, hepatitis B (recombinant), and inactivated poliovirus vaccine combined.
†† Package insert available at http://www.fda.gov/downloads/biologicsbloodvaccines/vaccines/approvedproducts/ucm168055.pdf.
§§ Diphtheria and tetanus toxoids and acellular pertussis adsorbed, inactivated poliovirus, and *Haemophilus* b conjugate (tetanus toxoid conjugate) vaccine.
¶¶ Package insert available at http://www.fda.gov/downloads/biologicsbloodvaccines/vaccines/approvedproducts/ucm109810.pdf.
*** Diphtheria and tetanus toxoids and acellular pertussis adsorbed, and inactivated poliovirus vaccine.
††† Package insert available at http://www.fda.gov/downloads/biologicsbloodvaccines/vaccines/approvedproducts/ucm107220.pdf.

- The 4-dose IPV series should continue to be administered at ages 2 months, 4 months, 6–18 months, and 4–6 years.
- The final dose in the IPV series should be administered at age ≥4 years regardless of the number of previous doses.
- The minimum interval from dose 3 to dose 4 is extended from 4 weeks to 6 months.
- The minimum interval from dose 1 to dose 2, and from dose 2 to dose 3, remains 4 weeks.
- The minimum age for dose 1 remains age 6 weeks.

ACIP also is making a new recommendation concerning the use of minimum age and minimum intervals for children in the first 6 months of life. Use of the minimum age and minimum intervals for vaccine administration in the first 6 months of life are recommended only if the vaccine recipient is at risk for imminent exposure to circulating poliovirus (e.g., during an outbreak or because of travel to a polio-endemic region). ACIP is making this precaution because shorter intervals and earlier start dates lead to lower seroconversion rates (*3*–*5*).

In addition, ACIP is clarifying the poliovirus vaccination schedule to be used for specific combination vaccines. When DTaP-IPV/Hib* (Pentacel) is used to provide 4 doses at ages 2, 4, 6, and 15–18 months, an additional booster dose of age-appropriate IPV-containing vaccine (IPV [Ipol] or DTaP-IPV† [Kinrix]) should be administered at age 4–6 years. This will result in a 5-dose IPV vaccine series, which is considered acceptable by ACIP. DTaP-IPV/Hib is not indicated for the booster dose at age 4–6 years. ACIP recommends that the minimum interval from dose 4 to dose 5 should be at least 6 months to provide an optimum booster response. In accordance with existing recommendations, if a child misses an IPV dose at age 4–6 years, the child should receive a booster dose as soon as feasible (*2*).

* Diphtheria and tetanus toxoids and acellular pertussis adsorbed, inactivated poliovirus, and *Haemophilus* b conjugate (tetanus toxoid conjugate) vaccine.
† Diphtheria and tetanus toxoids and acellular pertussis adsorbed, and inactivated poliovirus vaccine.

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*Notice to Readers*

## Publication of *HIV Testing Algorithms: a Status Report*

In the past 20 years, advances in human immunodeficiency virus (HIV) diagnostics have resulted in approval by the Food and Drug Administration of 1) rapid tests for screening at the point of contact, 2) immunoassays that are more sensitive earlier during seroconversion, and 3) HIV-1 RNA assays for the diagnosis of acute infection and for confirmation of reactive antibody tests. As a result of these developments, CDC and the Association of Public Health Laboratories (APHL) convened a panel of HIV diagnostic subject matter experts to examine alternatives to the two-test HIV confirmatory algorithm that has been recommended for use in the United States since 1989 (*1*). That panel's efforts culminated in publication of *HIV Testing Algorithms: a Status Report*, which describes

proposed alternative combinations of tests that might be used for diagnosing HIV infection.

The status report does not contain formal guidelines or recommendations but reviews the supporting evidence and limitations regarding the proposed algorithms, and the additional data needed to substantiate each of them. The report is intended to solicit performance data from laboratories to validate the proposed algorithms and feedback regarding operational parameters associated with the algorithms.

The report is available online at http://www.aphl.org/hiv/statusreport and http://hivtestingconference.org. Inquiries, comments, and descriptions of pertinent performance data should be directed to APHL via e-mail at hiv.algorithm@aphl.org.

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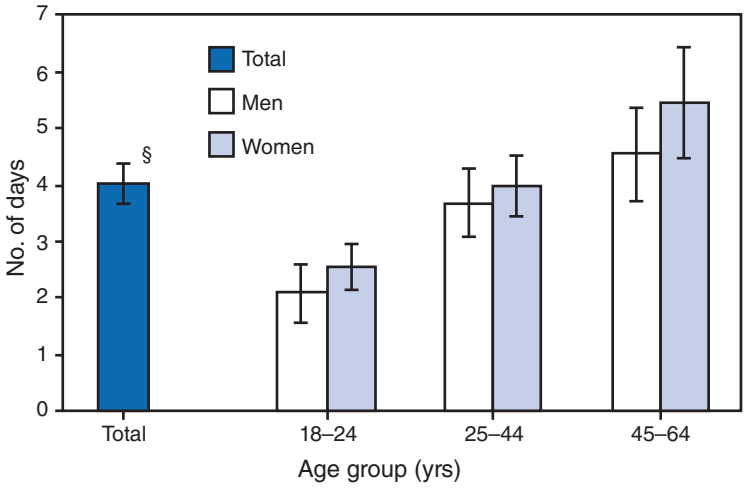
# QuickStats

FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

## Average Number of Work-Loss Days During the Preceding 12 Months Among Persons Aged 18–64 Years,* by Age Group and Sex — National Health Interview Survey, United States, 2007†




* Based on responses to the question, "In the past 12 months…about how many days did you miss work at a job or business because of illness or injury (do not include maternity leave)?" Only respondents who had worked in the past week were asked this question.

† Estimates are based on household interviews of a sample of the civilian, noninstitutionalized U.S. population and are derived from the National Health Interview Survey sample adult component.

§ 95% confidence interval.

In 2007, U.S. adults who had worked in the past week missed 4.0 days of work on average during the 12 months preceding the interview. Work-loss days increased with age for both men and women. Men aged 18–24 years missed 2.1 days of work, aged 25–44 years missed 3.7 days, and aged 45–64 years missed 4.5 days. Women aged 18–24 years missed 2.6 days of work, aged 25–44 years missed 4.0 days, and aged 45–64 years missed 5.5 days.

**SOURCES:** National Health Interview Survey 2007 data. Available at http://www.cdc.gov/nchs/nhis.htm. Pleis JR, Lucas JW. Summary health statistics for U.S. adults: National Health Interview Survey, 2007. Vital Health Stat 2009;10(240). Available at http://www.cdc.gov/nchs/data/series/sr_10/sr10_240.pdf.

**TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending August 1, 2009 (30th week)***

| Disease | Current week | Cum 2009 | 5-year weekly average† | Total cases reported for previous years 2008 | 2007 | 2006 | 2005 | 2004 | States reporting cases during current week (No.) |
|---|---|---|---|---|---|---|---|---|---|
| Anthrax | — | — | — | — | 1 | 1 | — | — | |
| Botulism: | | | | | | | | | |
| foodborne | — | 10 | 0 | 17 | 32 | 20 | 19 | 16 | |
| infant | — | 29 | 2 | 109 | 85 | 97 | 85 | 87 | |
| other (wound and unspecified) | — | 13 | 1 | 19 | 27 | 48 | 31 | 30 | |
| Brucellosis | — | 53 | 2 | 80 | 131 | 121 | 120 | 114 | |
| Chancroid | — | 22 | 1 | 25 | 23 | 33 | 17 | 30 | |
| Cholera | — | 2 | 0 | 5 | 7 | 9 | 8 | 6 | |
| Cyclosporiasis§ | 2 | 69 | 6 | 139 | 93 | 137 | 543 | 160 | NY (1), FL (1) |
| Diphtheria | — | — | — | — | — | — | — | — | |
| Domestic arboviral diseases§,¶: | | | | | | | | | |
| California serogroup | — | 2 | 4 | 62 | 55 | 67 | 80 | 112 | |
| eastern equine | — | — | 0 | 4 | 4 | 8 | 21 | 6 | |
| Powassan | — | — | 0 | 2 | 7 | 1 | 1 | 1 | |
| St. Louis | — | 4 | 0 | 13 | 9 | 10 | 13 | 12 | |
| western equine | — | — | — | — | — | — | — | — | |
| Ehrlichiosis/Anaplasmosis§,**: | | | | | | | | | |
| *Ehrlichia chaffeensis* | 9 | 317 | 28 | 1,137 | 828 | 578 | 506 | 338 | NY (1), OH (1), MO (2), NC (2), GA (1), TN (1), AR (1) |
| *Ehrlichia ewingii* | — | — | 0 | 9 | — | — | — | — | |
| *Anaplasma phagocytophilum* | 6 | 227 | 30 | 1,026 | 834 | 646 | 786 | 537 | NY (3), WI (2), FL (1) |
| undetermined | 2 | 69 | 8 | 180 | 337 | 231 | 112 | 59 | WI (1), TN (1) |
| *Haemophilus influenzae,*†† | | | | | | | | | |
| invasive disease (age <5 yrs): | | | | | | | | | |
| serotype b | — | 13 | 0 | 30 | 22 | 29 | 9 | 19 | |
| nonserotype b | — | 124 | 3 | 244 | 199 | 175 | 135 | 135 | |
| unknown serotype | 2 | 137 | 3 | 163 | 180 | 179 | 217 | 177 | NY (1), FL (1) |
| Hansen disease§ | — | 34 | 1 | 80 | 101 | 66 | 87 | 105 | |
| Hantavirus pulmonary syndrome§ | — | 6 | 1 | 18 | 32 | 40 | 26 | 24 | |
| Hemolytic uremic syndrome, postdiarrheal§ | 4 | 103 | 7 | 330 | 292 | 288 | 221 | 200 | NY (2), TN (2) |
| Hepatitis C viral, acute | 6 | 952 | 16 | 878 | 845 | 766 | 652 | 720 | PA (2), MI (2), FL (1), TN (1) |
| HIV infection, pediatric (age <13 years)§§ | — | — | 3 | — | — | — | 380 | 436 | |
| Influenza-associated pediatric mortality§,¶¶ | 1 | 99 | 0 | 90 | 77 | 43 | 45 | — | NYC (1) |
| Listeriosis | 12 | 329 | 21 | 759 | 808 | 884 | 896 | 753 | PA (2), OH (1), MI (1), WV (1), FL (1), TX (3), CA (3) |
| Measles*** | 3 | 46 | 1 | 140 | 43 | 55 | 66 | 37 | TN (1), CA (2) |
| Meningococcal disease, invasive†††: | | | | | | | | | |
| A, C, Y, and W-135 | 1 | 167 | 4 | 330 | 325 | 318 | 297 | — | TX (1) |
| serogroup B | — | 95 | 3 | 188 | 167 | 193 | 156 | — | |
| other serogroup | 1 | 16 | 1 | 38 | 35 | 32 | 27 | — | WV (1) |
| unknown serogroup | 6 | 293 | 9 | 616 | 550 | 651 | 765 | — | PA (1), OH (1), FL (2), TX (1), CA (1) |
| Mumps | 1 | 189 | 14 | 454 | 800 | 6,584 | 314 | 258 | PA (1) |
| Novel influenza A virus infections | — | §§§ | — | 2 | 4 | N | N | N | |
| Plague | — | 4 | 0 | 2 | 7 | 17 | 8 | 3 | |
| Poliomyelitis, paralytic | — | — | — | — | — | — | 1 | — | |
| Polio virus infection, nonparalytic§ | — | — | — | — | — | N | N | N | |
| Psittacosis§ | — | 7 | 0 | 8 | 12 | 21 | 16 | 12 | |
| Q fever total§,¶¶¶: | — | 46 | 3 | 124 | 171 | 169 | 136 | 70 | |
| acute | — | 41 | 1 | 110 | — | — | — | — | |
| chronic | — | 5 | 0 | 14 | — | — | — | — | |
| Rabies, human | — | 1 | 0 | 2 | 1 | 3 | 2 | 7 | |
| Rubella**** | — | 2 | 0 | 16 | 12 | 11 | 11 | 10 | |
| Rubella, congenital syndrome | — | 1 | — | — | — | 1 | 1 | — | |
| SARS-CoV§,†††† | — | — | — | — | — | — | — | — | |
| Smallpox§ | — | — | — | — | — | — | — | — | |
| Streptococcal toxic-shock syndrome§ | 1 | 92 | 2 | 157 | 132 | 125 | 129 | 132 | CT (1) |
| Syphilis, congenital (age <1 yr) | — | 101 | 8 | 434 | 430 | 349 | 329 | 353 | |
| Tetanus | — | 6 | 0 | 19 | 28 | 41 | 27 | 34 | |
| Toxic-shock syndrome (staphylococcal)§ | — | 48 | 2 | 71 | 92 | 101 | 90 | 95 | |
| Trichinellosis | — | 11 | 0 | 39 | 5 | 15 | 16 | 5 | |
| Tularemia | 1 | 33 | 5 | 123 | 137 | 95 | 154 | 134 | AR (1) |
| Typhoid fever | 7 | 190 | 8 | 449 | 434 | 353 | 324 | 322 | OH (1), MN (1), MD (1), FL (1), TX (1), CA (2) |
| Vancomycin-intermediate *Staphylococcus aureus*§ | — | 40 | 0 | 63 | 37 | 6 | 2 | — | |
| Vancomycin-resistant *Staphylococcus aureus*§ | — | — | — | — | 2 | 1 | 3 | 1 | |
| Vibriosis (noncholera *Vibrio* species infections)§ | 12 | 182 | 11 | 492 | 549 | N | N | N | MD (1), NC (1), FL (1), AZ (1), WA (2), CA (5), HI (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 August 1, 2009 (30th week)***

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

* Incidence data for reporting year 2008 and 2009 are provisional, whereas data for 2004, 2005, 2006, and 2007 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. Ninety-eight influenza-associated pediatric deaths occurring during the 2008–09 influenza season have been reported.

*** Of the three measles cases reported for the current week, two were indigenous, and one was imported.

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

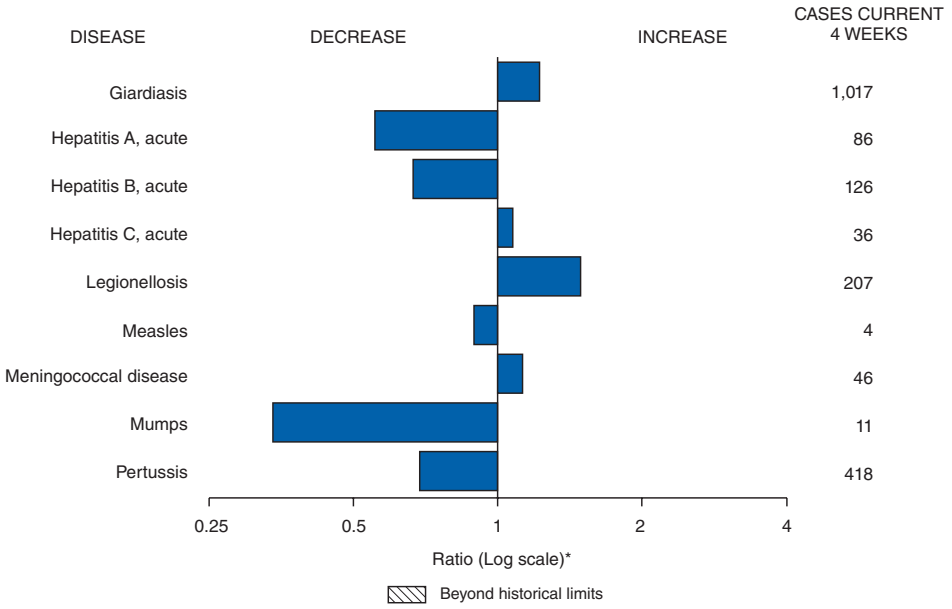
§§§ CDC discontinued reporting of individual confirmed and probable cases of novel influenza A (H1N1) viruses infections on July 24, 2009. CDC will report the total number of novel influenza A (H1N1) hospitalizations and deaths weekly on the CDC H1N1 influenza website (http://www.cdc.gov/h1n1flu).

¶¶¶ 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 August 1, 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
Willie J. Anderson
Jose Aponte
Lenee Blanton
Rosaline Dhara
Michael S. Wodajo
Pearl C. Sharp

**TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending August 1, 2009, and July 26, 2008 (30th week)***

| Reporting area | Chlamydia† | | | | | Coccidiodomycosis | | | | | Cryptosporidiosis | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 weeks | | Cum 2009 | Cum 2008 | Current week | Previous 52 week | | Cum 2009 | Cum 2008 |
| | | Med | Max | | | | Med | Max | | | | Med | Max | | |
| **United States** | 11,145 | 22,842 | 25,700 | 629,265 | 673,280 | 284 | 149 | 474 | 5,932 | 3,816 | 101 | 124 | 482 | 3,133 | 2,797 |
| **New England** | 747 | 751 | 1,655 | 22,776 | 20,856 | — | 0 | 1 | 1 | 1 | 1 | 5 | 23 | 130 | 201 |
| Connecticut | 203 | 228 | 1,306 | 6,740 | 5,854 | N | 0 | 0 | N | N | — | 0 | 16 | 16 | 41 |
| Maine§ | 31 | 49 | 72 | 1,416 | 1,410 | N | 0 | 0 | N | N | — | 0 | 6 | 14 | 14 |
| Massachusetts | 489 | 323 | 946 | 11,202 | 10,146 | N | 0 | 0 | N | N | — | 1 | 13 | 35 | 72 |
| New Hampshire | 3 | 32 | 63 | 814 | 1,151 | — | 0 | 1 | 1 | 1 | — | 1 | 4 | 28 | 38 |
| Rhode Island§ | — | 60 | 244 | 1,941 | 1,625 | — | 0 | 0 | — | — | — | 0 | 3 | 4 | 4 |
| Vermont§ | 21 | 21 | 53 | 663 | 670 | N | 0 | 0 | N | N | 1 | 1 | 7 | 33 | 32 |
| **Mid. Atlantic** | 2,081 | 2,887 | 6,734 | 88,063 | 84,433 | — | 0 | 0 | — | — | 15 | 13 | 35 | 363 | 337 |
| New Jersey | — | 429 | 846 | 12,363 | 12,804 | N | 0 | 0 | N | N | — | 0 | 4 | 8 | 19 |
| New York (Upstate) | 533 | 571 | 4,563 | 16,888 | 15,500 | N | 0 | 0 | N | N | 12 | 4 | 17 | 93 | 98 |
| New York City | 1,110 | 1,137 | 3,130 | 34,476 | 32,458 | N | 0 | 0 | N | N | — | 1 | 8 | 39 | 55 |
| Pennsylvania | 438 | 816 | 1,072 | 24,336 | 23,671 | N | 0 | 0 | N | N | 3 | 7 | 17 | 223 | 165 |
| **E.N. Central** | 1,495 | 3,479 | 4,382 | 94,178 | 110,357 | — | 0 | 4 | 22 | 32 | 15 | 31 | 126 | 793 | 741 |
| Illinois | 411 | 1,094 | 1,356 | 29,082 | 33,415 | N | 0 | 0 | N | N | — | 2 | 13 | 69 | 76 |
| Indiana | 273 | 413 | 713 | 12,981 | 12,353 | N | 0 | 0 | N | N | — | 5 | 18 | 182 | 95 |
| Michigan | 589 | 849 | 1,332 | 26,158 | 26,029 | — | 0 | 3 | 11 | 25 | 3 | 5 | 13 | 132 | 128 |
| Ohio | 56 | 782 | 1,300 | 16,100 | 26,206 | — | 0 | 2 | 11 | 7 | 11 | 9 | 59 | 226 | 140 |
| Wisconsin | 166 | 368 | 494 | 9,857 | 12,354 | N | 0 | 0 | N | N | 1 | 8 | 46 | 184 | 302 |
| **W.N. Central** | 321 | 1,324 | 1,551 | 37,125 | 38,011 | — | 0 | 1 | 4 | 1 | 26 | 18 | 68 | 465 | 399 |
| Iowa | 93 | 192 | 256 | 5,491 | 4,972 | N | 0 | 0 | N | N | 6 | 4 | 30 | 107 | 102 |
| Kansas | 20 | 178 | 548 | 5,173 | 5,229 | N | 0 | 0 | N | N | 2 | 1 | 8 | 47 | 30 |
| Minnesota | — | 268 | 338 | 6,881 | 8,245 | — | 0 | 0 | — | — | 11 | 4 | 19 | 133 | 91 |
| Missouri | 89 | 500 | 633 | 14,723 | 13,899 | — | 0 | 1 | 4 | 1 | 5 | 3 | 13 | 73 | 86 |
| Nebraska§ | 65 | 96 | 219 | 2,581 | 3,025 | N | 0 | 0 | N | N | 2 | 2 | 8 | 45 | 57 |
| North Dakota | — | 23 | 60 | 552 | 1,060 | N | 0 | 0 | N | N | — | 0 | 10 | 6 | 2 |
| South Dakota | 54 | 58 | 85 | 1,724 | 1,581 | N | 0 | 0 | N | N | — | 2 | 9 | 54 | 31 |
| **S. Atlantic** | 2,462 | 4,331 | 5,730 | 110,633 | 135,318 | — | 0 | 1 | 5 | 2 | 18 | 21 | 49 | 525 | 443 |
| Delaware | 68 | 81 | 180 | 2,747 | 2,139 | — | 0 | 1 | 1 | — | — | 0 | 1 | 2 | 8 |
| District of Columbia | — | 128 | 227 | 3,849 | 3,991 | — | 0 | 0 | — | — | — | 0 | 2 | — | 9 |
| Florida | 723 | 1,399 | 1,597 | 41,724 | 41,139 | N | 0 | 0 | N | N | 9 | 8 | 35 | 173 | 189 |
| Georgia | — | 755 | 1,909 | 15,914 | 23,570 | N | 0 | 0 | N | N | 5 | 6 | 20 | 212 | 125 |
| Maryland§ | 347 | 436 | 772 | 12,252 | 13,133 | — | 0 | 1 | 4 | 2 | 1 | 1 | 5 | 22 | 17 |
| North Carolina | — | 0 | 1,309 | — | 16,847 | N | 0 | 0 | N | N | 3 | 1 | 16 | 58 | 17 |
| South Carolina§ | 612 | 534 | 1,425 | 14,008 | 15,181 | N | 0 | 0 | N | N | — | 1 | 6 | 23 | 27 |
| Virginia§ | 649 | 616 | 924 | 17,985 | 17,501 | N | 0 | 0 | N | N | — | 1 | 4 | 28 | 38 |
| West Virginia | 63 | 69 | 101 | 2,154 | 1,817 | N | 0 | 0 | N | N | — | 0 | 3 | 7 | 13 |
| **E.S. Central** | 1,083 | 1,712 | 2,180 | 50,826 | 47,249 | — | 0 | 0 | — | — | 3 | 3 | 10 | 95 | 75 |
| Alabama§ | — | 473 | 624 | 12,605 | 14,632 | N | 0 | 0 | N | N | 1 | 1 | 6 | 30 | 31 |
| Kentucky | — | 248 | 458 | 6,825 | 6,481 | N | 0 | 0 | N | N | 1 | 1 | 4 | 26 | 16 |
| Mississippi | 433 | 454 | 841 | 14,026 | 10,930 | N | 0 | 0 | N | N | — | 0 | 2 | 5 | 7 |
| Tennessee§ | 650 | 570 | 809 | 17,370 | 15,206 | N | 0 | 0 | N | N | 1 | 1 | 5 | 34 | 21 |
| **W.S. Central** | 422 | 2,941 | 5,187 | 85,765 | 85,899 | — | 0 | 1 | — | 2 | 8 | 10 | 271 | 178 | 138 |
| Arkansas§ | 268 | 275 | 418 | 8,068 | 8,203 | N | 0 | 0 | N | N | 1 | 1 | 10 | 20 | 18 |
| Louisiana | — | 428 | 1,134 | 12,980 | 12,507 | — | 0 | 1 | — | 2 | — | 1 | 5 | 12 | 26 |
| Oklahoma | 154 | 177 | 2,737 | 8,027 | 7,511 | N | 0 | 0 | N | N | 4 | 2 | 16 | 49 | 23 |
| Texas§ | — | 1,959 | 2,527 | 56,690 | 57,678 | N | 0 | 0 | N | N | 3 | 7 | 258 | 97 | 71 |
| **Mountain** | 1,047 | 1,272 | 2,145 | 33,593 | 42,591 | 213 | 98 | 368 | 4,479 | 2,547 | 6 | 9 | 38 | 242 | 241 |
| Arizona | 53 | 395 | 627 | 7,106 | 14,133 | 213 | 96 | 364 | 4,418 | 2,481 | — | 1 | 9 | 22 | 33 |
| Colorado | 425 | 326 | 729 | 9,244 | 10,240 | N | 0 | 0 | N | N | 3 | 2 | 12 | 69 | 48 |
| Idaho§ | 41 | 67 | 314 | 1,999 | 2,208 | N | 0 | 0 | N | N | 1 | 1 | 7 | 39 | 35 |
| Montana§ | 27 | 56 | 88 | 1,712 | 1,782 | N | 0 | 0 | N | N | — | 0 | 4 | 21 | 30 |
| Nevada§ | 284 | 171 | 366 | 5,596 | 5,675 | — | 1 | 3 | 35 | 33 | 2 | 0 | 4 | 11 | 8 |
| New Mexico§ | 182 | 159 | 540 | 4,278 | 4,341 | — | 0 | 2 | 8 | 22 | — | 2 | 23 | 55 | 53 |
| Utah | 33 | 109 | 251 | 2,490 | 3,408 | — | 0 | 2 | 18 | 9 | — | 0 | 6 | 10 | 21 |
| Wyoming§ | 2 | 34 | 97 | 1,168 | 804 | — | 0 | 1 | — | 2 | — | 0 | 2 | 15 | 13 |
| **Pacific** | 1,487 | 3,666 | 4,763 | 106,306 | 108,566 | 71 | 39 | 172 | 1,421 | 1,231 | 9 | 11 | 19 | 342 | 222 |
| Alaska | — | 116 | 233 | 4,784 | 2,703 | N | 0 | 0 | N | N | — | 0 | 2 | 5 | 2 |
| California | 1,262 | 2,844 | 3,599 | 83,001 | 84,356 | 71 | 39 | 172 | 1,421 | 1,231 | 4 | 6 | 15 | 196 | 124 |
| Hawaii | — | 118 | 247 | 3,323 | 3,332 | N | 0 | 0 | N | N | — | 0 | 1 | 1 | 1 |
| Oregon§ | — | 198 | 631 | 5,219 | 5,868 | N | 0 | 0 | N | N | 1 | 2 | 10 | 97 | 48 |
| Washington | 225 | 377 | 557 | 9,979 | 12,307 | N | 0 | 0 | N | N | 4 | 1 | 7 | 43 | 47 |
| American Samoa | — | 0 | 0 | — | 73 | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 3 | 8 | — | 103 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | 182 | 130 | 333 | 4,505 | 4,090 | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| U.S. Virgin Islands | — | 8 | 17 | 205 | 406 | — | 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 2008 and 2009 are provisional. Data for HIV/AIDS, AIDS, and TB, when available, are displayed in Table IV, which appears quarterly.
† Chlamydia refers to genital infections caused by *Chlamydia trachomatis*.
§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

**TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 1, 2009, and July 26, 2008 (30th 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** | 222 | 318 | 641 | 8,685 | 9,082 | 2,857 | 5,548 | 7,164 | 148,919 | 189,909 | 14 | 53 | 124 | 1,686 | 1,780 |
| **New England** | 2 | 22 | 64 | 554 | 791 | 81 | 97 | 301 | 2,798 | 2,916 | — | 3 | 16 | 96 | 99 |
| Connecticut | — | 6 | 14 | 141 | 180 | 31 | 46 | 275 | 1,290 | 1,305 | — | 0 | 12 | 37 | 22 |
| Maine§ | 2 | 4 | 12 | 103 | 79 | 2 | 2 | 9 | 78 | 52 | — | 0 | 2 | 14 | 8 |
| Massachusetts | — | 9 | 27 | 150 | 337 | 45 | 37 | 112 | 1,158 | 1,273 | — | 1 | 5 | 32 | 48 |
| New Hampshire | — | 3 | 10 | 69 | 73 | 1 | 2 | 6 | 62 | 66 | — | 0 | 2 | 7 | 8 |
| Rhode Island§ | — | 1 | 8 | 32 | 48 | — | 5 | 19 | 184 | 199 | — | 0 | 7 | 3 | 6 |
| Vermont§ | — | 3 | 15 | 59 | 74 | 2 | 1 | 4 | 26 | 21 | — | 0 | 1 | 3 | 7 |
| **Mid. Atlantic** | 38 | 60 | 116 | 1,600 | 1,710 | 428 | 591 | 1,138 | 17,436 | 18,737 | 6 | 11 | 25 | 364 | 328 |
| New Jersey | — | 7 | 21 | 108 | 280 | — | 91 | 127 | 2,541 | 3,103 | — | 2 | 7 | 62 | 54 |
| New York (Upstate) | 21 | 24 | 81 | 664 | 564 | 89 | 104 | 664 | 2,949 | 3,483 | 5 | 3 | 20 | 84 | 92 |
| New York City | 3 | 16 | 30 | 413 | 460 | 231 | 210 | 577 | 6,507 | 5,816 | — | 2 | 11 | 82 | 58 |
| Pennsylvania | 14 | 16 | 46 | 415 | 406 | 108 | 188 | 267 | 5,439 | 6,335 | 1 | 4 | 10 | 136 | 124 |
| **E.N. Central** | 21 | 44 | 90 | 1,166 | 1,372 | 576 | 1,108 | 1,627 | 29,196 | 39,264 | — | 8 | 27 | 251 | 289 |
| Illinois | — | 9 | 32 | 207 | 374 | 171 | 356 | 499 | 8,875 | 11,480 | — | 3 | 9 | 88 | 89 |
| Indiana | N | 0 | 11 | N | N | 106 | 149 | 256 | 4,315 | 5,020 | — | 1 | 22 | 74 | 52 |
| Michigan | 6 | 12 | 22 | 320 | 294 | 221 | 290 | 493 | 8,512 | 9,659 | — | 0 | 3 | 15 | 17 |
| Ohio | 14 | 16 | 31 | 434 | 446 | 22 | 251 | 482 | 4,960 | 9,435 | — | 1 | 6 | 65 | 90 |
| Wisconsin | 1 | 8 | 19 | 205 | 258 | 56 | 94 | 149 | 2,534 | 3,670 | — | 0 | 4 | 9 | 41 |
| **W.N. Central** | 21 | 25 | 143 | 842 | 929 | 94 | 290 | 393 | 7,829 | 9,632 | — | 3 | 15 | 97 | 130 |
| Iowa | 7 | 6 | 18 | 164 | 166 | 10 | 31 | 53 | 906 | 888 | — | 0 | 0 | — | 2 |
| Kansas | — | 3 | 11 | 67 | 70 | 42 | 36 | 83 | 1,149 | 1,267 | — | 0 | 2 | 11 | 15 |
| Minnesota | — | 0 | 106 | 250 | 259 | — | 44 | 67 | 1,110 | 1,850 | — | 0 | 10 | 30 | 37 |
| Missouri | 12 | 7 | 22 | 217 | 255 | 24 | 138 | 184 | 3,715 | 4,585 | — | 1 | 4 | 33 | 50 |
| Nebraska§ | 2 | 3 | 10 | 93 | 108 | 11 | 22 | 51 | 703 | 813 | — | 0 | 4 | 18 | 18 |
| North Dakota | — | 0 | 16 | 8 | 10 | — | 2 | 7 | 33 | 68 | — | 0 | 4 | 5 | 8 |
| South Dakota | — | 2 | 11 | 43 | 61 | 7 | 8 | 20 | 213 | 161 | — | 0 | 0 | — | — |
| **S. Atlantic** | 68 | 67 | 108 | 2,046 | 1,515 | 694 | 1,203 | 2,042 | 31,246 | 47,471 | 8 | 12 | 30 | 460 | 459 |
| Delaware | — | 0 | 3 | 17 | 26 | 20 | 16 | 37 | 530 | 663 | — | 0 | 1 | 3 | 6 |
| District of Columbia | — | 0 | 5 | — | 38 | — | 50 | 88 | 1,524 | 1,474 | — | 0 | 2 | — | 4 |
| Florida | 60 | 35 | 57 | 1,093 | 644 | 247 | 415 | 507 | 12,059 | 13,886 | 4 | 4 | 10 | 160 | 117 |
| Georgia | — | 13 | 67 | 515 | 375 | 1 | 251 | 876 | 5,377 | 8,602 | 2 | 3 | 9 | 100 | 93 |
| Maryland§ | 4 | 5 | 10 | 135 | 140 | 122 | 118 | 212 | 3,253 | 3,554 | 2 | 1 | 6 | 56 | 72 |
| North Carolina | N | 0 | 0 | N | N | — | 0 | 542 | — | 7,508 | — | 1 | 17 | 48 | 45 |
| South Carolina§ | — | 2 | 8 | 50 | 68 | 184 | 163 | 414 | 4,337 | 5,600 | — | 1 | 5 | 30 | 39 |
| Virginia§ | 2 | 8 | 31 | 210 | 188 | 114 | 152 | 308 | 3,864 | 5,742 | — | 1 | 6 | 42 | 66 |
| West Virginia | 2 | 1 | 5 | 26 | 36 | 6 | 11 | 26 | 302 | 442 | — | 0 | 3 | 21 | 17 |
| **E.S. Central** | 7 | 8 | 22 | 189 | 238 | 270 | 510 | 771 | 14,565 | 17,092 | — | 3 | 9 | 100 | 92 |
| Alabama§ | 2 | 4 | 12 | 85 | 137 | — | 148 | 216 | 3,465 | 5,746 | — | 0 | 4 | 24 | 15 |
| Kentucky | N | 0 | 0 | N | N | — | 80 | 153 | 1,962 | 2,540 | — | 0 | 5 | 15 | 6 |
| Mississippi | N | 0 | 0 | N | N | 129 | 145 | 253 | 4,392 | 4,035 | — | 0 | 1 | — | 11 |
| Tennessee§ | 5 | 4 | 13 | 104 | 101 | 141 | 162 | 301 | 4,746 | 4,771 | — | 2 | 6 | 61 | 60 |
| **W.S. Central** | 7 | 8 | 22 | 208 | 198 | 340 | 895 | 1,356 | 24,990 | 29,688 | — | 2 | 22 | 74 | 84 |
| Arkansas§ | — | 2 | 8 | 68 | 65 | 87 | 83 | 134 | 2,483 | 2,689 | — | 0 | 2 | 13 | 11 |
| Louisiana | — | 2 | 10 | 61 | 74 | — | 157 | 420 | 4,220 | 5,568 | — | 0 | 1 | 11 | 8 |
| Oklahoma | 7 | 3 | 18 | 79 | 59 | 253 | 69 | 614 | 2,861 | 2,783 | — | 1 | 20 | 49 | 59 |
| Texas§ | N | 0 | 0 | N | N | — | 563 | 725 | 15,426 | 18,648 | — | 0 | 1 | 1 | 6 |
| **Mountain** | 26 | 27 | 62 | 709 | 756 | 92 | 170 | 313 | 4,076 | 6,821 | — | 5 | 11 | 153 | 202 |
| Arizona | 4 | 3 | 10 | 101 | 64 | 4 | 47 | 82 | 832 | 2,025 | — | 1 | 7 | 53 | 82 |
| Colorado | 13 | 9 | 27 | 238 | 272 | 12 | 56 | 152 | 1,419 | 2,071 | — | 1 | 6 | 50 | 39 |
| Idaho§ | 7 | 3 | 14 | 83 | 90 | 1 | 2 | 13 | 53 | 94 | — | 0 | 2 | 2 | 10 |
| Montana§ | — | 2 | 10 | 64 | 43 | — | 2 | 6 | 45 | 65 | — | 0 | 1 | 1 | 2 |
| Nevada§ | 1 | 2 | 8 | 53 | 63 | 52 | 30 | 86 | 983 | 1,391 | — | 0 | 2 | 12 | 11 |
| New Mexico§ | — | 1 | 8 | 48 | 52 | 21 | 23 | 52 | 581 | 807 | — | 0 | 3 | 15 | 30 |
| Utah | 1 | 6 | 18 | 91 | 152 | 2 | 5 | 15 | 115 | 303 | — | 1 | 2 | 19 | 27 |
| Wyoming§ | — | 1 | 4 | 31 | 20 | — | 2 | 8 | 48 | 65 | — | 0 | 2 | 1 | 1 |
| **Pacific** | 32 | 54 | 130 | 1,371 | 1,573 | 282 | 561 | 775 | 16,783 | 18,288 | — | 2 | 8 | 91 | 97 |
| Alaska | — | 2 | 10 | 80 | 43 | — | 17 | 40 | 768 | 299 | — | 0 | 4 | 20 | 13 |
| California | 23 | 35 | 59 | 936 | 1,074 | 251 | 472 | 658 | 14,013 | 15,047 | — | 0 | 3 | 20 | 35 |
| Hawaii | — | 0 | 4 | 8 | 23 | — | 13 | 19 | 361 | 345 | — | 0 | 3 | 18 | 12 |
| Oregon§ | — | 7 | 17 | 166 | 252 | — | 20 | 48 | 546 | 714 | — | 1 | 3 | 30 | 35 |
| Washington | 9 | 7 | 74 | 181 | 181 | 31 | 46 | 81 | 1,095 | 1,883 | — | 0 | 2 | 3 | 2 |
| American Samoa | — | 0 | 0 | — | — | — | 0 | 0 | — | 3 | — | 0 | 0 | — | — |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 0 | 0 | — | — | — | 1 | 15 | — | 45 | — | 0 | 0 | — | — |
| Puerto Rico | — | 3 | 15 | 49 | 100 | 3 | 4 | 24 | 156 | 159 | — | 0 | 1 | 1 | — |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 2 | 7 | 63 | 79 | 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 2008 and 2009 are provisional.
† Data for *H. influenzae* (age <5 yrs for serotype b, nonserotype b, and unknown serotype) are available in Table I.
§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

**TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 1, 2009, and July 26, 2008 (30th week)***

| Reporting area | Hepatitis (viral, acute), by type† A: Current week | A: Previous 52 weeks Med | A: Previous 52 weeks Max | A: Cum 2009 | A: Cum 2008 | B: Current week | B: Previous 52 weeks Med | B: Previous 52 weeks Max | B: Cum 2009 | B: Cum 2008 | Legionellosis: Current week | Legionellosis: Previous 52 weeks Med | Legionellosis: Previous 52 weeks Max | Legionellosis: Cum 2009 | Legionellosis: Cum 2008 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **United States** | 21 | 36 | 89 | 1,027 | 1,558 | 19 | 68 | 197 | 1,768 | 2,161 | 43 | 50 | 110 | 1,297 | 1,486 |
| **New England** | 2 | 1 | 8 | 37 | 76 | — | 1 | 4 | 17 | 46 | 4 | 2 | 18 | 48 | 89 |
| Connecticut | 2 | 0 | 4 | 14 | 14 | — | 0 | 3 | 7 | 17 | 2 | 1 | 5 | 29 | 16 |
| Maine§ | — | 0 | 5 | 1 | 4 | — | 0 | 2 | 7 | 9 | — | 0 | 2 | 2 | 4 |
| Massachusetts | — | 0 | 2 | 14 | 40 | — | 0 | 2 | 1 | 13 | — | 0 | 6 | 6 | 38 |
| New Hampshire | — | 0 | 2 | 3 | 6 | — | 0 | 2 | 2 | 3 | 1 | 0 | 4 | 5 | 14 |
| Rhode Island§ | — | 0 | 2 | 3 | 10 | — | 0 | 1 | — | 3 | — | 0 | 14 | 4 | 12 |
| Vermont§ | — | 0 | 1 | 2 | 2 | — | 0 | 1 | — | 1 | 1 | 0 | 1 | 2 | 5 |
| **Mid. Atlantic** | 1 | 5 | 13 | 122 | 171 | — | 6 | 17 | 173 | 274 | 14 | 14 | 55 | 479 | 444 |
| New Jersey | — | 1 | 5 | 21 | 39 | — | 1 | 5 | 31 | 79 | — | 2 | 14 | 69 | 60 |
| New York (Upstate) | — | 1 | 4 | 29 | 37 | — | 1 | 11 | 37 | 36 | 9 | 5 | 24 | 145 | 120 |
| New York City | — | 2 | 6 | 34 | 57 | — | 1 | 4 | 36 | 61 | — | 2 | 18 | 91 | 60 |
| Pennsylvania | 1 | 1 | 4 | 38 | 38 | — | 2 | 8 | 69 | 98 | 5 | 6 | 24 | 174 | 204 |
| **E.N. Central** | — | 5 | 12 | 134 | 213 | 3 | 10 | 21 | 258 | 283 | 8 | 8 | 29 | 208 | 344 |
| Illinois | — | 1 | 9 | 51 | 78 | — | 2 | 7 | 29 | 105 | — | 1 | 13 | 9 | 45 |
| Indiana | — | 0 | 3 | 13 | 12 | — | 1 | 18 | 70 | 23 | — | 1 | 5 | 18 | 32 |
| Michigan | — | 1 | 5 | 39 | 77 | — | 3 | 8 | 78 | 77 | — | 2 | 10 | 47 | 101 |
| Ohio | — | 1 | 4 | 26 | 26 | 3 | 1 | 13 | 60 | 65 | 8 | 4 | 17 | 129 | 152 |
| Wisconsin | — | 0 | 3 | 5 | 20 | — | 0 | 4 | 21 | 13 | — | 0 | 6 | 5 | 14 |
| **W.N. Central** | — | 2 | 16 | 69 | 190 | — | 2 | 16 | 80 | 48 | — | 2 | 8 | 41 | 70 |
| Iowa | — | 0 | 3 | 17 | 88 | — | 0 | 3 | 15 | 13 | — | 0 | 2 | 12 | 9 |
| Kansas | — | 0 | 1 | 7 | 12 | — | 0 | 2 | 4 | 6 | — | 0 | 1 | 2 | 1 |
| Minnesota | — | 0 | 12 | 13 | 26 | — | 0 | 11 | 14 | 4 | — | 0 | 3 | 6 | 8 |
| Missouri | — | 0 | 3 | 15 | 23 | — | 1 | 5 | 36 | 19 | — | 1 | 5 | 14 | 37 |
| Nebraska§ | — | 0 | 2 | 15 | 39 | — | 0 | 2 | 10 | 5 | — | 0 | 1 | 6 | 14 |
| North Dakota | — | 0 | 2 | — | — | — | 0 | 1 | — | 1 | — | 0 | 3 | 1 | — |
| South Dakota | — | 0 | 1 | 2 | 2 | — | 0 | 1 | 1 | — | — | 0 | 1 | — | 1 |
| **S. Atlantic** | 11 | 7 | 15 | 238 | 203 | 7 | 18 | 31 | 552 | 536 | 9 | 9 | 22 | 257 | 245 |
| Delaware | — | 0 | 1 | 3 | 5 | U | 0 | 1 | U | U | — | 0 | 5 | 8 | 6 |
| District of Columbia | U | 0 | 0 | U | U | U | 0 | 0 | U | U | — | 0 | 2 | — | 8 |
| Florida | 5 | 4 | 8 | 112 | 78 | 3 | 6 | 11 | 179 | 187 | 4 | 3 | 7 | 89 | 79 |
| Georgia | 3 | 1 | 4 | 39 | 29 | 3 | 3 | 9 | 88 | 101 | — | 1 | 5 | 32 | 20 |
| Maryland§ | 1 | 1 | 4 | 25 | 25 | — | 1 | 5 | 43 | 49 | — | 2 | 10 | 58 | 68 |
| North Carolina | 2 | 1 | 7 | 24 | 35 | — | 1 | 19 | 128 | 51 | 4 | 0 | 7 | 36 | 12 |
| South Carolina§ | — | 0 | 3 | 20 | 7 | — | 1 | 4 | 24 | 43 | — | 0 | 1 | 3 | 6 |
| Virginia§ | — | 1 | 6 | 15 | 21 | — | 2 | 10 | 45 | 62 | 1 | 1 | 5 | 29 | 30 |
| West Virginia | — | 0 | 1 | — | 3 | 1 | 1 | 19 | 45 | 43 | — | 0 | 3 | 2 | 16 |
| **E.S. Central** | — | 1 | 5 | 25 | 46 | — | 7 | 11 | 168 | 215 | 1 | 2 | 5 | 55 | 74 |
| Alabama§ | — | 0 | 2 | 6 | 7 | — | 2 | 7 | 53 | 56 | — | 0 | 1 | 6 | 10 |
| Kentucky | — | 0 | 2 | 4 | 16 | — | 2 | 7 | 45 | 56 | — | 1 | 3 | 23 | 37 |
| Mississippi | — | 0 | 1 | 7 | 4 | — | 0 | 3 | 8 | 22 | — | 0 | 1 | 1 | 1 |
| Tennessee§ | — | 0 | 4 | 8 | 19 | — | 2 | 6 | 62 | 81 | 1 | 1 | 4 | 25 | 26 |
| **W.S. Central** | 2 | 3 | 43 | 98 | 154 | 7 | 11 | 99 | 254 | 438 | — | 1 | 21 | 42 | 44 |
| Arkansas§ | — | 0 | 1 | 4 | 4 | — | 1 | 5 | 23 | 32 | — | 0 | 2 | 3 | 6 |
| Louisiana | — | 0 | 2 | 2 | 8 | — | 1 | 4 | 23 | 55 | — | 0 | 1 | 2 | 8 |
| Oklahoma | — | 0 | 6 | 1 | 7 | 2 | 2 | 17 | 52 | 59 | — | 0 | 6 | 3 | 3 |
| Texas§ | 2 | 3 | 37 | 91 | 135 | 5 | 6 | 76 | 156 | 292 | — | 1 | 19 | 34 | 27 |
| **Mountain** | 1 | 3 | 8 | 92 | 144 | — | 3 | 9 | 76 | 115 | — | 2 | 8 | 57 | 44 |
| Arizona | 1 | 2 | 6 | 44 | 75 | — | 1 | 4 | 28 | 46 | — | 0 | 3 | 24 | 12 |
| Colorado | — | 0 | 5 | 27 | 26 | — | 0 | 3 | 15 | 18 | — | 0 | 2 | 6 | 3 |
| Idaho§ | — | 0 | 1 | 2 | 14 | — | 0 | 2 | 4 | 4 | — | 0 | 1 | — | 2 |
| Montana§ | — | 0 | 1 | 4 | — | — | 0 | 1 | — | — | — | 0 | 2 | 4 | 4 |
| Nevada§ | — | 0 | 3 | 6 | 5 | — | 0 | 3 | 16 | 27 | — | 0 | 2 | 8 | 6 |
| New Mexico§ | — | 0 | 1 | 5 | 14 | — | 0 | 2 | 5 | 7 | — | 0 | 2 | — | 3 |
| Utah | — | 0 | 2 | 4 | 7 | — | 0 | 3 | 5 | 8 | — | 0 | 4 | 14 | 14 |
| Wyoming§ | — | 0 | 0 | — | 3 | — | 0 | 2 | 3 | 5 | — | 0 | 1 | 1 | — |
| **Pacific** | 4 | 8 | 18 | 212 | 361 | 2 | 7 | 36 | 190 | 206 | 7 | 3 | 12 | 110 | 132 |
| Alaska | — | 0 | 1 | 6 | 3 | — | 0 | 2 | 5 | 6 | — | 0 | 1 | 3 | 1 |
| California | 4 | 6 | 17 | 162 | 295 | 1 | 5 | 28 | 142 | 143 | 5 | 3 | 9 | 85 | 100 |
| Hawaii | — | 0 | 2 | 4 | 8 | — | 0 | 1 | 3 | 4 | — | 0 | 1 | 1 | 5 |
| Oregon§ | — | 0 | 2 | 12 | 21 | — | 0 | 3 | 20 | 28 | — | 0 | 2 | 7 | 12 |
| Washington | — | 1 | 4 | 28 | 34 | 1 | 1 | 8 | 20 | 25 | 2 | 0 | 4 | 14 | 14 |
| 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 | 15 | 18 | — | 0 | 5 | 10 | 31 | — | 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 2008 and 2009 are provisional.
† Data for acute hepatitis C, viral are available in Table I.
§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

**TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 1, 2009, and July 26, 2008 (30th 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** | 578 | 539 | 1,637 | 10,999 | 17,202 | 25 | 22 | 46 | 584 | 604 | 8 | 17 | 48 | 571 | 795 |
| **New England** | 42 | 66 | 552 | 1,080 | 6,864 | — | 0 | 5 | 15 | 31 | — | 0 | 4 | 18 | 23 |
| Connecticut | — | 0 | 136 | — | 2,562 | — | 0 | 4 | 4 | 6 | — | 0 | 1 | 2 | 1 |
| Maine§ | 33 | 8 | 73 | 300 | 92 | — | 0 | 1 | 1 | 1 | — | 0 | 1 | 3 | 4 |
| Massachusetts | — | 11 | 203 | 117 | 3,010 | — | 0 | 4 | 6 | 15 | — | 0 | 3 | 9 | 15 |
| New Hampshire | — | 15 | 98 | 452 | 962 | — | 0 | 1 | 1 | 3 | — | 0 | 1 | 1 | 2 |
| Rhode Island§ | — | 0 | 78 | 54 | 113 | — | 0 | 1 | 1 | 2 | — | 0 | 1 | 2 | 1 |
| Vermont§ | 9 | 5 | 41 | 157 | 125 | — | 0 | 1 | 2 | 4 | — | 0 | 1 | 1 | — |
| **Mid. Atlantic** | 428 | 238 | 1,401 | 7,098 | 6,644 | — | 5 | 17 | 130 | 149 | 1 | 2 | 5 | 62 | 84 |
| New Jersey | 4 | 37 | 211 | 1,817 | 2,378 | — | 0 | 4 | — | 34 | — | 0 | 2 | 8 | 11 |
| New York (Upstate) | 272 | 87 | 1,368 | 1,951 | 1,804 | — | 1 | 10 | 27 | 15 | — | 0 | 2 | 16 | 22 |
| New York City | — | 1 | 54 | 7 | 380 | — | 3 | 11 | 75 | 77 | — | 0 | 2 | 9 | 17 |
| Pennsylvania | 152 | 53 | 407 | 3,323 | 2,082 | — | 1 | 4 | 28 | 23 | 1 | 1 | 4 | 29 | 34 |
| **E.N. Central** | 5 | 21 | 149 | 778 | 1,355 | 1 | 3 | 6 | 81 | 94 | 1 | 3 | 9 | 109 | 140 |
| Illinois | — | 1 | 5 | 30 | 80 | — | 1 | 4 | 31 | 48 | — | 1 | 6 | 25 | 50 |
| Indiana | — | 0 | 6 | 15 | 19 | — | 0 | 2 | 11 | 4 | — | 0 | 6 | 35 | 17 |
| Michigan | 1 | 1 | 10 | 30 | 23 | — | 0 | 3 | 13 | 10 | — | 0 | 5 | 17 | 23 |
| Ohio | 2 | 1 | 6 | 20 | 13 | 1 | 1 | 5 | 23 | 20 | 1 | 0 | 3 | 26 | 32 |
| Wisconsin | 2 | 17 | 135 | 683 | 1,220 | — | 0 | 2 | 3 | 12 | — | 0 | 1 | 6 | 18 |
| **W.N. Central** | 14 | 5 | 336 | 107 | 257 | — | 1 | 7 | 32 | 35 | — | 1 | 9 | 42 | 72 |
| Iowa | — | 1 | 8 | 43 | 75 | — | 0 | 3 | 5 | 3 | — | 0 | 1 | 4 | 14 |
| Kansas | — | 0 | 4 | 13 | 6 | — | 0 | 2 | 3 | 3 | — | 0 | 2 | 8 | 3 |
| Minnesota | 14 | 1 | 326 | 39 | 168 | — | 0 | 7 | 13 | 16 | — | 0 | 4 | 9 | 21 |
| Missouri | — | 0 | 2 | 4 | 2 | — | 0 | 2 | 7 | 7 | — | 0 | 2 | 14 | 22 |
| Nebraska§ | — | 0 | 3 | 7 | 3 | — | 0 | 1 | 3 | 6 | — | 0 | 1 | 5 | 10 |
| North Dakota | — | 0 | 10 | — | — | — | 0 | 0 | — | — | — | 0 | 3 | — | 1 |
| South Dakota | — | 0 | 1 | 1 | 3 | — | 0 | 1 | 1 | — | — | 0 | 1 | 2 | 1 |
| **S. Atlantic** | 88 | 65 | 223 | 1,782 | 1,923 | 11 | 6 | 15 | 193 | 160 | 3 | 2 | 9 | 104 | 112 |
| Delaware | 18 | 12 | 56 | 531 | 504 | — | 0 | 1 | 2 | 1 | — | 0 | 1 | 2 | 1 |
| District of Columbia | — | 0 | 5 | — | 38 | — | 0 | 2 | — | 2 | — | 0 | 0 | — | — |
| Florida | 1 | 1 | 6 | 23 | 24 | 7 | 1 | 7 | 57 | 27 | 2 | 1 | 4 | 39 | 40 |
| Georgia | 3 | 0 | 6 | 29 | 25 | — | 1 | 4 | 38 | 37 | — | 0 | 2 | 20 | 14 |
| Maryland§ | 66 | 30 | 163 | 861 | 926 | 1 | 1 | 8 | 48 | 44 | — | 0 | 1 | 5 | 12 |
| North Carolina | — | 1 | 7 | 37 | 6 | 3 | 0 | 5 | 21 | 17 | — | 0 | 5 | 16 | 10 |
| South Carolina§ | — | 0 | 3 | 14 | 14 | — | 0 | 1 | 1 | 6 | — | 0 | 1 | 8 | 16 |
| Virginia§ | — | 12 | 61 | 223 | 294 | — | 1 | 4 | 24 | 25 | — | 0 | 2 | 9 | 15 |
| West Virginia | — | 1 | 17 | 64 | 92 | — | 0 | 1 | 2 | 1 | 1 | 0 | 2 | 5 | 4 |
| **E.S. Central** | — | 0 | 3 | 11 | 29 | 1 | 0 | 3 | 21 | 11 | — | 0 | 3 | 19 | 38 |
| Alabama§ | — | 0 | 1 | 2 | 8 | — | 0 | 3 | 6 | 3 | — | 0 | 1 | 5 | 5 |
| Kentucky | — | 0 | 1 | 1 | 4 | 1 | 0 | 2 | 8 | 3 | — | 0 | 1 | 4 | 7 |
| Mississippi | — | 0 | 0 | — | 1 | — | 0 | 0 | — | 1 | — | 0 | 1 | 1 | 9 |
| Tennessee§ | — | 0 | 3 | 8 | 16 | — | 0 | 3 | 7 | 4 | — | 0 | 1 | 9 | 17 |
| **W.S. Central** | — | 1 | 21 | 18 | 49 | 7 | 1 | 10 | 25 | 29 | 2 | 1 | 12 | 49 | 81 |
| Arkansas§ | — | 0 | 0 | — | — | — | 0 | 1 | 1 | — | — | 0 | 2 | 5 | 13 |
| Louisiana | — | 0 | 1 | — | 1 | — | 0 | 1 | 1 | 2 | — | 0 | 3 | 9 | 18 |
| Oklahoma | — | 0 | 2 | — | — | 1 | 0 | 2 | 2 | 2 | — | 0 | 3 | 4 | 10 |
| Texas§ | — | 1 | 21 | 18 | 48 | 6 | 1 | 10 | 21 | 25 | 2 | 1 | 9 | 31 | 40 |
| **Mountain** | 1 | 1 | 13 | 21 | 26 | — | 0 | 4 | 13 | 16 | — | 1 | 4 | 44 | 42 |
| Arizona | — | 0 | 2 | 2 | 4 | — | 0 | 2 | 3 | 6 | — | 0 | 2 | 10 | 5 |
| Colorado | — | 0 | 1 | 2 | 2 | — | 0 | 3 | 6 | 3 | — | 0 | 2 | 13 | 9 |
| Idaho§ | 1 | 0 | 2 | 8 | 4 | — | 0 | 1 | 1 | — | — | 0 | 1 | 5 | 4 |
| Montana§ | — | 0 | 13 | 1 | 2 | — | 0 | 1 | 1 | — | — | 0 | 2 | 4 | 4 |
| Nevada§ | — | 0 | 2 | 7 | 5 | — | 0 | 1 | — | 4 | — | 0 | 2 | 4 | 7 |
| New Mexico§ | — | 0 | 2 | — | 6 | — | 0 | 1 | — | 1 | — | 0 | 1 | 3 | 6 |
| Utah | — | 0 | 1 | — | 2 | — | 0 | 2 | 2 | 2 | — | 0 | 1 | 1 | 5 |
| Wyoming§ | — | 0 | 1 | 1 | 1 | — | 0 | 0 | — | — | — | 0 | 2 | 4 | 2 |
| **Pacific** | — | 3 | 13 | 104 | 55 | 5 | 3 | 10 | 74 | 79 | 1 | 4 | 14 | 124 | 203 |
| Alaska | — | 0 | 2 | 3 | 3 | — | 0 | 1 | 3 | 3 | — | 0 | 2 | 2 | 5 |
| California | — | 3 | 7 | 91 | 32 | 3 | 2 | 8 | 55 | 59 | 1 | 2 | 8 | 80 | 150 |
| Hawaii | N | 0 | 0 | N | N | — | 0 | 1 | 1 | 2 | — | 0 | 1 | 3 | 4 |
| Oregon§ | — | 0 | 3 | 7 | 16 | — | 0 | 2 | 6 | 4 | — | 0 | 7 | 26 | 25 |
| Washington | — | 0 | 12 | 3 | 4 | 2 | 0 | 3 | 9 | 11 | — | 0 | 6 | 13 | 19 |
| American Samoa | N | 0 | 0 | N | N | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 0 | 0 | — | — | — | 0 | 2 | — | 1 | — | 0 | 0 | — | — |
| Puerto Rico | N | 0 | 0 | N | N | — | 0 | 1 | 1 | 2 | — | 0 | 1 | — | 2 |
| 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 2008 and 2009 are 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 August 1, 2009, and July 26, 2008 (30th 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** | 104 | 260 | 1,697 | 6,981 | 4,704 | 37 | 67 | 138 | 1,970 | 2,342 | 28 | 30 | 179 | 747 | 1,007 |
| **New England** | — | 15 | 33 | 254 | 548 | 9 | 8 | 15 | 193 | 214 | — | 0 | 2 | 4 | 3 |
| Connecticut | — | 0 | 4 | 18 | 33 | 5 | 3 | 10 | 85 | 102 | — | 0 | 0 | — | — |
| Maine† | — | 1 | 10 | 63 | 16 | 1 | 1 | 5 | 33 | 31 | — | 0 | 2 | 4 | — |
| Massachusetts | — | 8 | 26 | 105 | 432 | — | 0 | 0 | — | — | — | 0 | 1 | — | 1 |
| New Hampshire | — | 1 | 7 | 49 | 19 | 1 | 1 | 7 | 23 | 23 | — | 0 | 0 | — | 1 |
| Rhode Island† | — | 0 | 5 | 11 | 41 | — | 0 | 3 | 21 | 18 | — | 0 | 2 | — | 1 |
| Vermont† | — | 0 | 2 | 8 | 7 | 2 | 1 | 4 | 31 | 40 | — | 0 | 0 | — | — |
| **Mid. Atlantic** | 11 | 23 | 64 | 602 | 554 | 13 | 15 | 30 | 347 | 503 | — | 1 | 29 | 35 | 74 |
| New Jersey | — | 4 | 12 | 92 | 115 | — | 0 | 0 | — | — | — | 0 | 6 | — | 51 |
| New York (Upstate) | 1 | 5 | 41 | 108 | 195 | 13 | 8 | 20 | 229 | 263 | — | 0 | 29 | 4 | 10 |
| New York City | — | 0 | 21 | 48 | 48 | — | 0 | 2 | — | 11 | — | 0 | 4 | 20 | 6 |
| Pennsylvania | 10 | 11 | 33 | 354 | 196 | — | 6 | 17 | 118 | 229 | — | 0 | 2 | 11 | 7 |
| **E.N. Central** | 32 | 50 | 238 | 1,511 | 812 | 4 | 2 | 28 | 103 | 101 | — | 2 | 15 | 41 | 74 |
| Illinois | — | 14 | 45 | 255 | 126 | 2 | 1 | 20 | 40 | 36 | — | 1 | 10 | 26 | 56 |
| Indiana | — | 5 | 158 | 188 | 28 | — | 0 | 12 | 12 | 3 | — | 0 | 3 | 2 | 2 |
| Michigan | 3 | 10 | 21 | 326 | 118 | 1 | 1 | 9 | 31 | 37 | — | 0 | 2 | 4 | 2 |
| Ohio | 29 | 18 | 57 | 665 | 475 | 1 | 0 | 7 | 20 | 25 | — | 0 | 3 | 9 | 14 |
| Wisconsin | — | 4 | 10 | 77 | 65 | N | 0 | 0 | N | N | — | 0 | 0 | — | — |
| **W.N. Central** | 21 | 33 | 872 | 1,057 | 391 | 6 | 5 | 17 | 151 | 160 | 2 | 4 | 25 | 108 | 250 |
| Iowa | — | 5 | 21 | 107 | 64 | — | 0 | 5 | 9 | 12 | — | 0 | 1 | 2 | 6 |
| Kansas | — | 4 | 12 | 118 | 33 | 2 | 1 | 6 | 55 | 44 | — | 0 | 1 | 1 | — |
| Minnesota | — | 0 | 808 | 165 | 110 | — | 0 | 11 | 29 | 26 | — | 0 | 0 | — | — |
| Missouri | 21 | 15 | 51 | 546 | 132 | 4 | 1 | 8 | 27 | 25 | 2 | 3 | 24 | 99 | 233 |
| Nebraska† | — | 4 | 32 | 92 | 38 | — | 0 | 2 | — | 23 | — | 0 | 4 | 6 | 8 |
| North Dakota | — | 0 | 24 | 15 | 1 | — | 0 | 9 | 4 | 16 | — | 0 | 1 | — | — |
| South Dakota | — | 0 | 10 | 14 | 13 | — | 0 | 4 | 27 | 14 | — | 0 | 0 | — | 3 |
| **S. Atlantic** | 12 | 26 | 71 | 903 | 452 | 1 | 25 | 111 | 893 | 1,051 | 10 | 14 | 54 | 315 | 299 |
| Delaware | — | 0 | 3 | 8 | 6 | — | 0 | 0 | — | — | — | 0 | 3 | 5 | 20 |
| District of Columbia | — | 0 | 2 | — | 1 | — | 0 | 0 | — | — | — | 0 | 0 | — | 6 |
| Florida | 10 | 8 | 32 | 308 | 126 | — | 0 | 95 | 100 | 138 | — | 0 | 3 | 5 | 5 |
| Georgia | — | 3 | 11 | 106 | 48 | — | 4 | 71 | 225 | 229 | 2 | 1 | 5 | 24 | 45 |
| Maryland† | 1 | 3 | 10 | 61 | 58 | — | 6 | 13 | 184 | 264 | — | 1 | 7 | 26 | 38 |
| North Carolina | — | 0 | 65 | 199 | 77 | N | 2 | 4 | N | N | 8 | 9 | 36 | 203 | 106 |
| South Carolina† | — | 3 | 16 | 118 | 63 | — | 0 | 0 | — | — | — | 0 | 9 | 14 | 17 |
| Virginia† | — | 4 | 24 | 94 | 67 | — | 10 | 24 | 315 | 359 | — | 2 | 15 | 35 | 56 |
| West Virginia | 1 | 0 | 2 | 9 | 6 | 1 | 2 | 6 | 69 | 61 | — | 0 | 1 | 3 | 6 |
| **E.S. Central** | 6 | 13 | 33 | 429 | 170 | 1 | 2 | 7 | 65 | 104 | 1 | 4 | 19 | 132 | 166 |
| Alabama† | 4 | 3 | 19 | 164 | 23 | — | 0 | 0 | — | — | — | 1 | 6 | 28 | 43 |
| Kentucky | 1 | 4 | 15 | 126 | 37 | 1 | 1 | 4 | 31 | 24 | — | 0 | 0 | — | 1 |
| Mississippi | — | 1 | 4 | 30 | 69 | — | 0 | 2 | — | 2 | — | 0 | 1 | 5 | 7 |
| Tennessee† | 1 | 3 | 14 | 109 | 41 | — | 2 | 6 | 34 | 78 | 1 | 3 | 17 | 99 | 115 |
| **W.S. Central** | 1 | 54 | 389 | 1,260 | 647 | — | 0 | 7 | 31 | 61 | 15 | 2 | 161 | 94 | 120 |
| Arkansas† | — | 4 | 38 | 123 | 46 | — | 0 | 5 | 23 | 34 | 13 | 0 | 61 | 41 | 13 |
| Louisiana | — | 2 | 7 | 62 | 40 | — | 0 | 0 | — | — | — | 0 | 2 | 2 | 3 |
| Oklahoma | 1 | 0 | 45 | 18 | 19 | — | 0 | 6 | 7 | 25 | 2 | 0 | 98 | 40 | 80 |
| Texas† | — | 44 | 304 | 1,057 | 542 | — | 0 | 1 | 1 | 2 | — | 0 | 6 | 11 | 24 |
| **Mountain** | 12 | 16 | 31 | 476 | 501 | — | 2 | 9 | 52 | 38 | — | 1 | 3 | 16 | 19 |
| Arizona | 1 | 3 | 8 | 107 | 140 | N | 0 | 0 | N | N | — | 0 | 2 | 3 | 6 |
| Colorado | 10 | 5 | 12 | 170 | 85 | — | 0 | 0 | — | — | — | 0 | 1 | — | — |
| Idaho† | 1 | 1 | 5 | 45 | 21 | — | 0 | 2 | — | 4 | — | 0 | 1 | — | — |
| Montana† | — | 0 | 4 | 11 | 63 | — | 0 | 4 | 15 | 3 | — | 0 | 2 | 8 | 3 |
| Nevada† | — | 0 | 3 | 7 | 21 | — | 0 | 5 | 2 | 3 | — | 0 | 2 | 1 | — |
| New Mexico† | — | 1 | 10 | 30 | 28 | — | 0 | 2 | 15 | 19 | — | 0 | 1 | 1 | 2 |
| Utah | — | 4 | 19 | 105 | 133 | — | 0 | 6 | 3 | 2 | — | 0 | 1 | 1 | 3 |
| Wyoming† | — | 0 | 2 | 1 | 10 | — | 0 | 4 | 17 | 7 | — | 0 | 2 | 2 | 5 |
| **Pacific** | 9 | 22 | 98 | 489 | 629 | 3 | 4 | 13 | 135 | 110 | — | 0 | 1 | 2 | 2 |
| Alaska | — | 4 | 21 | 56 | 63 | — | 0 | 4 | 18 | 12 | N | 0 | 0 | N | N |
| California | — | 6 | 19 | 128 | 312 | 3 | 4 | 12 | 115 | 94 | — | 0 | 1 | 2 | — |
| Hawaii | — | 0 | 3 | 17 | 6 | — | 0 | 0 | — | — | N | 0 | 0 | N | N |
| Oregon† | — | 3 | 13 | 131 | 95 | — | 0 | 2 | 2 | 4 | — | 0 | 1 | — | 2 |
| Washington | 9 | 6 | 76 | 157 | 153 | — | 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 | 22 | 37 | 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 2008 and 2009 are provisional.
† Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

**TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 1, 2009, and July 26, 2008 (30th week)***

| Reporting area | Salmonellosis | | | | | Shiga toxin-producing *E. coli* (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** | 605 | 858 | 2,323 | 20,801 | 23,204 | 51 | 80 | 255 | 1,881 | 2,371 | 178 | 323 | 1,268 | 8,518 | 10,560 |
| **New England** | 2 | 25 | 246 | 835 | 1,374 | 1 | 3 | 52 | 105 | 146 | — | 2 | 24 | 78 | 136 |
| Connecticut | — | 0 | 220 | 220 | 491 | — | 0 | 52 | 52 | 47 | — | 0 | 19 | 19 | 40 |
| Maine§ | 1 | 2 | 8 | 65 | 81 | — | 0 | 3 | 10 | 6 | — | 0 | 6 | 3 | 10 |
| Massachusetts | — | 16 | 41 | 263 | 621 | — | 1 | 9 | 15 | 65 | — | 2 | 9 | 40 | 72 |
| New Hampshire | 1 | 3 | 42 | 177 | 85 | 1 | 1 | 3 | 21 | 14 | — | 0 | 3 | 5 | 4 |
| Rhode Island§ | — | 2 | 11 | 78 | 50 | — | 0 | 1 | — | 7 | — | 0 | 1 | 8 | 8 |
| Vermont§ | — | 1 | 7 | 32 | 46 | — | 0 | 6 | 7 | 7 | — | 0 | 2 | 3 | 2 |
| **Mid. Atlantic** | 90 | 89 | 189 | 2,320 | 2,957 | 6 | 6 | 23 | 123 | 259 | 15 | 55 | 74 | 1,593 | 1,368 |
| New Jersey | — | 12 | 44 | 192 | 719 | — | 1 | 7 | 19 | 85 | — | 16 | 35 | 334 | 418 |
| New York (Upstate) | 66 | 24 | 65 | 659 | 690 | 6 | 3 | 12 | 61 | 74 | 4 | 5 | 23 | 122 | 378 |
| New York City | 5 | 19 | 49 | 589 | 667 | — | 1 | 5 | 37 | 30 | 1 | 9 | 23 | 233 | 472 |
| Pennsylvania | 19 | 29 | 78 | 880 | 881 | — | 0 | 8 | 6 | 70 | 10 | 21 | 57 | 904 | 100 |
| **E.N. Central** | 39 | 97 | 156 | 2,656 | 2,799 | 5 | 14 | 74 | 344 | 374 | 34 | 79 | 132 | 1,649 | 1,922 |
| Illinois | — | 25 | 50 | 645 | 832 | — | 1 | 10 | 62 | 69 | — | 14 | 34 | 316 | 572 |
| Indiana | — | 11 | 50 | 311 | 321 | — | 2 | 13 | 55 | 41 | — | 2 | 21 | 51 | 445 |
| Michigan | 5 | 18 | 38 | 521 | 521 | — | 3 | 43 | 75 | 74 | 2 | 5 | 24 | 131 | 64 |
| Ohio | 33 | 27 | 52 | 836 | 714 | 4 | 3 | 15 | 69 | 86 | 31 | 40 | 80 | 852 | 639 |
| Wisconsin | 1 | 12 | 30 | 343 | 411 | 1 | 3 | 16 | 83 | 104 | 1 | 11 | 42 | 299 | 202 |
| **W.N. Central** | 41 | 52 | 109 | 1,468 | 1,510 | 15 | 12 | 42 | 342 | 434 | 20 | 14 | 49 | 499 | 515 |
| Iowa | 5 | 7 | 16 | 224 | 247 | 2 | 2 | 17 | 92 | 111 | — | 3 | 12 | 45 | 93 |
| Kansas | 6 | 7 | 19 | 213 | 244 | — | 1 | 7 | 25 | 24 | 2 | 3 | 11 | 145 | 11 |
| Minnesota | 14 | 13 | 56 | 349 | 373 | 6 | 2 | 14 | 100 | 83 | 5 | 3 | 24 | 48 | 152 |
| Missouri | 14 | 11 | 48 | 279 | 396 | 6 | 2 | 10 | 61 | 103 | 11 | 3 | 37 | 241 | 155 |
| Nebraska§ | 2 | 5 | 41 | 228 | 139 | 1 | 2 | 12 | 47 | 82 | 2 | 0 | 3 | 15 | 1 |
| North Dakota | — | 0 | 30 | 32 | 27 | — | 0 | 28 | 3 | 1 | — | 0 | 9 | 3 | 29 |
| South Dakota | — | 4 | 22 | 143 | 84 | — | 0 | 5 | 14 | 30 | — | 0 | 1 | 2 | 74 |
| **S. Atlantic** | 223 | 262 | 457 | 5,706 | 5,516 | 6 | 13 | 48 | 335 | 386 | 30 | 48 | 85 | 1,334 | 1,905 |
| Delaware | 2 | 2 | 8 | 48 | 82 | — | 0 | 2 | 8 | 8 | 3 | 0 | 8 | 52 | 7 |
| District of Columbia | — | 0 | 2 | — | 41 | — | 0 | 1 | — | 5 | — | 0 | 2 | — | 10 |
| Florida | 163 | 103 | 180 | 2,614 | 2,334 | 3 | 2 | 10 | 89 | 82 | 7 | 9 | 26 | 251 | 532 |
| Georgia | 50 | 39 | 96 | 1,045 | 1,065 | 1 | 1 | 8 | 37 | 46 | 12 | 13 | 30 | 387 | 743 |
| Maryland§ | 2 | 16 | 35 | 374 | 438 | 1 | 2 | 11 | 44 | 57 | 7 | 6 | 13 | 216 | 44 |
| North Carolina | 1 | 27 | 106 | 742 | 469 | — | 2 | 21 | 70 | 40 | — | 6 | 27 | 240 | 60 |
| South Carolina§ | — | 16 | 57 | 333 | 473 | — | 0 | 3 | 16 | 24 | — | 4 | 17 | 71 | 388 |
| Virginia§ | 1 | 19 | 88 | 430 | 493 | — | 3 | 27 | 57 | 98 | 1 | 4 | 59 | 112 | 101 |
| West Virginia | 4 | 4 | 23 | 120 | 121 | 1 | 0 | 3 | 14 | 26 | — | 0 | 3 | 5 | 20 |
| **E.S. Central** | 26 | 53 | 140 | 1,247 | 1,538 | 3 | 5 | 12 | 122 | 145 | 4 | 22 | 58 | 521 | 1,193 |
| Alabama§ | 4 | 15 | 49 | 348 | 416 | 1 | 1 | 4 | 29 | 41 | — | 4 | 12 | 90 | 281 |
| Kentucky | 10 | 10 | 18 | 254 | 242 | — | 2 | 7 | 40 | 41 | 1 | 2 | 25 | 132 | 202 |
| Mississippi | — | 13 | 57 | 284 | 485 | — | 0 | 1 | 6 | 3 | — | 1 | 6 | 17 | 252 |
| Tennessee§ | 12 | 14 | 62 | 361 | 395 | 2 | 2 | 6 | 47 | 60 | 3 | 13 | 48 | 282 | 458 |
| **W.S. Central** | 27 | 87 | 1,333 | 1,761 | 3,058 | 2 | 4 | 139 | 68 | 186 | 41 | 69 | 967 | 1,566 | 2,317 |
| Arkansas§ | 13 | 12 | 38 | 299 | 340 | 1 | 1 | 5 | 19 | 28 | 6 | 9 | 21 | 205 | 282 |
| Louisiana | — | 15 | 54 | 330 | 524 | — | 0 | 1 | — | 5 | — | 5 | 20 | 88 | 408 |
| Oklahoma | 14 | 14 | 102 | 306 | 338 | 1 | 0 | 82 | 13 | 18 | 4 | 5 | 61 | 149 | 63 |
| Texas§ | — | 49 | 1,204 | 826 | 1,856 | — | 2 | 55 | 36 | 135 | 31 | 48 | 889 | 1,124 | 1,564 |
| **Mountain** | 34 | 57 | 106 | 1,511 | 1,774 | 4 | 10 | 40 | 244 | 272 | 17 | 27 | 54 | 644 | 448 |
| Arizona | 8 | 19 | 43 | 509 | 505 | 1 | 1 | 4 | 30 | 36 | 10 | 17 | 40 | 479 | 209 |
| Colorado | 18 | 12 | 26 | 359 | 427 | — | 3 | 18 | 94 | 80 | 5 | 2 | 11 | 52 | 51 |
| Idaho§ | 4 | 3 | 9 | 92 | 96 | 2 | 2 | 15 | 37 | 51 | — | 0 | 2 | 5 | 6 |
| Montana§ | — | 2 | 7 | 69 | 59 | — | 0 | 3 | 14 | 23 | — | 0 | 5 | 13 | 3 |
| Nevada§ | 3 | 4 | 10 | 141 | 132 | — | 0 | 3 | 16 | 10 | 2 | 1 | 13 | 36 | 119 |
| New Mexico§ | — | 6 | 22 | 143 | 340 | — | 1 | 4 | 17 | 30 | — | 2 | 12 | 48 | 43 |
| Utah | 1 | 7 | 19 | 155 | 172 | 1 | 1 | 7 | 31 | 32 | — | 1 | 3 | 11 | 14 |
| Wyoming§ | — | 1 | 6 | 43 | 43 | — | 0 | 2 | 5 | 10 | — | 0 | 1 | — | 3 |
| **Pacific** | 123 | 125 | 537 | 3,297 | 2,678 | 9 | 9 | 31 | 198 | 169 | 17 | 29 | 82 | 634 | 756 |
| Alaska | — | 2 | 9 | 67 | 27 | — | 0 | 1 | — | 4 | — | 0 | 1 | 3 | — |
| California | 96 | 95 | 516 | 2,524 | 1,928 | 5 | 5 | 15 | 123 | 88 | 15 | 25 | 75 | 512 | 652 |
| Hawaii | 2 | 5 | 13 | 138 | 145 | — | 0 | 2 | 2 | 9 | — | 0 | 3 | 16 | 25 |
| Oregon§ | 1 | 7 | 20 | 214 | 243 | — | 1 | 7 | 16 | 24 | — | 1 | 10 | 20 | 39 |
| Washington | 24 | 11 | 85 | 354 | 335 | 4 | 3 | 16 | 57 | 44 | 2 | 3 | 11 | 83 | 40 |
| American Samoa | — | 0 | 1 | — | 1 | — | 0 | 0 | — | — | — | 0 | 2 | 3 | 1 |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 0 | 2 | — | 8 | — | 0 | 0 | — | — | — | 0 | 1 | — | 14 |
| Puerto Rico | — | 13 | 40 | 185 | 351 | — | 0 | 0 | — | — | — | 0 | 4 | 5 | 12 |
| 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 2008 and 2009 are provisional.
† Includes *E. coli* O157:H7; Shiga toxin-positive, serogroup non-O157; and Shiga toxin-positive, not serogrouped.
§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

**TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 1, 2009, and July 26, 2008 (30th week)***

| Reporting area | Streptococcal diseases, invasive, group A | | | | | *Streptococcus pneumoniae*, 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** | 39 | 102 | 239 | 3,532 | 3,715 | 9 | 35 | 122 | 1,066 | 1,127 |
| **New England** | — | 5 | 28 | 178 | 279 | — | 1 | 12 | 26 | 56 |
| Connecticut | — | 0 | 21 | 53 | 78 | — | 0 | 11 | — | — |
| Maine§ | — | 0 | 2 | 13 | 20 | — | 0 | 1 | 2 | 1 |
| Massachusetts | — | 2 | 10 | 60 | 132 | — | 1 | 2 | 15 | 42 |
| New Hampshire | — | 1 | 4 | 30 | 17 | — | 0 | 2 | 7 | 7 |
| Rhode Island§ | — | 0 | 2 | 9 | 20 | — | 0 | 2 | — | 6 |
| Vermont§ | — | 0 | 3 | 13 | 12 | — | 0 | 1 | 2 | — |
| **Mid. Atlantic** | 6 | 19 | 42 | 716 | 772 | 3 | 5 | 33 | 162 | 144 |
| New Jersey | — | 2 | 6 | 83 | 142 | — | 1 | 4 | 28 | 42 |
| New York (Upstate) | 2 | 7 | 25 | 241 | 245 | 3 | 2 | 17 | 76 | 65 |
| New York City | — | 4 | 12 | 139 | 141 | — | 0 | 31 | 58 | 37 |
| Pennsylvania | 4 | 6 | 18 | 253 | 244 | N | 0 | 2 | N | N |
| **E.N. Central** | 4 | 17 | 42 | 741 | 733 | 1 | 6 | 18 | 167 | 205 |
| Illinois | — | 5 | 12 | 181 | 198 | — | 1 | 5 | 19 | 60 |
| Indiana | — | 3 | 23 | 184 | 96 | — | 0 | 13 | 32 | 21 |
| Michigan | 1 | 3 | 11 | 109 | 125 | — | 1 | 5 | 44 | 54 |
| Ohio | 3 | 4 | 13 | 170 | 201 | — | 1 | 6 | 48 | 36 |
| Wisconsin | — | 2 | 10 | 97 | 113 | 1 | 1 | 4 | 24 | 34 |
| **W.N. Central** | 8 | 6 | 37 | 290 | 272 | — | 2 | 11 | 91 | 56 |
| Iowa | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Kansas | — | 1 | 5 | 37 | 32 | N | 0 | 1 | N | N |
| Minnesota | 7 | 0 | 34 | 125 | 127 | — | 0 | 10 | 50 | 13 |
| Missouri | — | 2 | 8 | 65 | 64 | — | 0 | 4 | 27 | 26 |
| Nebraska§ | — | 1 | 3 | 32 | 25 | — | 0 | 1 | 5 | 6 |
| North Dakota | — | 0 | 4 | 11 | 8 | — | 0 | 3 | 4 | 5 |
| South Dakota | 1 | 0 | 3 | 20 | 16 | — | 0 | 2 | 5 | 6 |
| **S. Atlantic** | 15 | 22 | 47 | 774 | 739 | 1 | 6 | 16 | 206 | 217 |
| Delaware | — | 0 | 1 | 9 | 6 | — | 0 | 0 | — | — |
| District of Columbia | — | 0 | 2 | — | 8 | N | 0 | 0 | N | N |
| Florida | 6 | 6 | 12 | 185 | 167 | — | 1 | 6 | 48 | 39 |
| Georgia | 4 | 5 | 13 | 184 | 168 | 1 | 2 | 6 | 50 | 58 |
| Maryland§ | 1 | 3 | 12 | 122 | 134 | — | 1 | 4 | 45 | 43 |
| North Carolina | 3 | 2 | 12 | 79 | 93 | N | 0 | 0 | N | N |
| South Carolina§ | — | 2 | 5 | 49 | 42 | — | 1 | 6 | 33 | 37 |
| Virginia§ | — | 3 | 9 | 116 | 93 | — | 0 | 4 | 18 | 35 |
| West Virginia | 1 | 1 | 4 | 30 | 28 | — | 0 | 3 | 12 | 5 |
| **E.S. Central** | 1 | 4 | 10 | 135 | 125 | — | 1 | 6 | 42 | 59 |
| Alabama§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| Kentucky | — | 1 | 5 | 23 | 28 | N | 0 | 0 | N | N |
| Mississippi | N | 0 | 0 | N | N | — | 0 | 2 | — | 8 |
| Tennessee§ | 1 | 3 | 9 | 112 | 97 | — | 1 | 6 | 42 | 51 |
| **W.S. Central** | 2 | 9 | 79 | 290 | 316 | 3 | 6 | 46 | 182 | 173 |
| Arkansas§ | — | 0 | 2 | 13 | 7 | 1 | 0 | 4 | 19 | 10 |
| Louisiana | — | 0 | 3 | 9 | 13 | — | 0 | 3 | 13 | 10 |
| Oklahoma | — | 3 | 20 | 98 | 72 | 2 | 1 | 7 | 35 | 47 |
| Texas§ | 2 | 6 | 59 | 170 | 224 | — | 4 | 34 | 115 | 106 |
| **Mountain** | 2 | 9 | 22 | 307 | 393 | 1 | 4 | 16 | 158 | 183 |
| Arizona | 1 | 3 | 7 | 102 | 136 | 1 | 2 | 10 | 82 | 85 |
| Colorado | 1 | 3 | 9 | 103 | 100 | — | 1 | 4 | 30 | 40 |
| Idaho§ | — | 0 | 2 | 4 | 12 | — | 0 | 2 | 6 | 3 |
| Montana§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| Nevada§ | — | 0 | 1 | 5 | 6 | — | 0 | 1 | — | 3 |
| New Mexico§ | — | 2 | 7 | 52 | 97 | — | 0 | 4 | 15 | 25 |
| Utah | — | 1 | 6 | 40 | 36 | — | 0 | 5 | 25 | 26 |
| Wyoming§ | — | 0 | 1 | 1 | 6 | — | 0 | 1 | — | 1 |
| **Pacific** | 1 | 4 | 10 | 101 | 86 | — | 1 | 6 | 32 | 34 |
| Alaska | — | 1 | 4 | 27 | 19 | — | 0 | 5 | 27 | 22 |
| California | N | 0 | 0 | N | N | N | 0 | 0 | N | N |
| Hawaii | 1 | 3 | 8 | 74 | 67 | — | 0 | 2 | 5 | 12 |
| 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 2008 and 2009 are provisional.
† Includes cases of invasive pneumococcal disease, in children aged <5 years, caused by *S. pneumoniae*, which is susceptible or for which susceptibility testing is not available (NNDSS event code 11717).
§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

**TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 1, 2009, and July 26, 2008 (30th week)***

| Reporting area | *Streptococcus pneumoniae*, 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 | 61 | 276 | 1,950 | 2,074 | 2 | 9 | 21 | 296 | 309 | 121 | 262 | 452 | 7,237 | 7,159 |
| **New England** | — | 1 | 48 | 32 | 45 | — | 0 | 5 | 1 | 6 | 4 | 5 | 15 | 186 | 186 |
| Connecticut | — | 0 | 48 | — | — | — | 0 | 5 | — | — | — | 1 | 5 | 36 | 14 |
| Maine§ | — | 0 | 2 | 8 | 14 | — | 0 | 1 | — | — | — | 0 | 1 | 1 | 8 |
| Massachusetts | — | 0 | 1 | 1 | — | — | 0 | 1 | 1 | — | 4 | 4 | 11 | 129 | 137 |
| New Hampshire | — | 0 | 3 | 5 | — | — | 0 | 0 | — | — | — | 0 | 2 | 11 | 10 |
| Rhode Island§ | — | 0 | 6 | 7 | 18 | — | 0 | 1 | — | 4 | — | 0 | 5 | 9 | 12 |
| Vermont§ | — | 0 | 2 | 11 | 13 | — | 0 | 0 | — | 2 | — | 0 | 2 | — | 5 |
| **Mid. Atlantic** | — | 4 | 14 | 111 | 215 | — | 0 | 3 | 19 | 17 | 46 | 34 | 51 | 1,081 | 962 |
| New Jersey | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 4 | 13 | 133 | 120 |
| New York (Upstate) | — | 1 | 10 | 49 | 45 | — | 0 | 2 | 10 | 6 | 4 | 2 | 8 | 73 | 83 |
| New York City | — | 0 | 4 | 3 | 89 | — | 0 | 2 | — | — | 40 | 22 | 36 | 677 | 592 |
| Pennsylvania | — | 1 | 8 | 59 | 81 | — | 0 | 2 | 9 | 11 | 2 | 6 | 12 | 198 | 167 |
| **E.N. Central** | 1 | 12 | 41 | 501 | 453 | — | 1 | 8 | 67 | 61 | 13 | 24 | 44 | 583 | 648 |
| Illinois | N | 0 | 0 | N | N | N | 0 | 0 | N | N | 1 | 9 | 19 | 174 | 252 |
| Indiana | — | 4 | 32 | 225 | 158 | — | 0 | 6 | 28 | 19 | 1 | 2 | 10 | 85 | 78 |
| Michigan | — | 0 | 2 | 18 | 15 | — | 0 | 1 | 2 | 2 | 10 | 3 | 18 | 141 | 120 |
| Ohio | 1 | 7 | 18 | 258 | 280 | — | 1 | 4 | 37 | 40 | — | 6 | 15 | 157 | 169 |
| Wisconsin | — | 0 | 0 | — | — | — | 0 | 0 | — | — | 1 | 1 | 4 | 26 | 29 |
| **W.N. Central** | 1 | 2 | 161 | 90 | 148 | — | 1 | 3 | 20 | 28 | 1 | 6 | 14 | 165 | 236 |
| Iowa | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 2 | 12 | 12 |
| Kansas | — | 1 | 5 | 38 | 58 | — | 0 | 2 | 13 | 3 | 1 | 0 | 3 | 14 | 17 |
| Minnesota | — | 0 | 156 | — | 20 | — | 0 | 3 | — | 20 | — | 2 | 6 | 37 | 60 |
| Missouri | 1 | 1 | 5 | 40 | 64 | — | 0 | 1 | 5 | 2 | — | 3 | 10 | 83 | 140 |
| Nebraska§ | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 3 | 15 | 7 |
| North Dakota | — | 0 | 3 | 10 | 2 | — | 0 | 0 | — | — | — | 0 | 1 | 3 | — |
| South Dakota | — | 0 | 2 | 2 | 4 | — | 0 | 2 | 2 | 3 | — | 0 | 1 | 1 | — |
| **S. Atlantic** | 12 | 26 | 53 | 887 | 823 | 2 | 4 | 14 | 132 | 131 | 29 | 63 | 262 | 1,781 | 1,554 |
| Delaware | — | 0 | 2 | 13 | 3 | — | 0 | 0 | — | — | — | 0 | 3 | 22 | 10 |
| District of Columbia | N | 0 | 0 | N | N | N | 0 | 0 | N | N | — | 3 | 9 | 96 | 81 |
| Florida | 8 | 15 | 36 | 524 | 453 | 2 | 2 | 13 | 84 | 83 | — | 20 | 31 | 563 | 586 |
| Georgia | 4 | 8 | 25 | 268 | 282 | — | 1 | 5 | 41 | 40 | 5 | 14 | 227 | 385 | 327 |
| Maryland§ | — | 0 | 1 | 4 | 4 | — | 0 | 0 | — | 1 | 5 | 6 | 16 | 168 | 190 |
| North Carolina | N | 0 | 0 | N | N | N | 0 | 0 | N | N | 9 | 8 | 19 | 308 | 159 |
| South Carolina§ | — | 0 | 0 | — | — | — | 0 | 0 | — | — | 2 | 2 | 6 | 61 | 50 |
| Virginia§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N | 8 | 5 | 16 | 174 | 144 |
| West Virginia | — | 2 | 13 | 78 | 81 | — | 0 | 3 | 7 | 7 | — | 0 | 2 | 4 | 7 |
| **E.S. Central** | — | 5 | 25 | 186 | 229 | — | 1 | 3 | 27 | 42 | 13 | 22 | 36 | 640 | 606 |
| Alabama§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N | — | 8 | 16 | 237 | 257 |
| Kentucky | — | 1 | 5 | 51 | 56 | — | 0 | 2 | 7 | 9 | — | 1 | 10 | 31 | 49 |
| Mississippi | — | 0 | 3 | — | 27 | — | 0 | 1 | — | 8 | 8 | 3 | 18 | 122 | 81 |
| Tennessee§ | — | 3 | 23 | 135 | 146 | — | 0 | 3 | 20 | 25 | 5 | 8 | 19 | 250 | 219 |
| **W.S. Central** | — | 1 | 6 | 64 | 73 | — | 0 | 3 | 13 | 12 | 9 | 49 | 80 | 1,377 | 1,199 |
| Arkansas§ | — | 0 | 5 | 37 | 13 | — | 0 | 3 | 9 | 3 | 9 | 4 | 35 | 123 | 90 |
| Louisiana | — | 1 | 5 | 27 | 60 | — | 0 | 1 | 4 | 9 | — | 13 | 40 | 298 | 316 |
| Oklahoma | N | 0 | 0 | N | N | N | 0 | 0 | N | N | — | 1 | 7 | 33 | 45 |
| Texas§ | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 31 | 46 | 923 | 748 |
| **Mountain** | 1 | 2 | 7 | 77 | 87 | — | 0 | 3 | 16 | 11 | 3 | 8 | 18 | 167 | 379 |
| Arizona | — | 0 | 0 | — | — | — | 0 | 0 | — | — | 1 | 3 | 8 | 22 | 195 |
| Colorado | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 1 | 5 | 53 | 97 |
| Idaho§ | N | 0 | 1 | N | N | N | 0 | 1 | N | N | — | 0 | 2 | 3 | 2 |
| Montana§ | — | 0 | 1 | — | — | — | 0 | 0 | — | — | — | 0 | 7 | — | — |
| Nevada§ | 1 | 1 | 4 | 28 | 42 | — | 0 | 2 | 6 | 5 | 1 | 1 | 7 | 59 | 45 |
| New Mexico§ | — | 0 | 0 | — | — | — | 0 | 0 | — | — | 1 | 1 | 5 | 28 | 23 |
| Utah | — | 1 | 6 | 40 | 44 | — | 0 | 3 | 9 | 6 | — | 0 | 2 | — | 15 |
| Wyoming§ | — | 0 | 2 | 9 | 1 | — | 0 | 1 | 1 | — | — | 0 | 1 | 2 | 2 |
| **Pacific** | — | 0 | 1 | 2 | 1 | — | 0 | 1 | 1 | 1 | 3 | 46 | 67 | 1,257 | 1,389 |
| Alaska | — | 0 | 0 | — | — | — | 0 | 0 | — | — | — | 0 | 0 | — | 1 |
| California | N | 0 | 0 | N | N | N | 0 | 0 | N | N | 2 | 41 | 59 | 1,158 | 1,262 |
| Hawaii | — | 0 | 1 | 2 | 1 | — | 0 | 1 | 1 | 1 | — | 0 | 3 | 17 | 14 |
| Oregon§ | N | 0 | 0 | N | N | N | 0 | 0 | N | N | — | 1 | 4 | 24 | 8 |
| Washington | N | 0 | 0 | N | N | N | 0 | 0 | N | N | 1 | 2 | 9 | 58 | 104 |
| 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 | — | — | 2 | 3 | 11 | 120 | 88 |
| 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 2008 and 2009 are provisional.
† Includes cases of invasive pneumococcal disease caused by drug-resistant *S. pneumoniae* (DRSP) (NNDSS event code 11720).
§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

**TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 1, 2009, and July 26, 2008 (30th week)***

| Reporting area | Varicella (chickenpox) | | | | | West Nile virus disease† | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 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** | 49 | 490 | 1,035 | 13,741 | 19,683 | — | 1 | 75 | 23 | 116 | — | 0 | 77 | 11 | 148 |
| **New England** | 5 | 11 | 46 | 181 | 1,054 | — | 0 | 2 | — | — | — | 0 | 1 | — | 2 |
| Connecticut | — | 0 | 21 | — | 533 | — | 0 | 2 | — | — | — | 0 | 1 | — | 2 |
| Maine¶ | — | 0 | 11 | — | 166 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Massachusetts | — | 0 | 0 | — | — | — | 0 | 1 | — | — | — | 0 | 0 | — | — |
| New Hampshire | 5 | 4 | 11 | 134 | 169 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Rhode Island¶ | — | 0 | 1 | 4 | — | — | 0 | 1 | — | — | — | 0 | 0 | — | — |
| Vermont¶ | — | 3 | 17 | 43 | 186 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| **Mid. Atlantic** | 5 | 38 | 58 | 977 | 1,559 | — | 0 | 8 | 1 | 3 | — | 0 | 4 | — | — |
| New Jersey | N | 0 | 0 | N | N | — | 0 | 2 | — | — | — | 0 | 1 | — | — |
| New York (Upstate) | N | 0 | 0 | N | N | — | 0 | 5 | 1 | 1 | — | 0 | 2 | — | — |
| New York City | — | 0 | 0 | — | — | — | 0 | 2 | — | 1 | — | 0 | 2 | — | — |
| Pennsylvania | 5 | 38 | 58 | 977 | 1,559 | — | 0 | 2 | — | 1 | — | 0 | 1 | — | — |
| **E.N. Central** | 9 | 157 | 254 | 4,194 | 4,795 | — | 0 | 8 | — | 3 | — | 0 | 3 | — | 3 |
| Illinois | — | 33 | 73 | 835 | 665 | — | 0 | 4 | — | 1 | — | 0 | 2 | — | 2 |
| Indiana | — | 0 | 35 | 332 | — | — | 0 | 1 | — | 1 | — | 0 | 1 | — | — |
| Michigan | 6 | 48 | 90 | 1,282 | 2,041 | — | 0 | 4 | — | — | — | 0 | 2 | — | — |
| Ohio | 3 | 42 | 91 | 1,373 | 1,545 | — | 0 | 3 | — | 1 | — | 0 | 1 | — | — |
| Wisconsin | — | 13 | 55 | 372 | 544 | — | 0 | 2 | — | — | — | 0 | 1 | — | 1 |
| **W.N. Central** | 4 | 22 | 114 | 648 | 780 | — | 0 | 6 | 2 | 10 | — | 0 | 21 | 3 | 34 |
| Iowa | N | 0 | 0 | N | N | — | 0 | 1 | — | 2 | — | 0 | 1 | — | 1 |
| Kansas | — | 6 | 22 | 176 | 307 | — | 0 | 2 | — | 4 | — | 0 | 3 | — | 6 |
| Minnesota | — | 0 | 0 | — | — | — | 0 | 2 | 1 | — | — | 0 | 2 | — | 5 |
| Missouri | 4 | 10 | 51 | 417 | 445 | — | 0 | 3 | — | 1 | — | 0 | 1 | — | — |
| Nebraska¶ | N | 0 | 0 | N | N | — | 0 | 1 | — | 1 | — | 0 | 6 | 1 | 5 |
| North Dakota | — | 0 | 108 | 55 | — | — | 0 | 2 | — | — | — | 0 | 11 | — | 10 |
| South Dakota | — | 0 | 4 | — | 28 | — | 0 | 5 | 1 | 2 | — | 0 | 6 | 2 | 7 |
| **S. Atlantic** | 22 | 56 | 146 | 1,362 | 3,161 | — | 0 | 4 | — | 3 | — | 0 | 4 | — | 1 |
| Delaware | — | 0 | 4 | 8 | 26 | — | 0 | 0 | — | — | — | 0 | 1 | — | — |
| District of Columbia | — | 0 | 3 | — | 18 | — | 0 | 2 | — | — | — | 0 | 1 | — | — |
| Florida | 11 | 28 | 67 | 897 | 1,128 | — | 0 | 2 | — | — | — | 0 | 0 | — | — |
| Georgia | N | 0 | 0 | N | N | — | 0 | 1 | — | — | — | 0 | 1 | — | 1 |
| Maryland¶ | N | 0 | 0 | N | N | — | 0 | 2 | — | 1 | — | 0 | 3 | — | — |
| North Carolina | N | 0 | 0 | N | N | — | 0 | 1 | — | 1 | — | 0 | 1 | — | — |
| South Carolina¶ | — | 4 | 54 | 154 | 570 | — | 0 | 0 | — | — | — | 0 | 1 | — | — |
| Virginia¶ | — | 3 | 119 | 28 | 968 | — | 0 | 0 | — | — | — | 0 | 1 | — | — |
| West Virginia | 11 | 9 | 32 | 275 | 451 | — | 0 | 0 | — | 1 | — | 0 | 0 | — | — |
| **E.S. Central** | — | 14 | 28 | 372 | 827 | — | 0 | 7 | 6 | 10 | — | 0 | 7 | — | 20 |
| Alabama¶ | — | 14 | 28 | 370 | 817 | — | 0 | 3 | — | — | — | 0 | 2 | — | 1 |
| Kentucky | N | 0 | 0 | N | N | — | 0 | 1 | — | — | — | 0 | 0 | — | — |
| Mississippi | — | 0 | 1 | 2 | 10 | — | 0 | 4 | 5 | 6 | — | 0 | 7 | — | 15 |
| Tennessee¶ | N | 0 | 0 | N | N | — | 0 | 2 | 1 | 4 | — | 0 | 3 | — | 4 |
| **W.S. Central** | — | 122 | 747 | 4,988 | 5,992 | — | 0 | 8 | 3 | 17 | — | 0 | 6 | — | 21 |
| Arkansas¶ | — | 4 | 47 | 96 | 466 | — | 0 | 1 | 1 | 4 | — | 0 | 1 | — | 1 |
| Louisiana | — | 1 | 6 | 55 | 52 | — | 0 | 3 | — | 2 | — | 0 | 5 | — | 6 |
| Oklahoma | N | 0 | 0 | N | N | — | 0 | 1 | — | 2 | — | 0 | 1 | — | 4 |
| Texas¶ | — | 115 | 721 | 4,837 | 5,474 | — | 0 | 6 | 2 | 9 | — | 0 | 4 | — | 10 |
| **Mountain** | 4 | 33 | 83 | 914 | 1,435 | — | 0 | 12 | 8 | 11 | — | 0 | 22 | 6 | 39 |
| Arizona | — | 0 | 0 | — | — | — | 0 | 10 | 4 | 5 | — | 0 | 8 | 1 | 1 |
| Colorado | 4 | 13 | 44 | 345 | 573 | — | 0 | 4 | — | 2 | — | 0 | 10 | 2 | 16 |
| Idaho¶ | N | 0 | 0 | N | N | — | 0 | 1 | 1 | 2 | — | 0 | 6 | — | 12 |
| Montana¶ | — | 2 | 20 | 105 | 216 | — | 0 | 1 | 1 | — | — | 0 | 2 | — | — |
| Nevada¶ | N | 0 | 0 | N | N | — | 0 | 2 | 2 | 2 | — | 0 | 3 | 3 | 2 |
| New Mexico¶ | — | 3 | 20 | 134 | 152 | — | 0 | 1 | — | — | — | 0 | 1 | — | — |
| Utah | — | 12 | 31 | 330 | 484 | — | 0 | 2 | — | — | — | 0 | 5 | — | 6 |
| Wyoming¶ | — | 0 | 1 | — | 10 | — | 0 | 0 | — | — | — | 0 | 2 | — | 2 |
| **Pacific** | — | 3 | 12 | 105 | 80 | — | 0 | 38 | 3 | 59 | — | 0 | 23 | 2 | 28 |
| Alaska | — | 2 | 11 | 83 | 39 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| California | — | 0 | 0 | — | — | — | 0 | 37 | 3 | 59 | — | 0 | 20 | 2 | 26 |
| Hawaii | — | 1 | 4 | 22 | 41 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Oregon¶ | N | 0 | 0 | N | N | — | 0 | 2 | — | — | — | 0 | 4 | — | 2 |
| Washington | N | 0 | 0 | N | N | — | 0 | 1 | — | — | — | 0 | 1 | — | — |
| American Samoa | N | 0 | 0 | N | N | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| C.N.M.I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Guam | — | 1 | 3 | — | 55 | — | 0 | 0 | — | — | — | 0 | 0 | — | — |
| Puerto Rico | — | 9 | 23 | 274 | 380 | — | 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 2008 and 2009 are 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 August 1, 2009 (30th week)**

| Reporting area | All causes, by age (years) | | | | | | P&I† Total |
|---|---|---|---|---|---|---|---|
| | All Ages | ≥65 | 45–64 | 25–44 | 1–24 | <1 | |
| **New England** | 435 | 299 | 91 | 26 | 10 | 9 | 34 |
| Boston, MA | 123 | 69 | 34 | 10 | 5 | 5 | 14 |
| Bridgeport, CT | 31 | 24 | 5 | 1 | 1 | — | — |
| Cambridge, MA | 19 | 14 | 3 | 1 | — | 1 | 4 |
| Fall River, MA | 22 | 18 | 4 | — | — | — | 2 |
| Hartford, CT | 51 | 34 | 13 | 1 | 3 | — | 4 |
| Lowell, MA | 15 | 14 | 1 | — | — | — | 1 |
| Lynn, MA | 6 | 4 | 1 | 1 | — | — | — |
| New Bedford, MA | 25 | 18 | 4 | 3 | — | — | 1 |
| New Haven, CT | U | U | U | U | U | U | U |
| Providence, RI | 57 | 44 | 10 | 3 | — | — | 2 |
| Somerville, MA | 2 | 2 | — | — | — | — | — |
| Springfield, MA | 31 | 22 | 5 | 1 | 1 | 2 | 1 |
| Waterbury, CT | 16 | 12 | 2 | 2 | — | — | 2 |
| Worcester, MA | 37 | 24 | 9 | 3 | — | 1 | 3 |
| **Mid. Atlantic** | 2,214 | 1,446 | 551 | 123 | 53 | 41 | 107 |
| Albany, NY | 53 | 36 | 14 | 2 | — | 1 | 3 |
| Allentown, PA | 24 | 18 | 5 | — | 1 | — | — |
| Buffalo, NY | 73 | 46 | 21 | 3 | 1 | 2 | 7 |
| Camden, NJ | 36 | 18 | 11 | 2 | 4 | 1 | — |
| Elizabeth, NJ | 13 | 10 | 2 | 1 | — | — | 1 |
| Erie, PA | 41 | 23 | 11 | 5 | 1 | 1 | 1 |
| Jersey City, NJ | 9 | 5 | 4 | — | — | — | 2 |
| New York City, NY | 1,025 | 679 | 249 | 55 | 24 | 18 | 37 |
| Newark, NJ | 27 | 19 | 6 | 1 | — | 1 | 1 |
| Paterson, NJ | 10 | 4 | 6 | — | — | — | 1 |
| Philadelphia, PA | 564 | 337 | 162 | 36 | 16 | 13 | 28 |
| Pittsburgh, PA§ | 26 | 21 | 3 | 2 | — | — | 3 |
| Reading, PA | 25 | 17 | 6 | 1 | 1 | — | 3 |
| Rochester, NY | 102 | 78 | 15 | 6 | 2 | 1 | 5 |
| Schenectady, NY | 17 | 13 | 2 | 2 | — | — | 1 |
| Scranton, PA | 22 | 15 | 3 | 2 | 1 | 1 | 1 |
| Syracuse, NY | 87 | 66 | 15 | 2 | 2 | 2 | 8 |
| Trenton, NJ | 22 | 12 | 9 | 1 | — | — | 2 |
| Utica, NY | 16 | 11 | 4 | 1 | — | — | 1 |
| Yonkers, NY | 22 | 18 | 3 | 1 | — | — | 2 |
| **E.N. Central** | 1,840 | 1,191 | 441 | 94 | 56 | 55 | 104 |
| Akron, OH | 36 | 26 | 8 | — | — | 2 | — |
| Canton, OH | 24 | 21 | 3 | — | — | — | 1 |
| Chicago, IL | 328 | 171 | 104 | 20 | 15 | 15 | 33 |
| Cincinnati, OH | 71 | 44 | 19 | 2 | 1 | 5 | 9 |
| Cleveland, OH | 221 | 159 | 47 | 6 | 4 | 5 | 3 |
| Columbus, OH | 175 | 127 | 32 | 11 | 2 | 3 | 13 |
| Dayton, OH | 105 | 66 | 30 | 6 | 3 | — | 2 |
| Detroit, MI | 166 | 84 | 47 | 14 | 14 | 7 | 7 |
| Evansville, IN | 35 | 28 | 5 | 1 | 1 | — | 2 |
| Fort Wayne, IN | 70 | 54 | 10 | 3 | 1 | 2 | — |
| Gary, IN | 13 | 11 | — | — | 1 | 1 | — |
| Grand Rapids, MI | 48 | 38 | 8 | 2 | — | — | — |
| Indianapolis, IN | 186 | 102 | 57 | 12 | 5 | 10 | 15 |
| Lansing, MI | 37 | 29 | 5 | 3 | — | — | 3 |
| Milwaukee, WI | 72 | 46 | 17 | 4 | 3 | 2 | 2 |
| Peoria, IL | 41 | 32 | 8 | — | 1 | — | 4 |
| Rockford, IL | 43 | 32 | 7 | 2 | 2 | — | 2 |
| South Bend, IN | 47 | 35 | 8 | 3 | 1 | — | 3 |
| Toledo, OH | 75 | 50 | 18 | 3 | 1 | 3 | 3 |
| Youngstown, OH | 47 | 36 | 8 | 2 | 1 | — | 2 |
| **W.N. Central** | 488 | 304 | 124 | 33 | 16 | 11 | 37 |
| Des Moines, IA | U | U | U | U | U | U | U |
| Duluth, MN | 34 | 25 | 8 | 1 | — | — | — |
| Kansas City, KS | 14 | 7 | 6 | 1 | — | — | — |
| Kansas City, MO | 98 | 61 | 29 | 3 | 2 | 3 | 6 |
| Lincoln, NE | 44 | 34 | 6 | 2 | 2 | — | 3 |
| Minneapolis, MN | 53 | 32 | 14 | 3 | 2 | 2 | 7 |
| Omaha, NE | 90 | 59 | 22 | 4 | 1 | 4 | 7 |
| St. Louis, MO | 37 | 18 | 13 | 5 | 1 | — | 5 |
| St. Paul, MN | 59 | 33 | 14 | 7 | 4 | 1 | 9 |
| Wichita, KS | 59 | 35 | 12 | 7 | 4 | 1 | — |
| **S. Atlantic** | 1,133 | 650 | 321 | 93 | 35 | 34 | 71 |
| Atlanta, GA | 112 | 47 | 42 | 10 | 4 | 9 | 5 |
| Baltimore, MD | 146 | 74 | 47 | 15 | 3 | 7 | 12 |
| Charlotte, NC | 130 | 84 | 36 | 8 | 1 | 1 | 10 |
| Jacksonville, FL | 171 | 103 | 46 | 13 | 5 | 4 | 7 |
| Miami, FL | 90 | 52 | 23 | 9 | 4 | 2 | 7 |
| Norfolk, VA | 44 | 24 | 11 | 4 | 3 | 2 | 2 |
| Richmond, VA | 59 | 26 | 23 | 5 | 3 | 2 | 5 |
| Savannah, GA | 48 | 29 | 14 | 1 | 1 | 3 | 4 |
| St. Petersburg, FL | 58 | 34 | 17 | 4 | 2 | 1 | 6 |
| Tampa, FL | 206 | 136 | 42 | 20 | 5 | 3 | 11 |
| Washington, D.C. | 60 | 36 | 18 | 2 | 4 | — | 1 |
| Wilmington, DE | 9 | 5 | 2 | 2 | — | — | 1 |
| **E.S. Central** | 847 | 518 | 232 | 61 | 16 | 20 | 59 |
| Birmingham, AL | 182 | 116 | 43 | 14 | 3 | 6 | 9 |
| Chattanooga, TN | 77 | 50 | 21 | 5 | — | 1 | 3 |
| Knoxville, TN | 76 | 48 | 19 | 6 | — | 3 | 10 |
| Lexington, KY | 48 | 27 | 19 | 2 | — | — | 5 |
| Memphis, TN | 162 | 94 | 42 | 15 | 5 | 6 | 17 |
| Mobile, AL | 116 | 68 | 38 | 7 | 3 | — | 4 |
| Montgomery, AL | 53 | 29 | 18 | 6 | — | — | 3 |
| Nashville, TN | 133 | 86 | 32 | 6 | 5 | 4 | 8 |
| **W.S. Central** | 1,447 | 883 | 381 | 97 | 42 | 44 | 57 |
| Austin, TX | 80 | 49 | 19 | 6 | 3 | 3 | 4 |
| Baton Rouge, LA | 67 | 42 | 15 | 7 | — | 3 | — |
| Corpus Christi, TX | 63 | 46 | 13 | — | 2 | 2 | 2 |
| Dallas, TX | 182 | 99 | 53 | 15 | 8 | 7 | 9 |
| El Paso, TX | 95 | 53 | 28 | 7 | 3 | 4 | 2 |
| Fort Worth, TX | U | U | U | U | U | U | U |
| Houston, TX | 418 | 246 | 107 | 28 | 20 | 17 | 12 |
| Little Rock, AR | 74 | 46 | 22 | 3 | 2 | 1 | 3 |
| New Orleans, LA | U | U | U | U | U | U | U |
| San Antonio, TX | 237 | 148 | 68 | 16 | 1 | 4 | 10 |
| Shreveport, LA | 79 | 50 | 23 | 2 | 2 | 2 | 6 |
| Tulsa, OK | 152 | 104 | 33 | 13 | 1 | 1 | 9 |
| **Mountain** | 1,051 | 704 | 213 | 80 | 31 | 23 | 47 |
| Albuquerque, NM | 112 | 75 | 25 | 7 | 3 | 2 | 4 |
| Boise, ID | 52 | 39 | 5 | 6 | 1 | 1 | 3 |
| Colorado Springs, CO | 60 | 41 | 9 | 5 | 3 | 2 | 1 |
| Denver, CO | 68 | 42 | 17 | 7 | 1 | 1 | 5 |
| Las Vegas, NV | 263 | 184 | 62 | 15 | 1 | 1 | 14 |
| Ogden, UT | 56 | 39 | 12 | 4 | — | 1 | 5 |
| Phoenix, AZ | 171 | 98 | 37 | 16 | 11 | 9 | 5 |
| Pueblo, CO | 25 | 18 | 6 | — | 1 | — | 1 |
| Salt Lake City, UT | 136 | 85 | 28 | 12 | 7 | 4 | 7 |
| Tucson, AZ | 108 | 83 | 12 | 8 | 3 | 2 | 2 |
| **Pacific** | 1,557 | 990 | 381 | 118 | 39 | 29 | 135 |
| Berkeley, CA | 12 | 8 | 3 | 1 | — | — | 3 |
| Fresno, CA | 130 | 87 | 30 | 7 | 3 | 3 | 11 |
| Glendale, CA | 29 | 25 | 2 | 2 | — | — | 6 |
| Honolulu, HI | 76 | 51 | 17 | 5 | 1 | 2 | 5 |
| Long Beach, CA | 45 | 24 | 15 | 3 | 3 | — | 6 |
| Los Angeles, CA | 259 | 156 | 62 | 26 | 8 | 7 | 33 |
| Pasadena, CA | 18 | 12 | 2 | — | 3 | 1 | 1 |
| Portland, OR | 112 | 80 | 25 | 6 | — | 1 | 5 |
| Sacramento, CA | 203 | 137 | 44 | 13 | 7 | 2 | 18 |
| San Diego, CA | 130 | 86 | 35 | 6 | 1 | 2 | 8 |
| San Francisco, CA | 106 | 58 | 32 | 12 | 1 | 3 | 14 |
| San Jose, CA | 165 | 109 | 39 | 8 | 5 | 4 | 13 |
| Santa Cruz, CA | 32 | 20 | 6 | 5 | 1 | — | 3 |
| Seattle, WA | 113 | 58 | 35 | 14 | 3 | 3 | 5 |
| Spokane, WA | 49 | 29 | 15 | 3 | 1 | 1 | 2 |
| Tacoma, WA | 78 | 50 | 19 | 7 | 2 | — | 2 |
| **Total¶** | **11,012** | **6,985** | **2,735** | **725** | **298** | **266** | **651** |

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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