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World Kidney Day — March 8, 2007

March 8 marks the second observance of World Kidney Day, which was established by the International Federation of Kidney Foundations to increase awareness of kidney disease and educate persons at risk regarding the importance of prevention and early detection. During 1988–1994, an estimated 20 million persons in the United States had chronic kidney disease (CKD) (1). CKD is caused primarily by diabetes and high blood pressure (2), and persons with a family history of kidney disease also are at risk (3). In addition, persons with CKD are at increased risk for cardiovascular disease and are more likely to die from cardiovascular disease than progress to kidney failure (4).

Throughout March (National Kidney Month), MMWR will publish reports related to CKD and its complications. Additional information regarding kidney disease is available from the National Institutes of Health at http://www.nkdep.nih.gov. Information regarding World Kidney Day activities is available from the National Kidney Foundation at http://www.kidney.org.

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Prevalence of Chronic Kidney Disease and Associated Risk Factors — United States, 1999–2004

Chronic kidney disease (CKD) is a serious condition associated with premature mortality, decreased quality of life, and increased health-care expenditures. Untreated CKD can result in end-stage renal disease and necessitate dialysis or kidney transplantation. Risk factors for CKD include cardiovascular disease, diabetes, hypertension, and obesity (1–3). To estimate the prevalence of CKD in the United States (overall and by health risk factors and other characteristics), CDC analyzed the most recent data from the National Health and Nutrition Examination Survey (NHANES). This report summarizes the results of that analysis, which determined that 16.8% of the U.S. population aged ≥20 years had CKD, according to 1999–2004 NHANES data, compared with 14.5% from the 1988–1994 NHANES (i.e., NHANES III),

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an increase of 15.9% based on crude estimates of prevalence* (4). Persons with diabetes or cardiovascular disease had a greater prevalence of CKD than persons without those conditions. The results underscore the need to continue surveillance for CKD and its risk factors in the United States and to implement new strategies to reduce the number of persons with this condition.

NHANES is a continuous survey of the health and nutritional status of the U.S. civilian, noninstitutionalized population; samples of participants are selected through a complex, multistage probability design. NHANES collects data through interviews in participants' homes and medical examinations conducted in a mobile examination center. † Although data are collected continuously, they are released in 2-year increments. The analyses in this report use combined NHANES data from three survey periods: 1999–2000, 2001–2002, and 2003–2004.

The NHANES examination includes measurement of serum creatinine and urine albumin and creatinine from a single spot urine test. For this study, kidney damage (stages 1 and 2 only) was suggested by the presence of albuminuria (i.e., abnormal amounts of urine albumin assessed by the urine albumin to urine creatinine ratio [ACR]). Persons with apparent kidney damage included those with microalbuminuria (ACR of 17–250 mg/g for men or 25–355 mg/g for women) or macroalbuminuria (ACR of >250 mg/g for men or >355 mg/g for women). Level of kidney function was estimated from the glomerular filtration rate (GFR), with lower values corresponding to diminished kidney function. CKD prevalence was estimated from apparent kidney damage and kidney function and categorized into stages, with increasing stage numbers corresponding to increased severity,

^{*}To enable comparison of CKD prevalence from 1999–2004 NHANES with that from NHANES III (1988–1994), data from the older report were recalculated using 1999–2004 NHANES criteria, resulting in an estimated CKD prevalence of 14.5% for adults aged ≥20 years. The new criteria called for a single spot urine test to determine albuminuria (i.e., apparent kidney damage) instead of two tests (i.e., an initial test and a confirming test), which were conducted for some participants in NHANES III. For participants in NHANES III who had received two tests, the initial urine test was used in the recalculation. Initial analyses of NHANES data, using two tests, had resulted in an estimated CKD prevalence of 11.0% for adults aged ≥20 years. Comparison of crude estimates for CKD overall is presented because NHANES III data were not age standardized.

[†] Additional NHANES information is available at http://www.cdc.gov/nchs/

[§] Stages 1 and 2 refer to CKD indicators, rather than actual CKD, because persistent albuminuria assessed from two urine samples is required to confirm the presence of kidney damage, whereas one sample suggests that kidney damage is likely present.

according to the National Kidney Foundation classification system (2,5).

CKD prevalence estimates were calculated by demographic characteristics (i.e., age group, sex, race/ethnicity, and education level) and by CKD risk factors: diagnosed diabetes, diagnosed cardiovascular disease, hypertension,** and body mass index group.†† Diabetes was defined as self-report of diagnosis by a doctor or other health professional. Cardiovascular disease was defined as self-report of diagnosis by a doctor or other health professional of congestive heart failure, coronary heart disease, angina, stroke, or heart attack.

Data were analyzed using sample weights to account for differential probabilities of sample selection, nonresponse, and sample noncoverage. Estimates by demographic characteristic and risk factor were age standardized to the 2000 U.S. standard population aged \geq 20 years. Two sample t tests were used to test the statistical significance (p<0.05) of differences in CKD prevalence (all stages) between population subgroups.

The total crude (i.e., not age-standardized) CKD prevalence estimate for adults aged ≥20 years in the United States was 16.8%. By disease stage, the prevalences were as follows: stage 1, 5.7%; stage 2, 5.4%; stage 3, 5.4%; stages 4/5, 0.4% (Table). By age group, CKD (all stages) was more prevalent among persons aged ≥60 years (39.4%) than among persons aged 40–59 years (12.6%) or 20–39 years (8.5%). By education level, CKD (all stages) was more prevalent among persons with less than a high school education (22.1%) than persons with at least a high school education (15.7%). CKD prevalence also was greater among persons with diabetes than among those without diabetes (40.2% versus 15.4%), among persons with cardiovascular disease than among those

without cardiovascular disease (28.2% versus 15.4%), and among persons with hypertension than among those without hypertension (24.6% versus 12.5%). In addition, CKD prevalence was greater among non-Hispanic blacks (19.9%) and Mexican Americans (18.7%) than among non-Hispanic whites (16.1%). This racial/ethnic disparity was most pronounced among participants with stage 1 CKD. In that group, Mexican Americans had a prevalence of 10.2% and non-Hispanic blacks had a prevalence of 9.4%, compared with 4.2% for non-Hispanic whites.

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Editorial Note: This report provides the most current nationally representative estimates of CKD in the U.S. population. The findings indicate that CKD affected an estimated 16.8% of adults aged \geq 20 years during 1999–2004, an increase from the recalculated NHANES III (1988–1994) estimate of 14.5%. Persons with CKD have high rates of morbidity, mortality, and health-care utilization (6,7). The findings in this report suggest that CKD is a growing health problem in the United States.

CKD prevalence was greater among older persons and among persons with diabetes, cardiovascular disease, and hypertension than among persons without these conditions, supporting previous findings (2,6). Mexican Americans and non-Hispanic blacks had greater prevalence of CKD than non-Hispanic whites. The large disparity in prevalence among those with stage 1 CKD might be explained, in part, by racial/ethnic differences in microalbuminuria among non-Hispanic blacks and Mexican Americans (8).

Activities aimed at preventing CKD or its progression can decrease prevalence of the most severe form of CKD, stage 5 (i.e., end-stage renal disease), which is associated with increased morbidity and mortality and diminished health-related quality of life (1). Both the incidence and prevalence of end-stage renal disease have increased during the past 30 years and are expected to continue increasing through 2010 (1,9). Treatments such as control of high blood pressure in the early stages of CKD can prevent progression to end-stage renal disease (2).

The findings in this report are subject to at least four limitations. First, albuminuria was used to determine kidney damage for categorizing persons as having stage 1 and stage 2 CKD, but albuminuria is not the only marker for kidney damage.

[§] Stage 1: GFR ≥90 mL/min/1.73m² with kidney damage (i.e., presence of albuminuria); Stage 2: GFR 60–89 mL/min/1.73 m² with kidney damage; Stage 3: GFR 30–59 mL/min/1.73 m²; Stage 4: GFR 15–29 mL/min/1.73 m²; and Stage 5: GFR <15 mL/min/1.73 m². Notes: GFR = 186.0 × (serum creatinine) -1.154 × age-0.203 × (0.742 if female) × (1.21 if black). An alternate method was developed recently that can provide more accurate GFR estimates and will be used in future estimates, when possible. Additional information is available at http://www.nkdep.nih.gov/resources/laboratory_reporting.htm#fn4e. Serum creatinine measures for 1999–2000 NHANES data, as recommended by NHANES, were standardized as follows: 1.013 × NHANES creatinine + 0.147. In addition, creatinine measures were standardized for NHANES III (1988–1994) data as follows: 0.960 × NHANES III creatinine – 0.184. Additional information is available at http://www.cdc.gov/nchs/data/nhanes/frequency/lab18_doc.pdf.</p>

^{**} Systolic blood pressure ≥140 mm Hg, diastolic blood pressure ≥90 mm Hg, or reported current use of a prescription medication for hypertension.

^{††} Body mass index = weight (kg) / height (m²). Normal = 18.5 - 24.9, overweight = 25.0 - 29.9, and obese = ≥ 30.0 .

TABLE. Prevalence of chronic kidney disease among adults aged ≥20 years, by disease stage* and selected characteristics — National Health and Nutrition Examination Survey, United States, 1999–2004

| | | - | All stages | S | tage 1 [†] | S | tage 2 [†] | St | age 3 | Sta | ages 4/5 |
|-----------------------------------|---------------------|------|---|------|---------------------|------|---------------------|------|-------------|-----|------------------------|
| Characteristic | No. in sample | % | (95% CI§) | % | (95% CI) | % | (95% CI) | % | (95% CI) | % | (95% CI)) |
| Total (not age standardized) | 12,785 [¶] | 16.8 | (15.9–17.7) | 5.7 | (5.1–6.3) | 5.4 | (4.8–6.0) | 5.4 | (4.9–5.9) | 0.4 | (0.3–0.5) |
| Age group (yrs) | | | | | | | | | | | |
| 20–39 | 4,565 | 8.5 | (7.3-9.8)** | 5.9 | (5.0-6.9) | 2.2 | (1.7-2.7) | 0.3 | (0.2-0.6) | 0.1 | (0.1-0.3) |
| 40-59 | 3,848 | 12.6 | (11.3-13.9)** | 5.8 | (4.8-7.0) | 4.4 | (3.6-5.5) | 2.1 | (1.6–2.8) | 0.2 | (0.1-0.4) |
| ≥60 (referent) | 4,372 | 39.4 | (37.5-41.2) | 5.0 | (4.1-6.1) | 12.8 | (11.3-14.5) | 20.3 | (18.6–22.0) | 1.3 | (1.0-1.7) |
| Sex ^{††} | | | | | | | | | | | |
| Male | 6,080 | 17.6 | (16.6-18.7) | 6.3 | (5.6-7.1) | 6.4 | (5.6-7.2) | 4.5 | (4.0-5.1) | 0.4 | (0.3-0.6) |
| Female | 6,705 | 16.7 | (15.7–17.8) | 5.1 | (4.4–5.8) | 4.7 | (4.0–5.6) | 6.5 | (5.9–7.1) | 0.4 | (0.3–0.6) |
| Race/Ethnicity ^{†† §§} | • | | , | | , , | | , | | , | | , |
| White, non-Hispanic | | | | | | | | | | | |
| (referent) | 6,449 | 16.1 | (15.2-17.1) | 4.2 | (3.7-4.9) | 5.8 | (5.0-6.6) | 5.8 | (5.3-6.4) | 0.3 | (0.2-0.5) |
| Black, non-Hispanic | 2,369 | 19.9 | (18.2–21.8)** | 9.4 | (8.0–10.9) | 4.8 | (3.9–5.7) | 4.7 | (4.0–5.6) | 1.1 | (0.7-1.6) |
| Mexican-American | 2,934 | 18.7 | (17.2–20.2) ^{¶¶} | 10.2 | (8.9–11.6) | 5.0 | (4.2–5.8) | 2.9 | (2.3–3.6) | 0.7 | (0.5–1.0) |
| Education ^{††} | , | | , | | (, | | (/ | | (/ | | (/ |
| Less than high school | 4,127 | 22.1 | (20.6-23.6)** | 9.0 | (7.8-10.4) | 6.1 | (5.2-7.0) | 6.5 | (5.8-7.3) | 0.5 | (0.4-0.8) |
| High school graduate/ | ., | | (2010 2010) | 0.0 | (/// | 0 | (0.2 7.0) | 0.0 | (0.0 7.0) | 0.0 | (0 0.0) |
| General Education | | | | | | | | | | | |
| Diploma or higher | 8,637 | 15.7 | (14.8-16.7) | 4.8 | (4.2-7.0) | 4.9 | (4.3-5.6) | 5.7 | (4.7-5.9) | 0.4 | (0.3-0.5) |
| Diagnosed diabetes†† | • | | , | | , | | , | | , | | , |
| Yes | 1,228 | 40.2 | (34.8-45.8)** | 19.5 | (15.3–24.5) | 11.4 | (8.4–15.2) | 8.2 | (6.9–9.8) | 1.0 | (0.7-1.7) |
| No | 11,374 | 15.4 | (14.4–16.4) | 4.9 | (4.3–5.5) | 5.1 | (4.4–5.8) | 5.2 | (4.7–5.8) | 0.3 | (0.2–0.4) |
| Diagnosed cardiovaso | * | | (| | (| 0 | (| 0.2 | (0.0) | 0.0 | (0.2 0) |
| disease ^{††} | Julian | | | | | | | | | | |
| Yes | 1,436 | 28.2 | (23.2–33.9) ^{¶¶} | 4.5 | (3.1-6.5) | 10.8 | (7.0-16.4) | 10.5 | (8.9-12.3) | 2.4 | (1.2-5.0) |
| No | 11,283 | 15.4 | (14.6–16.3) | 5.6 | (5.0–6.3) | 5.1 | (4.5–5.7) | 4.5 | (4.0–5.1) | 0.2 | , |
| Hypertension ^{††} *** | , | | (************************************** | | (313 313) | | (, | | (| | (0111 010) |
| Yes | 4.469 | 24.6 | (22.5-26.8)** | 9.1 | (7.8–10.7) | 7.1 | (6.0-8.4) | 7.3 | (6.5-8.2) | 1.1 | (0.7-1.7) |
| No | 7,932 | 12.5 | (11.7–13.3) | 4.5 | (3.9–5.1) | 4.1 | (3.3–5.0) | 3.8 | (3.3–4.3) | 0.2 | (0.1–0.4) |
| Body mass index ^{††} ††† | , | 0 | (| 1.0 | (0.0 0.1) | | (5.5 6.6) | 0.0 | (3.3 1.0) | 0.2 | (3 3) |
| Normal (referent) | 3,762 | 15.8 | (14.1–17.7) | 5.2 | (4.3–6.2) | 5.0 | (4.0-6.2) | 5.2 | (4.3-6.3) | 0.5 | (0.4-0.7) |
| Overweight | 4,528 | 14.7 | (13.4–16.0) | 4.3 | (3.6–5.1) | 4.7 | (4.0–6.2) | 5.2 | (4.7–6.0) | 0.5 | (0.4-0.7) (0.2-0.6) |
| Obese | 3,988 | 19.8 | (18.2–21.5) ^{¶¶} | 7.9 | (5.9–8.4) | 6.5 | (5.5–7.7) | 5.8 | (5.1–6.6) | 0.4 | (0.2–0.6) |
| Onese | 3,300 | 13.0 | (10.2-21.5)"" | 7.9 | (5.5–6.4) | 0.5 | (3.5-1.1) | 5.6 | (3.1–0.0) | 0.4 | (0.2-0.0) |

^{*} Increasing stage number corresponds to increased severity, in accordance with the National Kidney Foundation classification system. **Stage 1:** Glomerular filtration rate (GFR) ≥90 mL/min/1.73m² with kidney damage (i.e., presence of albuminuria); **Stage 2:** GFR 60–89 mL/min/1.73 m² with kidney damage; **Stage 3:** GFR 30–59 mL/min/1.73 m²; **Stage 4:** GFR 15–29 mL/min/1.73 m²; and **Stage 5:** GFR <15 mL/min/1.73 m². **Notes:** GFR = 186.0 × (serum creatinine)^{-1.154} × age^{-0.203} × (0.742 if female) × (1.21 if black). An alternate method was developed recently that can provide more accurate GFR estimates and will be used in future estimates, when possible. Additional information is available at http://www.nkdep.nih.gov/resources/laboratory_reporting.htm#fn4e. Serum creatinine measures for 1999–2000 NHANES data, as recommended by NHANES, were standardized as follows: 1.013 × NHANES creatinine + 0.147. In addition, creatinine measures were standardized for NHANES III (1988–1994) data as follows: 0.960 × NHANES III creatinine – 0.184. Additional information is available at http://www.cdc.gov/nchs/data/nhanes/frequency/lab18_doc.pdf.

Urine sediment and abnormal imaging tests also are used to determine kidney damage; however, these tests were not available in NHANES. As a result, kidney damage and reported prevalence of stage 1 and stage 2 CKD might be underestimated (5). Second, estimates for stages 1 and 2 reflect CKD

indicators, rather than actual disease, because two urine samples were not available in NHANES 1999–2004 to assess persistent albuminuria and confirm the presence of kidney damage. Previous analyses of NHANES III data demonstrated that using two urine tests to confirm kidney damage produced

[†] Stages 1 and 2 refer to CKD indicators, rather than actual CKD, because persistent albuminuria assessed from two urine samples is required to confirm the presence of kidney damage, whereas one sample suggests that kidney damage is likely present.

[§] Confidence interval.

[¶] Subgroups might not sum to total because of missing data for certain characteristics.

^{**} p<0.0001.

^{††} Age standardized to the 2000 standard U.S. population, by using age groups 20–39, 40–59, and ≥60 years.

^{§§} Data for persons of other racial/ethnic groups not included here are included in estimates elsewhere in the table.

^{¶¶} p<0.001

^{***} Systolic blood pressure ≥140 mm Hg, diastolic blood pressure ≥90 mm Hg or reporting current use of a prescription medication for hypertension.

^{†††} Body mass index = weight (kg) / height (m²). Normal: 18.5–24.9, overweight: 25.0–29.9, and obese: ≥30.0.

a lesser prevalence of stage 1 and stage 2 CKD compared with using one urine test, resulting in more conservative estimates for CKD overall (11.0% versus 14.5%). Thus, CKD in this report might be overestimated (4). Third, the data are cross-sectional, not longitudinal, preventing assessment of whether risk factors caused or resulted from CKD. Finally, the number of persons with stages 3, 4, and 5 CKD is small, limiting the power of the analysis and precluding separate estimates for persons with stage 4 and stage 5 and comparison of estimates by demographic characteristic and risk factor.

New programs aimed at decreasing the number of CKD cases were established recently (1,10). The National Kidney Disease Education Program provides resources to the public, patients, and health-care professionals with the goal of reducing morbidity and mortality from kidney disease complications. World Kidney Day was instituted in 2006 to increase awareness of kidney disease and promote early detection. Continued surveillance of albuminuria and serum creatinine using NHANES can track the prevalence of CKD, monitor trends, and identify groups at high risk, enabling targeted programs. Finally, CDC is working with Johns Hopkins University and the University of Michigan to develop a comprehensive national surveillance system for CKD that will monitor early stages of the disease and its risk factors and the effects of CKD on the U.S. population.

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Escherichia coli O157:H7 Infection Associated with Drinking Raw Milk — Washington and Oregon, November-December 2005

During the week of December 5, 2005, public health officials in Clark County, Washington, were notified of four county residents with laboratory-confirmed Escherichia coli O157:H7 infection. All four residents reported having consumed raw (i.e., unpasteurized) milk obtained from a farm in neighboring Cowlitz County, Washington. The farm participated in a cow-share program, in which persons purchase interests in, or shares of, dairy cows in return for a portion of the milk produced.* The farm had five dairy cows and regularly provided raw milk to shareholders. Although the sale of raw milk and cow-share agreements are illegal in certain states, they are legal in Washington; however, Washington farms that provide raw milk to consumers must be licensed, meet state milk-production and processing standards, and pass health and sanitation inspections by the state department of agriculture (1). The Cowlitz County farm was not licensed. This report summarizes the investigation of E. coli O157:H7 cases associated with the farm and reinforces previous warnings about the health hazards of consuming raw milk.

The farm's shareholder list, obtained through a court order, was used to conduct a retrospective cohort study to identify risks for infection. During December 16–19, 2005, shareholders were interviewed by telephone using a standard questionnaire to collect information regarding their milk consumption since November 20, 2005. Forty-three of the 45 families who held shares in the dairy cows from the farm were interviewed; information regarding 157 persons was collected. A case was defined as either 1) laboratory-confirmed *E. coli* O157:H7 infection or 2) diarrhea with abdominal cramping or blood in a person with illness onset during November 20–December 13, 2005, who was a customer of the farm. Additional cases in the community were identified using faxed health alerts

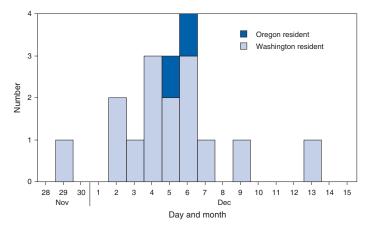
^{*} In a cow-share agreement, a person who does not own, house, or care for the milking cow signs a contract or an agreement with the owner of the cow, pays an initial contract fee, and pays a monthly fee for the boarding and care of the cow. Depending on state law, the person might subsequently have partial ownership in the cow. In exchange for the fees, the person has the right to receive on a weekly basis a certain amount of unpasteurized milk, milk products, or both produced from the cow. The person can either pick up the unpasteurized milk at the farm or pay someone else to pick it up and deliver it or can pay a fee to the owner of the cow to have the products delivered.

and media releases to notify health-care providers, infection-control practitioners, neighboring public health agencies, and the public of the cluster of illnesses.

Eighteen cases were identified among the 43 families who were interviewed, and eight (44%) of these were laboratory confirmed. Dates of illness onset ranged from November 29 to December 13, 2005 (Figure). Patients were residents of two southwest Washington counties and one northwest Oregon county. The median age was 9 years (range: 1–47 years); nine (50%) were female. Among the 18 patients, 17 (94%) reported diarrhea, 13 (72%) bloody diarrhea, and 13 (72%) abdominal cramps. Five patients (28%), aged 1–13 years, were hospitalized; four of these had hemolytic uremic syndrome (HUS). Seventeen patients were farm shareholders or children of shareholders; one patient, a child aged 10 years, was a friend of a shareholder.

Of 140 persons who reported consuming raw milk from the farm, 18 (13%) became ill; among the 157 persons for whom information was obtained, no illness was reported among those who did not consume raw milk. Among 102 of 140 exposed persons who provided information about their raw milk consumption during November 20–December 13, the relative risk for illness increased with the average number of cups of milk consumed daily. The dose-response trend for average daily consumption was statistically significant (p=0.008 by expanded Mantel-Haenszel chi-square test), with attack rates of 3.6% for 0–0.9 cups of milk, 6.7% for 1–1.9 cups, 14.3% for 2–2.9 cups, and 37.5% for ≥3 cups. Visiting the farm and consumption of raw milk products from other sources were not associated with illness.

FIGURE. Number of persons reported with *Escherichia coli* O157:H7 infections who were customers of a Cowlitz County, Washington, farm, by date of illness onset and state of residence — Washington and Oregon, November—December 2005



^{*} n = 17. Although 18 cases were identified during the investigation, for one patient who was asymptomatic, date of illness onset could not be established.

Pulsed-field gel electrophoresis (PFGE) was used to analyze *E. coli* O157:H7 isolates from stool samples from eight patients; seven (88.0%) isolates had PFGE patterns that were indistinguishable (pattern A), and one isolate from an Oregon patient had a PFGE pattern that differed from pattern A by one band.

E. coli O157:H7 also was isolated from raw milk samples obtained from the farm and one shareholder. In addition, E. coli O157:H7 was isolated from seven environmental samples collected from the floor of the farm milking parlor. All E. coli O157:H7 isolates from milk and environmental samples had PFGE pattern A. No E. coli O157:H7 was isolated from stool samples of any of the farm's five cows.

During inspections of the farm, officials from the Washington State Department of Agriculture (WSDA) noted mud and manure accumulation in the entrance to the milking parlor and on the rubber mats covering the dirt floors of the parlor. The bucket used for milk collection had direct contact with these surfaces. Inspectors also noted inadequate handwashing facilities and improper procedures for cleaning milking equipment and handling fresh milk.

On December 9, 2005, the farm contacted shareholders and advised them to discard any remaining raw milk. After a court order was obtained by the Cowlitz County Health Department and an embargo was placed by WSDA, the farm discontinued sales of raw milk on December 13, 2005. No additional reports of illness associated with the farm have been received.

Reported by: M Bhat, MPH, J Denny, MD, Clark County Public Health, Vancouver; K MacDonald, PhD, J Hofmann, MD, Washington State Dept of Health. S Jain, MD, M Lynch, MD, Div of Foodborne, Bacterial, and Mycotic Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (proposed), CDC.

Editorial Note: *E. coli* O157:H7 causes an estimated 73,000 illnesses and 61 deaths annually in the United States (2). Approximately 8% of reported infections lead to HUS, particularly in children aged <5 years and older adults (3); 4% of patients with HUS die (4). Raw milk is an important vehicle of transmission of *E. coli* O157:H7 and other pathogens, including *Mycobacterium bovis*, *Listeria monocytogenes*, and *Campylobacter*, *Brucella*, and *Salmonella* species (5,6). During 1988–2005, a total of 33 outbreaks of *Campylobacter* species, *E. coli* O157:H7, and *Salmonella* species infections associated with raw milk consumption were reported to CDC (7).

Several findings from this investigation indicate that consumption of raw milk was the cause of the outbreak: 1) all ill persons drank raw milk; 2) the illness risk increased with the amount of milk consumed; 3) *E. coli* O157:H7 was isolated from raw milk samples and environmental samples collected

from the milking-parlor floor; and 4) PFGE patterns of isolates from patient, milk, and environmental samples were indistinguishable. Investigators found several factors that might have contributed to contamination of milk at the farm, although previous outbreaks have demonstrated that even raw milk collected using stringent hygiene methods might be contaminated with pathogens (9).

Although many consumers are aware that raw milk can contain pathogens, some believe that it has potential benefits (e.g., vitamins that are present naturally rather than added, enhanced fertility, and protection against tooth decay). However, the validity of any health or nutritional benefits from consuming raw milk has not been proven scientifically (6).

Raw milk is a well-documented cause of enteric infections and was first recognized as one approximately 100 years ago (6). Pathogens that infect humans, including *E. coli* O157:H7, are shed in the feces of cows and can contaminate milk during the milking process. Using standard hygiene practices during milking (e.g., washing hands, keeping equipment clean, and keeping the milking area separated from other areas) can reduce but not eliminate the risk for milk contamination. Pasteurization decreases the number of pathogenic organisms, prevents transmission of pathogens, and has been determined to improve the safety of raw milk more than other measures, including certification of raw milk (8). Because raw milk certification has failed to prevent many raw-milk-associated infections in the past, consumers should not assume that certified raw milk is free of pathogens (9). To prevent E. coli O157:H7 and other infections, consumers should not drink raw milk.

In Washington, cow-share programs and the regulated sale of raw milk are legal; however, the Cowlitz County farm was not licensed, and it did not follow applicable sanitation and public health safety regulations. As a result of this outbreak, WSDA revised regulations to help ensure that milk producers who sell pasteurized milk and those who sell raw milk through cow-share programs obtain the appropriate state licenses and comply with milk-processing sanitation and public health guidelines. As of February 2007, raw milk could be sold legally in 27 states, including Washington. During 1973–1992, a total of 40 (87%) of the 46 reported raw-milk—associated illness outbreaks occurred in states in which the intrastate sale of raw milk was legal (5). State milk regulations and methods for their enforcement should be reviewed and strengthened to minimize the hazards of raw milk.

Early in the 20th century, widespread adoption of the pasteurization process led to substantial reductions in milk-associated disease, a milestone in the history of food safety (10). In the 21st century, more effective consumer education regarding the hazards of drinking raw milk is needed to further reduce milk-associated diseases.

Acknowledgments

The findings in this report are based, in part, on contributions by M Fields, MD, H Gillette, MPH, Cowlitz County Health Dept; B Riehm, MN, Clark County Public Health; E Debess, DVM, Oregon Dept of Human Svcs; and C Coles, MS, Washington State Dept of Agriculture.

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Rates of Hospitalization Related to Traumatic Brain Injury — Nine States, 2003

Traumatic brain injury (TBI) is a major cause of morbidity and mortality in the United States. Each year, on average, TBIs are associated with an estimated 1.1 million emergency department visits, 235,000 hospitalizations, and 50,000 deaths in the United States (1). For 2002, the overall rate of TBIrelated hospitalization reported by the 12 states in the CDC TBI surveillance system was 79.0 per 100,000 population (2); across these states, however, the rates varied substantially (from 50.6 in Nebraska to 96.9 in Arizona). To update results from the CDC TBI surveillance system, CDC analyzed data from 2003, the most recent year for which data were available. This report summarizes the results of that analysis, which indicated that an estimated 28,819 persons (87.9 per 100,000 population) were hospitalized with a TBI-related diagnosis in the nine states that reported data for 2003. For all age groups combined, rates were higher among males. Age-specific rates

were highest among persons aged ≥75 years. Unintentional motor-vehicle–traffic incidents (MV-T) and unintentional falls were the two leading causes associated with TBI-related hospitalization. The findings underscore the need for states to continue monitoring the occurrence, external causes, and risk factors for TBI and to design and implement more effective injury-prevention programs.

For 2003, nine states* that were funded by CDC to conduct TBI-related surveillance submitted data using the standard CDC TBI surveillance case definition and methods (3). Probable cases of TBI-related hospitalizations were identified from administrative hospital discharge records coded with *International Classification of Diseases, Ninth Revision, Clinical Modification* (ICD-9-CM) codes and from vital statistics mortality data coded with *International Classification of Diseases, Tenth Revision* (ICD-10) codes in accordance with the CDC TBI surveillance case definition.[†] The administrative data also included external cause-of-injury codes (E-codes), which were used to classify cases into major intent and cause-of-injury categories (4,5).

For 2003, the nine states reported a total of 30,464 probable cases of TBI-related hospitalization. Five of the nine states were awarded additional funding to conduct medical-record reviews for a random sample of the probable cases. In these states, records for 6,456 cases were successfully reviewed, allowing estimation of the predictive value positive (PVP) of the TBI surveillance case definition (estimated at 0.93 overall). Probable TBI case counts were adjusted downward on the basis of estimated PVP (6). U.S. Census Bureau population estimates by state, age, and sex were combined with the surveillance data to calculate age-adjusted annual incidence rates per 100,000 population. All case counts and rates presented in this report are PVP adjusted.

In 2003, an estimated 28,819 persons were hospitalized with a TBI-related diagnosis in the nine reporting states (Table 1). The age-adjusted rate of TBI-related hospitalization was 87.9 per 100,000 population; this rate ranged from 51.8 in Nebraska to 105.0 in Arizona. Overall and in each reporting state, males had a TBI-related hospitalization rate approximately two times as high as females. Overall and in each

TABLE 1. Estimated incidence and age-adjusted rate* of hospitalization related to traumatic brain injury, by state and sex — nine states, 2003

| | N | /lale | Fe | male | То | tal† |
|--------------------|--------|-------|--------|------|--------|-------|
| State | No. | Rate | No. | Rate | No. | Rate |
| Alaska | 385 | 120.4 | 196 | 65.8 | 581 | 93.9 |
| Arizona | 3,774 | 136.6 | 2,083 | 72.5 | 5,857 | 105.0 |
| Colorado | 2,559 | 119.1 | 1,425 | 64.7 | 3,983 | 91.8 |
| Maryland | 3,195 | 125.2 | 1,769 | 60.7 | 4,964 | 91.8 |
| Minnesota | 2,886 | 117.3 | 1,675 | 62.2 | 4,561 | 89.5 |
| Nebraska | 576 | 68.0 | 357 | 35.9 | 933 | 51.8 |
| Oklahoma | 1,933 | 114.0 | 1,284 | 66.7 | 3,217 | 90.5 |
| South Carolina | 1,848 | 93.6 | 1,028 | 46.6 | 2,876 | 69.6 |
| Utah | 1,162 | 107.3 | 685 | 59.9 | 1,847 | 83.1 |
| Total [†] | 18,318 | 115.1 | 10,501 | 61.1 | 28,819 | 87.9 |

^{*} Per 100,000 population; age-adjusted rates calculated using the U.S. 2000 standard population. Rates are based on case counts adjusted using estimated predictive value positive.

reporting state, persons aged ≥75 years had the highest rates of TBI-related hospitalization; these rates ranged from 184.6 in Alaska to 359.7 in Oklahoma (Table 2). Children aged 5–14 years had the lowest rates of TBI-related hospitalization overall and in each state; these rates ranged from 24.4 in Maryland to 69.7 in Alaska.

Overall, unintentional MV-T incidents and unintentional falls were the leading causes of TBI-related hospitalization (32.1 and 29.8 per 100,000 population, respectively) (Table 3). The rate of MV-T-related TBI hospitalization ranged from 17.6 in Nebraska to 37.8 in Arizona; the rate of fall-related TBI hospitalization ranged from 19.8 in South Carolina to 36.7 in Colorado. Assaults were the third leading cause of TBI-related hospitalization (7.1 per 100,000 population). The rate of assault-related TBI hospitalization ranged from 2.9 in Utah to 9.8 in Alaska.

Most patients hospitalized with a TBI-related diagnosis were discharged home with no or unskilled assistance (64.9%) or with home health care (3.7%). Additionally, 9.0% were discharged to a residential facility (e.g., skilled nursing facility), and 7.7% were transferred for inpatient rehabilitation. Approximately 6.8% of these patients died while hospitalized. **Reported by:** VG Coronado, MD, KE Thomas, MPH, Div of Injury Response, SR Kegler, PhD, Div of Violence Prevention, National Center for Injury Prevention and Control, CDC.

Editorial Note: This report confirms that TBI-related hospitalizations were a major public health problem in the nine reporting states during 2003 but that rates varied substantially by age and sex. Most TBI-related hospitalizations were associated with unintentional MV-T incidents and unintentional falls.

The overall TBI-related hospitalization rate described in this report is higher than the estimate reported by CDC for 2002 (87.9 versus 79.0 per 100,000 population, respectively) (2);

^{*} Alaska, Arizona, Colorado, Maryland, Minnesota, Nebraska, Oklahoma, South Carolina, and Utah.

[†]ICD-9-CM codes, ICD-10 codes, or both were used to identify cases. Cases identified with multiple qualifying codes were counted as single cases. TBI-related hospitalizations were identified using the following ICD-9-CM codes: 800.0–801.9, 803.0–804.9, 850.0–854.1, 950.1–950.3, 959.01, and 995.55. TBI-related hospitalizations that resulted in death and listed only a mortality code were identified using the following ICD-10 codes: S01.0–S01.9, S02.0, S02.1, S02.3, S02.7–S02.9, S04.0, S06.0–S06.9, S07.0, S07.1, S07.8, S07.9, S09.7–S09.9, T01.0, T02.0, T04.0, T06.0, T90.1, T90.2, T90.4, T90.5, T90.8, and T90.9. Although included in the case definition, T01.0, T02.0, T04.0, and T06.0 are considered invalid codes in the United States.

estimated predictive value positive.

Numbers might not add to totals because of rounding.

TABLE 2. Estimated rate* of hospitalization related to traumatic brain injury, by state and age group — nine states, 2003

| | | | | Age group (yrs) | | | |
|----------------|------|------|-------|-----------------|-------|-------|-------|
| State | 0–4 | 5–14 | 15–24 | 25–34 | 35–64 | 65–74 | ≥75 |
| Alaska | 75.5 | 69.7 | 138.0 | 82.4 | 74.2 | 129.3 | 184.6 |
| Arizona | 92.7 | 60.5 | 150.5 | 96.6 | 86.7 | 92.5 | 271.3 |
| Colorado | 44.3 | 34.1 | 119.5 | 76.2 | 75.9 | 121.6 | 325.6 |
| Maryland | 42.7 | 24.4 | 133.5 | 87.3 | 72.4 | 117.6 | 320.2 |
| Minnesota | 61.0 | 52.7 | 121.5 | 80.2 | 67.4 | 106.5 | 281.4 |
| Nebraska | 37.5 | 27.0 | 61.7 | 39.8 | 33.5 | 85.7 | 211.5 |
| Oklahoma | 72.5 | 52.4 | 110.6 | 59.4 | 64.9 | 118.0 | 359.7 |
| South Carolina | 46.2 | 35.4 | 93.4 | 61.2 | 58.0 | 75.5 | 210.6 |
| Utah | 59.9 | 47.3 | 97.1 | 53.0 | 63.6 | 125.6 | 308.9 |
| Total | 60.1 | 43.4 | 118.0 | 75.0 | 69.2 | 104.6 | 287.3 |

^{*} Per 100,000 population. Rates are based on case counts adjusted using estimated predictive value positive.

TABLE 3. Estimated age-adjusted rate* of hospitalization related to traumatic brain injury, by state and intent/cause of injury — nine states, 2003

| | | Unintention | al | Intentiona | I |
|----------------|-------|---|---------------------------------|------------|-------------------|
| State | Falls | Motor- vehicle traffic [†] | Struck by/ against object | Assault | Other/ Unknown |
| Alaska | 32.1 | 29.9 | 4.2 | 9.8 | 17.8 |
| Arizona | 24.1 | 37.8 | 2.0 | 9.7 | 31.4 |
| Colorado | 36.7 | 33.2 | 3.3 | 6.5 | 12.1 |
| Maryland | 33.8 | 33.9 | 3.2 | 9.1 | 11.8 |
| Minnesota | 34.2 | 31.4 | 3.7 | 6.8 | 13.5 |
| Nebraska | 21.7 | 17.6 | 1.8 | 3.8 | 6.9 |
| Oklahoma | 32.4 | 27.9 | 3.6 | 7.7 | 18.8 |
| South Carolina | 19.8 | 34.0 | 2.3 | 4.6 | 8.9 |
| Utah | 32.5 | 29.4 | 2.7 | 2.9 | 15.5 |
| Total | 29.8 | 32.1 | 2.9 | 7.1 | 16.0 |

^{*} Per 100,000 population; age-adjusted rates calculated using the U.S. 2000 standard population. Rates are based on case counts adjusted using _estimated predictive value positive.

however, rates for the individual states providing data for both reporting years did not increase as substantially. For 2002, approximately 54% of all TBI-related hospitalization cases reported to the CDC TBI surveillance system were from New York and California, where rates were the third and fourth lowest among the 12 states reporting for that year (74.4 and 75.8, respectively) (2); these states did not report data for 2003. Although the multistate TBI-related hospitalization rates described in this report are consistent with those reported for 2002, formal comparisons have not been made because of the difference in the numbers of reporting states for the 2 years.

The variability in the state-specific TBI-related hospitalization rates for 2003 and the changes in some of these rates from 2002 might be related to differences and changes in admission practices, administrative coding practices, or underlying differences in TBI risk factors in each state (7). The state-specific differences in rates by sex, age group, and external cause suggest a continuing need for the collection of

surveillance data at the state level to support interventions focused on populations at high risk.

The findings in this report are subject to at least two limitations. First, the findings are based on administrative billing data that were not designed for public health surveillance purposes (8). Second, estimates of TBI-related hospitalizations by race/ethnicity could not be reliably produced because of the substantial percentage of cases for which this information was not available. In addition, the data in this report underestimate the incidence of TBI because the analysis excludes 1) preadmission deaths that might have been TBI-related, 2) persons treated and discharged from emergency departments, 3) persons who sought care in outpatient clinics and physician offices, and 4) persons who did not seek medical care after an injury.

Information resulting from TBI surveillance is important for increasing public awareness of TBI and guiding prevention measures. To reduce the burden of TBI in the United States, prevention measures should focus on the leading causes (i.e., MV-T incidents, falls, and assaults) and the implementation of evidence-based prevention interventions (9,10).

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Includes drivers, passengers, pedestrians, motorcyclists, and bicyclists.

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Bloodstream Infections Among Patients Treated with Intravenous Epoprostenol or Intravenous Treprostinil for Pulmonary Arterial Hypertension — Seven Sites, United States, 2003–2006

Pulmonary arterial hypertension (PAH) is a life-threatening disorder characterized by elevated pulmonary artery pressure and pulmonary vascular resistance. Continuous infusion of a prostanoid, which acts as a vasodilator and antiproliferative agent, is indicated in the treatment of patients with severe PAH. Two prostanoids are approved for intravenous (IV) use in the United States: epoprostenol (epoprostenol sodium [brand name Flolan®], Gilead, Foster City, California) and treprostinil (treprostinil sodium [brand name Remodulin[®]], United Therapeutics, Silver Spring, Maryland) (1). These drugs are administered to PAH patients at hundreds of treatment centers in the United States. In September 2006, CDC received a report from a PAH specialist of a suspected increase in the number of gram-negative bloodstream infections (BSIs) among PAH patients treated with IV treprostinil. CDC conducted a retrospective investigation with the assistance of several state health departments and the cooperation of seven PAH treatment centers to determine the relative rates of BSI in a sample of patients treated with IV treprostinil and IV epoprostenol during 2003-2006. This report describes the results of that investigation, which indicated that, based on combined data from seven separate PAH treatment centers, pooled mean rates of BSI (primarily gramnegative BSI) were significantly higher for patients on treprostinil than for those on epoprostenol. The results do not suggest intrinsic contamination of IV treprostinil as a cause of the infections; the difference in rates might have been caused by differences in preparation and storage of the two agents, differences in catheter care practices, or differences in the antiinflammatory activity of the agents. Health-care providers who care for PAH patients should be aware of these findings. Further investigation is needed to determine the causes of the different infection rates at centers where this was observed and to determine whether such a difference exists in other PAH treatment centers.

A BSI was defined as any positive blood culture result for a patient receiving IV epoprostenol or IV treprostinil as reported from a clinical laboratory or by a health-care provider in the medical record during the period for which data were collected. BSI rate information among patients on either IV prostanoid was requested from all PAH treatment centers that were major prescribers of IV treprostinil during 2006, as reported to investigators by United Therapeutics. BSI rates were calculated on the basis of the number of BSIs per 1,000 medicine days (i.e., days on which an IV prostanoid was administered). Because of varying arrangements between PAH treatment centers and investigators, the period and method of data collection varied by center. Data for calculating infection rates were available from seven different centers. Data for both agents were available from five centers; three reviewed their records to determine the numbers of infections and medicine days (one center retrospectively determined its rates for 2003-2006, one center for 2004-2006, and one center for 2006 only), and two invited state health departments and CDC to perform site visits to collect this information (data collected for 2004-2006). Data on IV treprostinil only was available from two centers, which provided CDC the number of BSIs among patients on IV treprostinil from January 1 to October 1, 2006; rates for these two centers were then calculated using medicine-day data specific to each center provided by United Therapeutics. Rates of BSI for patients receiving IV epoprostenol at these two centers could not be calculated because the total number of medicine days was not available.

A total of 51,183 medicine days were reported from the seven centers for IV treprostinil and 201,158 from five centers for IV epoprostenol. A total of 144 BSIs were identified (57 among patients on IV treprostinil and 87 among patients on IV epoprostenol). Overall, 26 different organisms (12 gram positive, 12 gram negative, and two acid fast bacilli) were identified in patients with BSIs. Fourteen different organisms were found in BSIs among patients on IV epoprostenol (nine gram positive, four gram negative, and one acid fast bacillus), and 18 different organisms were found in BSIs among patients on IV treprostinil (seven gram positive, 10 gram negative, and one acid fast bacillus). The three most common organisms isolated in BSIs among patients on IV epoprostenol were coagulase-negative Staphylococcus (28), Micrococcus sp. (18), and Staphylococcus aureus (12). The three most common organisms isolated in BSIs among patients on IV treprostinil were Pseudomonas sp. (11), Enterobacter sp. (nine), and coagulase-negative Staphylococcus (eight). The overall BSI pooled mean rate (per 1,000 medicine days) was higher for patients receiving IV treprostinil compared with those receiving IV epoprostenol (1.11 versus 0.43; pooled incidence rate ratio [IRR] = 2.57; 95% confidence interval [CI] = 1.813.64). Individual center BSI rates for treprostinil ranged from 0.28 to 2.10, and for epoprostenol from 0.23 to 1.02; IRR at individual centers ranged from 0.59 to 3.90. The pooled mean rate for gram-negative BSIs was higher among patients on IV treprostinil than on IV epoprostenol (0.76 versus 0.06; pooled IRR = 12.77; CI = 6.55-26.80). Individual center gramnegative BSI rates for treprostinil ranged from 0.28 to 1.11, and for epoprostenol from 0.03 to 0.25; IRR ranged from 1.19 to 29.90. Among the five centers for which rates for both drugs were available, overall BSI rates for treprostinil were higher than epoprostenol at four centers, and gram-negative BSI rates for treprostinil were higher at all five. Mantel-Haenszel-adjusted IRRs were calculated from the five centers that supplied rate information for both medications: 2.62 (CI = 1.84–3.72) for overall BSI and 13.53 (CI 6.72–27.22) for gram-negative BSI. Overall and gram-negative BSI rates for both patients receiving IV treprostinil and IV epoprostenol were higher than historic BSI rates among patients receiving IV epoprostenol (historic BSI rates: 0.15 per 1,000 medicine days; historic gram-negative BSI rates: 0.01 per 1,000 medicine days), as reported in a previously published, twocenter study (2).

Pooled mean rates of overall and gram-negative BSIs for treprostinil remained higher than those for epoprostenol after stratification for several factors, including 1) method of data collection (data available from seven centers), 2) time receiving IV prostanoids (<2 years versus ≥ 2 years) (two centers), 3) age (<18 years versus ≥18 years) (two centers), 4) home health-care company providing the medications and coordinating their administration (two centers), and 5) co-administration of immunosuppressive medications (two centers). BSI-related mortality was evaluated at three centers (the two centers that CDC investigators visited and for which this variable could be evaluated, and one center for which these data were available). Two deaths from two different centers were identified as possibly related to a BSI, both in patients who received IV treprostinil. One death was in a patient with a gram-negative BSI, and one was in a patient with a gram-positive BSI.

Ten partially used vials of IV treprostinil from BSI patients in five states were cultured for the presence of bacteria at the New York State Department of Health's Wadsworth Center laboratory, the New York City Department of Health laboratory, or CDC. No organisms were recovered from any of these vials.

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Editorial Note: Epoprostenol and treprostinil are prostanoids used in the treatment of severe PAH via continuous infusion. Epoprostenol, also called prostacyclin, was approved by the Food and Drug Administration (FDA) in 1995 and is the most frequently prescribed prostanoid. Patients must reconstitute the medication at home and keep it continually cool once mixed. It has a half-life of approximately 3-6 minutes, and sudden interruptions in the infusion can be lifethreatening (1,3). Treprostinil was approved by FDA in 2004 for continuous IV infusion. This agent has several advantages over epoprostenol, including a longer half-life (approximately 4 hours) and the ability to remain stable without refrigeration (1). Both medications can be administered via a central venous catheter, putting patients at risk for catheter-related BSI. The medications are administered to patients primarily at home, and patients and their caregivers are primarily responsible for preparing and infusing medications and for changing dressings and IV tubing.

The investigation described in this report identified higher overall and gram-negative BSI rates among PAH patients receiving IV treprostinil compared with IV epoprostenol among patients treated at seven centers. Although the cause of this difference is unclear, the variety of organisms involved and the absence of bacterial growth in vials of used IV treprostinil obtained from patients with BSIs argue against intrinsic contamination of IV treprostinil or its diluents as a cause of the apparent BSI rate increase. At least three hypotheses exist that might explain the difference.

First, differences in practices involved in the preparation and storage of the two agents might create different levels of risk for BSI. IV epoprostenol is supplied as a powder that is mixed by the patient with single-use vials of a diluent, accessed by a single-use needle and syringe. IV treprostinil is supplied in a multiple-dose vial that the patient may use for up to 30 days, accessed either by a single-use needle and syringe or via a vial adaptor that may remain in place for as long as the vial is in use. Multiple-dose vials of medications

have been implicated repeatedly in infection outbreaks in health-care settings, particularly when health-care providers used suboptimal infection-control practices or did not follow manufacturer-recommended storage conditions (4,5).

Second, differences in infection-control practices involved in central venous catheter and infusion-set care might create different levels of risks for BSIs. During the investigation, concerns were raised by several PAH specialists about infection-control practices associated with administration of these medications, including differences in line tubing and dressing changes, techniques for accessing vials of IV treprostinil, use of in-line filters, and the use of vial adaptors, which may be left in place for extended periods of time. In addition, the longer half-life and simpler administration requirements of treprostinil might lead to greater complacency regarding catheter care and use. For example, patients might disconnect the infusion for certain periods, thereby increasing the risk for BSI because breaks in the infusion system can allow for introduction of bacteria.

Third, the difference might be attributed to differences in the anti-inflammatory activity of the agents. However, studies of this subject in prostanoid analogues are limited because they all have been conducted in vitro, have not evaluated epoprostenol, and have used concentrations of prostacyclin analogues that are generally higher than those achieved in vivo for treatment of PAH (6-8).

The findings in this report are subject to at least four limitations. First, to maximize data collection for both medications, data were collected from several clinical centers that might not have been able to provide data for the entire period requested. Thus, the analyses were limited because 1) data were collected during different periods and were not available for both medications at all seven centers and 2) detailed information on potential risk factors for BSI were not available from most centers. Second, the sample of centers was not random, and the findings are subject to ascertainment bias because centers that noticed differences in rates might have been more likely to submit data; hence, the findings might not be representative of all PAH centers. Third, to be consistent across all data sources, a microbiologic definition of BSI was used rather than a clinical definition. Therefore, infections diagnosed on clinical grounds alone (i.e., without cultures) were not included, whereas positive blood cultures of unknown clinical significance (e.g., those not associated with clinical symptoms) might have been included. Finally, differences in BSI detection rates might have resulted from clinicians being more likely to obtain blood cultures from patients treated with one agent versus the other.

In the sample described in this report, the rate of BSI and gram-negative BSI in patients on IV treprostinil were higher than the rates in patients on IV epoprostenol. The rates reported in this report equate to one BSI every 2.5 years for a patient receiving IV treprostinil and every 6.4 years for a patient receiving IV epoprostenol. Further investigation is needed to identify the causes of the differences identified and to determine if these results are found at other PAH centers. Until further information is available, clinicians who administer these drugs should be aware of the potential differences in BSI risk, particularly regarding infections caused by gramnegative organisms, which can be difficult to treat and can lead to substantial morbidity and mortality. Because IV treprostinil offers certain advantages over IV epoprostenol, clinicians should advise patients about the potential advantages and disadvantages of both drugs and assist patients in choosing the medication that best suits their clinical situation. Clinicians should also be aware of the risk for gramnegative pathogens in patients receiving IV prostanoid infusions when choosing empiric antibiotic treatment for patients with possible catheter-associated infections. Healthcare providers also should routinely review with patients the infection-control practices for the management of central venous catheters and administration of these medications.

Acknowledgment

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Update: *Ralstonia* Species Contamination Associated with Vapotherm® 2000i Respiratory Gas Humidifier Systems — United States, 2005–2006

This report updates previously published information regarding contamination of Vapotherm® 2000i respiratory gas humidifiers (Vapotherm, Inc., Stevensville, Maryland) with *Ralstonia* species (*1–3*). The manufacturer took corrective actions (Table) and reintroduced the device in January 2007, after meeting Food and Drug Administration (FDA) 510(k) submission requirements.*

CDC and FDA recommend that clinicians using the Vapotherm device ensure that they are following the most recent recommendations and have the most recent instructions for the device and its components; the 2000i operating instruction manual can be obtained by contacting Vapotherm, Inc., by telephone: 410-604-3977 or 866-827-6843, fax: 410-604-3978, or e-mail: info@vtherm.com. Additional information regarding use of the reintroduced device is available from FDA at http://www.fda.gov/cdrh/safety/020107-vapotherm.html.

FDA encourages reporting of adverse events related to the use of medical devices; such reports can be submitted to MedWatch, FDA's voluntary reporting program, by telephone: 1-800-FDA-1088, by fax: 1-800-FDA-0178, by mail: MedWatch, Food and Drug Administration, 5600 Fishers Lane, Rockville, MD 20852-9787, or online: http://www.fda.gov/medwatch/report.htm. Clinicians who would like to conduct surveillance for health-care—associated infections in patients using the Vapotherm device can use strategies similar to those used for surveillance of ventilator-associated infections.

Reported by: A Srinivasan, MD, National Center for Preparedness, Detection, and Control of Infectious Diseases (proposed); M Jhung, MD, EIS Officer, CDC.

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TABLE. Potential sources of *Ralstonia* species contamination of Vapotherm[®] 2000i respiratory gas humidifier systems and corrective actions taken by the manufacturer — United States, 2005–2006

| Potential source of contamination | Corrective actions |
|---|--|
| Contamination of machine interior during initial calibration with unfiltered water | All devices in distribution were recalled to the manufacturer's facility and disinfected with 1,000 parts per million (ppm) chlorine dioxide. |
| Contamination of vapor-transfer cartridge, a component of the device, during manufacture | Manufacture of new devices now requires use of filtered water, followed by 1,000 ppm chlorine dioxide disinfection and a separate drying step. |
| | Manufacture of all new vapor- transfer cartridges now includes ethylene oxide sterilization. |
| Contamination of either the Vapotherm device, vapor-transfer cartridge, or both during patient use | A new system was developed for retaining sterile water, and the manufacturer now recommends that only sterile water be used for humidification.* |
| | The vapor-transfer cartridge, previously a multiuse item, is now recommended for use by a single patient and must be discarded after 30 days of use. |
| Failure to remove bacterial organisms during routine decontamination | The company continues to recommend disinfection of the Vapotherm unit between patients or after every 30 days of use and now offers a peracetic acid formulation in addition to the quaternary ammonium disinfectant that has been packaged with the device. |

^{*} Previously, the device had a refillable reservoir bag, which created an open-water circuit, and tap water for humidification was considered adequate.

Notice to Readers

Brain Injury Awareness Month — March 2007

March is Brain Injury Awareness Month, which is dedicated to helping the public learn more about brain injury and to improving the lives of persons living with brain injury. "Brain Injury: As Diverse As We Are" is the theme for this year's Brain Injury Awareness Month campaign, which will highlight the diversity of the causes of brain injuries and the persons who sustain them.

Traumatic brain injuries (TBIs) contribute to a substantial number of deaths and permanent disabilities each year. CDC estimates that approximately 1.4 million persons sustain a TBI

^{*}Additional information is available at http://www.fda.gov/cdrh/devadvice/314.html.

(1) each year in the United States. In addition, approximately 5.3 million persons in the United States (nearly 2% of the U.S. population) need long-term assistance with performing activities of daily living because of TBIs (2). Lifetime costs of TBI totaled \$60 billion in 2000; this includes direct medical and indirect costs such as lost productivity (3).

In recognition of Brain Injury Awareness Month, the Brain Injury Association of America (BIAA), with support from CDC, is offering educational kits about living with brain injury. The materials include 1) five booklets that provide information for persons with brain injuries and their families and caregivers, 2) fact sheets that describe the experiences of four persons who sustained brain injuries, 3) a poster that depicts the diversity of the causes of brain injuries and the persons affected by them, and 4) CDC's Facts about Traumatic Brain Injury fact sheet. These materials and additional information about Brain Injury Awareness Month are available from BIAA online at http://www.biausa.org/media.htm#march or by telephone at 1-800-444-6443.

CDC also assisted the Defense and Veterans Brain Injury Center in the development of a fact sheet and video documentary, "Understanding Traumatic Brain Injury," which features the recovery experiences of several military service personnel and their families. The video aims to raise awareness about TBI among the general public, active duty service members, and veterans. Additional information about the fact sheet and video is available online from the Defense and Veterans Brain Injury Center at http://www.dvbic.org/cms.php?p=education. Additional information about CDC's TBI-related activities, educational materials, and research is available at http://www.cdc.gov/ncipc/tbi/tbi.htm.

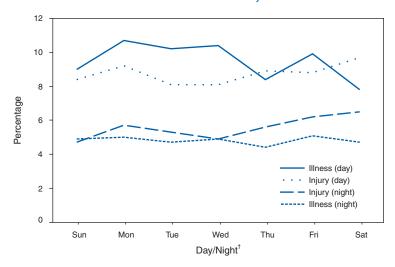
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QuickStats

FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

Percentage of Weekly Visits to Emergency Departments for Illness and Injury by Patients Arriving via Ambulance,* by Day/Night Period of Arrival — United States, 2003–2004



- * Air, ground, private, or public ambulances, including fire and rescue vehicles.
- [†] Day is 3:00 a.m. to 5:59 p.m., and night is 6:00 p.m. to 2:59 a.m.

Percentages indicate the proportion of weekly visits for illness or injury distributed over 14 periods (day and night). Overall, persons who arrive by ambulance at an emergency department (ED) are more likely to do so because of illness (57%) than injury (43%). However, on Saturdays, ambulances are more likely to bring persons with injuries than illnesses, both during the day and at night. Ambulance-transported patients account for approximately 15% of all ED visits and 16 million patients annually.

SOURCE: National Hospital Ambulatory Medical Care Survey, 2003–04. Available at http://www.cdc.gov/nchs/about/major/ahcd/ahcd1.htm.

TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending February 24, 2007 (8th Week)*

| | Current | Cum | 5-year weekly | Total o | cases rep | orted for | previou | s years | |
|--|--------------------|------|----------------------|-----------|-----------|-----------|----------|----------|---|
| Disease | week | 2007 | average [†] | 2006 | 2005 | 2004 | 2003 | 2002 | States reporting cases during current week (No. |
| Anthrax | _ | | 0 | 1 | | | | 2 | |
| Botulism: | | | | | | | | | |
| foodborne | _ | _ | 0 | 18 | 19 | 16 | 20 | 28 | |
| infant | _ | 6 | 1 | 92 | 85 | 87 | 76 | 69 | |
| other (wound & unspecified) | _ | 1 | 1 | 46 | 31 | 30 | 33 | 21 | |
| Brucellosis | _ | 8 | 2 | 116 | 120 | 114 | 104 | 125 | |
| Chancroid | _ | 1 | 1 | 34 | 17 | 30 | 54 | 67 | |
| Cholera | _ | _ | 0 | 6 | 8 | 5 | 2 | 2 | |
| Cyclosporiasis§ | _ | 8 | 4 | 129 | 543 | 171 | 75 | 156 | |
| Diphtheria | _ | _ | _ | _ | _ | _ | 1 | 1 | |
| Domestic arboviral diseases ^{§,¶} : | | | | | | | | - | |
| California serogroup | _ | _ | 0 | 63 | 80 | 112 | 108 | 164 | |
| eastern equine | _ | _ | _ | 7 | 21 | 6 | 14 | 10 | |
| Powassan | _ | _ | _ | 1 | 1 | 1 | | 1 | |
| St. Louis | _ | _ | _ | 9 | 13 | 12 | 41 | 28 | |
| western equine | _ | _ | _ | _ | _ | | | _ | |
| Ehrlichiosis§: | | | | | | | | | |
| human granulocytic | 1 | 9 | 1 | 540 | 786 | 537 | 362 | 511 | FL (1) |
| human monocytic | | 15 | 1 | 480 | 506 | 338 | 321 | 216 | 1 = (1) |
| human (other & unspecified) | 2 | 6 | 0 | 201 | 112 | 59 | 44 | 23 | MD (2) |
| Haemophilus influenzae,** | _ | 0 | O | 201 | 112 | 00 | | 20 | WID (Z) |
| invasive disease (age <5 yrs): | | | | | | | | | |
| serotype b | _ | 1 | 0 | 9 | 9 | 19 | 32 | 34 | |
| nonserotype b | _ | 5 | 3 | 97 | 135 | 135 | 117 | 144 | |
| unknown serotype | 5 | 48 | 5 | 240 | 217 | 177 | 227 | 153 | OH (1), GA (2), AZ (1), UT (1) |
| Hansen disease§ | _ | 7 | 1 | 75 | 87 | 105 | 95 | 96 | OTT (1), GA (2), AZ (1), OT (1) |
| Hantavirus pulmonary syndrome§ | | 2 | 0 | 36 | 26 | 24 | 26 | 19 | |
| Hemolytic uremic syndrome, postdiarrheal [§] | 2 | 11 | 2 | 256 | 221 | 200 | 178 | 216 | WA (1), CA (1) |
| | 3 | 76 | 20 | 825 | 652 | 713 | 1,102 | 1,835 | |
| Hepatitis C viral, acute | _ | 76 | 4 | 52 | 380 | 436 | 504 | 420 | NY (1), WA (2) |
| HIV infection, pediatric (age <13 yrs) ^{††} | 5 | 20 | 1 | 32 41 | 45 | 430 | 504 N | 420 N | VC (1) TV (2) NE (1) OH (1) |
| Influenza-associated pediatric mortality ^{§,§§} Listeriosis | 4 | 63 | 9 | 790 | 896 | 753 | 696 | 665 | KS (1), TX (2), NE (1), OH (1) |
| | 4 | | | | | | | | IN (1), NC (2), TN (1) |
| Measles [¶] | _ | 1 | 1 | 52 | 66 | 37 | 56 | 44 | |
| Meningococcal disease, invasive***: A, C, Y, & W-135 | 2 | 00 | 7 | 232 | 297 | | | | MD (1) CO (1) |
| | | 22 | | | | _ | _ | _ | MD (1), CO (1) |
| serogroup B | _ | 10 | 4 1 | 142 24 | 156 27 | _ | | _ | |
| other serogroup | 6 | 3 | | | | _ | _ | _ | DA (0) OU (1) NE (1) EL (1) UT (1) |
| unknown serogroup | | 94 | 21 | 716 | 765 | 050 | | | PA (2), OH (1), NE (1), FL (1), UT (1) |
| Mumps | 8 | 65 | 10 | 6,487 | 314 | 258 | 231 | 270 | MN (2), IA (1), MO (1), KS (1), AZ (1), CA (2) |
| Plague | _ | _ | 0 | 15 | 8 | 3 | 1 | 2 | |
| Poliomyelitis, paralytic | _ | _ | _ | _ | 1 | _ | _ | _ | |
| Poliovirus infection, nonparalytic§ | _ | _ | _ | N | N | N | N | N | |
| Psittacosis [§] | _ | 2 | 0 | 20 | 16 | 12 | 12 | 18 | |
| Q fever§ | _ | 13 | 1 | 168 | 136 | 70 | 71 | 61 | |
| Rabies, human | _ | _ | _ | 3 | 2 | 7 | 2 | 3 | EL (4) |
| Rubella ^{†††} | 1 | 3 | 0 | 8 | 11 | 10 | 7 | 18 | FL (1) |
| Rubella, congenital syndrome | _ | _ | 0 | 1 | 1 | _ | 1 | 1 | |
| SARS-CoV ^{§,§§§} | _ | _ | 0 | _ | _ | _ | 8 | N | |
| Smallpox§ | _ | _ | _ | _ | | 100 | | | |
| Streptococcal toxic-shock syndrome§ | _ | 6 | 4 | 99 | 129 | 132 | 161 | 118 | NIV (4) NII (0) |
| Syphilis, congenital (age <1 yr) | 7 | 19 | 8 | 315 | 329 | 353 | 413 | 412 | NY (1), MI (6) |
| Tetanus | 1 | 1 | 0 | 32 | 27 | 34 | 20 | 25 | FL (1) |
| Toxic-shock syndrome (staphylococcal)§ | 1 | 7 | 2 | 108 | 90 | 95 | 133 | 109 | MN (1) |
| Trichinellosis | _ | 1 | _ | 14 | 16 | 5 | 6 | 14 | |
| Tularemia | _ | _ | 0 | 84 | 154 | 134 | 129 | 90 | NO (1) NO (1) FI (1) |
| Typhoid fever | . 3 | 22 | 6 | 273 | 324 | 322 | 356 | 321 | MO (1), NC (1), FL (1) |
| Vancomycin-intermediate Staphylococcus aur | eus [®] — | _ | _ | 3 | 2 | | N | N | |
| Vancomycin-resistant Staphylococcus aureus | | _ | _ | | 3 | 1 | N | N | |
| Vibriosis (non-cholera Vibrio species infections | s)§ — | 11 | _ | N | N | N | N | N | |
| Yellow fever | _ | _ | _ | _ | _ | _ | _ | 1 | |

No measles cases were reported for the current week.

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

The one rubella case reported for the current week was indigenous.

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

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending February 24, 2007, and February 25, 2006 (8th Week)*

| | | | Chlamyo | lia [†] | | | Coccid | ioidomy | cosis | | | Cryp | tosporid | iosis | |
|---|-----------------|----------------|----------------|------------------|-----------------|-----------------|----------|--------------|-------------|-------------|--------------|---------|--------------|-------------|-------------|
| | | | vious | | | | | vious | | | | | /ious | | |
| Reporting area | Current week | Med | veeks Max | Cum 2007 | Cum 2006 | Current week | Med Med | weeks Max | Cum 2007 | Cum 2006 | Current week | Med | reeks Max | Cum 2007 | Cum 2006 |
| United States | 9,125 | 19,921 | 22,110 | 119,065 | 143,627 | 116 | 151 | 393 | 1,176 | 1,314 | 25 | 67 | 304 | 309 | 394 |
| New England | 712 | 608 | 1,244 | 4,576 | 3,875 | _ | 0 | 0 | _ | _ | _ | 3 | 22 | 14 | 55 |
| Connecticut Maine§ | 299 39 | 136 45 | 713 72 | 834 344 | 537 290 | <u>N</u> | 0 0 | 0 0 | N | N — | _ | 0 1 | 3 6 | 3 5 | 36 4 |
| Massachusetts New Hampshire | 275 11 | 298 40 | 604 69 | 2,465 292 | 2,067 262 | _ | 0 | 0 | _ | _ | _ | 0 1 | 14 5 | <u> </u> | 11 2 |
| Rhode Island§ | 67 | 63 | 108 | 473 | 514 | _ | 0 | 0 | _ | _ | _ | 0 | 5 | _ | _ |
| Vermont [§] Mid. Atlantic | 21 1,784 | 21 2,397 | 45 3,865 | 168 15,894 | 205 16,657 | N — | 0 | 0 | N | N | 3 | 0 10 | 5 32 | 2 37 | 2 65 |
| New Jersey | 113 | 378 | 555 | 1,706 | 2,804 | N | 0 | 0 | N | N | _ | 0 | 3 | _ | 1 |
| New York (Upstate) New York City | 375 802 | 502 748 | 2,563 1,566 | 2,664 5,772 | 2,163 5,936 | N N | 0 0 | 0 0 | N N | N N | 1 | 3 3 | 13 12 | 8 8 | 9 19 |
| Pennsylvania | 494 | 778 | 1,005 | 5,752 | 5,754 | N | 0 | 0 | N | N | 2 | 4 | 17 | 21 | 36 |
| E.N. Central Illinois | 1,240 692 | 3,162 1,024 | 4,106 1,355 | 16,957 5,759 | 25,542 8,160 | _ | 1 0 | 3 0 | 4 | 4 | 8 | 16 2 | 110 22 | 62 | 80 10 |
| Indiana Michigan | — 406 | 378 668 | 586 1,225 | 2,841 4,803 | 3,301 3,957 | _ | 0 1 | 0 3 | | | 1 | 1 2 | 18 9 | 3 11 | 3 13 |
| Ohio | 12 | 633 | 1,424 | 1,508 | 6,699 | _ | 0 | 2 | 1 | 2 | 7 | 5 | 33 | 35 | 32 |
| Wisconsin | 130 | 365 | 527 | 2,046 | 3,425 | N | 0 | 0 | N | N | _ | 5 | 53 | 13 | 22 |
| W.N. Central Iowa | 622 89 | 1,187 163 | 1,445 223 | 7,951 1,255 | 9,598 1,388 | N | 0 0 | 1 0 | 2 N | N | | 12 2 | 77 28 | 45 9 | 40 3 |
| Kansas Minnesota | 170 | 145 246 | 275 321 | 1,044 1,066 | 1,372 1,994 | N | 0 | 0 | N | N | 1 | 1 3 | 8 21 | 6 8 | 7 15 |
| Missouri | 226 | 447 | 628 | 3,313 | 3,422 | _ | 0 | 1 | 2 | _ | _ | 2 | 21 | 7 | 9 |
| Nebraska [§] North Dakota | 64 24 | 97 31 | 180 64 | 673 207 | 722 313 | N N | 0 0 | 0 0 | N N | N N | _ 1 | 1 0 | 16 1 | 3 1 | 3 |
| South Dakota | 49 | 51 | 84 | 393 | 387 | N | 0 | 0 | N | N | _ | 1 | 7 | 11 | 3 |
| S. Atlantic Delaware | 1,747 73 | 3,762 68 | 5,634 107 | 22,834 577 | 27,102 549 | N | 0 | 1 0 | 1 N | 2 N | 10 | 17 0 | 67 3 | 112 1 | 108 |
| District of Columbia | 85 | 61 | 161 | 698 | 395 | _ | 0 | 0 | _ | _ | 7 | 0 7 | 2 | 3 | 5 |
| Florida Georgia | _ | 970 702 | 1,187 2,541 | 3,300 3,839 | 6,901 4,125 | N N | 0 0 | 0 | N N | N N | 3 | 5 | 32 12 | 52 40 | 37 33 |
| Maryland [§] North Carolina | 285 428 | 343 624 | 482 1,772 | 2,804 4,086 | 2,391 6,283 | _ | 0 | 1 0 | 1 | 2 | _ | 0 | 3 11 | 3 2 | 4 22 |
| South Carolina§ | 453 | 361 | 2,105 | 3,852 | 2,353 | N | 0 | 0 | N | N | _ | 1 | 13 | 4 | 2 |
| Virginia§ West Virginia | 401 22 | 453 59 | 687 96 | 3,298 380 | 3,786 319 | N N | 0 0 | 0 0 | N N | N N | _ | 1 0 | 5 3 | 6 1 | 4 1 |
| E.S. Central | 499 | 1,456 | 2,051 | 10,149 | 10,936 | _ | 0 | 0 | _ | _ | 1 | 3 | 15 | 10 | 7 |
| Alabama [§] Kentucky | 9 46 | 421 139 | 761 691 | 2,243 973 | 3,649 1,442 | N N | 0 0 | 0 0 | N N | N N | 1 | 1 1 | 12 3 | 5 4 | 2 1 |
| Mississippi Tennessee [§] | 444 | 385 518 | 807 634 | 2,575 4,358 | 2,003 3,842 | N N | 0 | 0 | N N | N N | _ | 0 1 | 3 5 | _ 1 | 1 |
| W.S. Central | 533 | 2,211 | 3,028 | 11,591 | 15,825 | _ | 0 | 1 | _ | _ | 1 | 4 | 46 | 8 | 13 |
| Arkansas [§] Louisiana | 225 93 | 153 275 | 337 610 | 1,160 812 | 1,201 2,638 | N | 0 | 0 1 | N | N | _ | 0 | 2 9 | 1 | 1 |
| Oklahoma | 215 | 243 | 423 | 1,715 | 1,551 | N | 0 | 0 | N | N | 1 | 1 | 4 | 5 | 7 |
| Texas [§] Mountain | 267 | 1,442 1,290 | 1,907 2,042 | 7,904 6,514 | 10,435 9,612 | N 88 | 0 103 | 0 202 | N 780 | N 957 | _ | 3 3 | 37 39 | 1 12 | 5 12 |
| Arizona | 8 | 461 | 1,017 | 1,836 | 2,825 | 88 | 102 | 200 | 770 | 938 | _ | 0 | 3 | 1 | 3 |
| Colorado Idaho§ | 75 26 | 320 52 | 418 253 | 1,127 549 | 2,431 471 | N N | 0 | 0 0 | N N | N N | _ | 1 0 | 7 5 | 6 1 | 2 |
| Montana [§] Nevada [§] | _ | 50 103 | 143 397 | 285 838 | 220 1,088 | N | 0 | 0 | N 3 | N 10 | _ | 0 | 26 | _ | 1 1 |
| New Mexico [§] | 69 | 186 | 314 | 1,152 | 1,641 | _ | Ö | 3 | 2 | 1 | _ | 0 | 1 5 | 3 | _ |
| Utah Wyoming [§] | 89 — | 96 28 | 181 54 | 664 63 | 718 218 | _ | 1 0 | 3 0 | 5 | 6 2 | _ | 0 0 | 3 11 | 1 — | 5 |
| Pacific | 1,721 | 3,373 | 3,926 | 22,599 | 24,480 | 28 | 51 | 299 | 389 | 351 | _ | 1 | 5 | 9 | 14 |
| Alaska California | 106 1,029 | 82 2,671 | 156 3,187 | 664 17,232 | 595 19,093 | N 28 | 0 51 | 0 299 | N 389 | N 351 | _ | 0 | 1 0 | _ | _ |
| Hawaii | _ | 107 | 133 | 618 | 897 | N | 0 | 0 | N | N | _ | 0 | 1 | _ | _ |
| Oregon [§] Washington | 185 401 | 173 350 | 394 604 | 1,472 2,613 | 1,384 2,511 | N N | 0 | 0 0 | N N | N N | _ | 1 0 | 4 0 | 9 | 14 |
| American Samoa | U | 0 | 46 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| C.N.M.I. Guam | <u>U</u> | 0 0 | 0 | <u>U</u> | <u>U</u> | <u>U</u> | 0 0 | 0 0 | <u>U</u> | U — | <u>U</u> | 0 0 | 0 0 | <u>U</u> | <u>U</u> |
| Puerto Rico U.S. Virgin Islands | 157 U | 105 5 | 236 15 | 1,136 U | 719 U | N U | 0 | 0 | N U | N U | N U | 0 | 0 | N U | N U |
| C.N.M.I.: Commonwe | | | | | | <u> </u> | | - 0 | | | | - 0 | - 0 | | |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

* Incidence data for reporting years 2006 and 2007 are provisional. Data for HIV/AIDS, AIDS, and TB, when available, are displayed in Table IV, which appears quarterly. Chlamydia refers to genital infections caused by *Chlamydia trachomatis*.

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending February 24, 2007, and February 25, 2006 (8th Week)*

| | | | | Giardiasi | s | | | | onorrhea | a | | Hae | All age | s, all ser | z <i>ae</i> , invas otypes [†] | sive |
|---|------------------------------------|----------|-----|-----------|----------|-------|---------|-------|----------|---------|--------|----------|---------|------------|--|----------|
| | | Current | | | Cum | Cum | Current | | | Cum | Cum | Current | | | Cum | Cum |
| | Reporting area | | | | | | | | | | | | _ | | | 2006 |
| Domesicial | United States | 144 | 308 | 526 | 1,617 | 2,127 | 2,780 | 6,771 | 8,602 | 39,063 | 50,834 | 28 | 42 | 115 | 344 | 368 |
| Asimple | New England | | | | | | | | | | | _ | | | | 17 |
| New Hampshire | Maine [§] | | | | | | | | | | | _ | | | | 3 |
| thode Islandrif — 1 1 17 — 6 7 10 19 84 75 — 0 3 — — | | | | | | | | | | | | | | | | 12 |
| Hist. Attendite 16 | Rhode Island§ | _ | 1 | 17 | _ | 6 | | 10 | 19 | 84 | 75 | | 0 | 3 | _ | 1 |
| New Nork (Upside) | | | | | | | | | | | | | | | | 1 |
| New York Cirky | New Jersey | | | | | | | | | | | | | | | 16 |
| Pennsylvania 5 14 34 74 117 127 223 324 1.665 1.813 4 3 8 95 35 1 1.8. Central 11 44 98 8 182 407 551 1.261 2.203 6.459 10.685 5 5 13 35 5 1 1 1 1 4 4 98 8 182 407 551 1.261 2.203 6.459 10.685 5 5 13 35 5 5 1 1 1 1 1 0 5 1 1 1 1 0 5 1 1 1 1 | | | | | | | | | | | | | | | | 15 |
| Illinois | Pennsylvania | | | | | | | | | | | | | | | 36 |
| Indiana N 0 0 N N N — 158 260 1,165 1,471 — 1 10 5 5 10 10 10 10 10 10 10 10 10 10 10 10 10 | | 11 | | | | | | | | | | | | | | 51 |
| Dho | IIInois ndiana | N | | | | | | | | | | | | | | 15 7 |
| Visconsin - 9 | | | | | | | | | | | | | | | | 11 |
| owa | | | | | | | | | | | | | | | | 9 |
| Cansas 2 3 11 11 21 54 43 93 328 386 1 0 2 5 | | | | | | | | | | | | | | | | 15 |
| Minnesota | | | | | | | | | | | | | | | | - |
| Elebraska | | | | | | | | | | | | | | | | _ |
| South Dakota | | | | | | | | | | | | | | | | 3 |
| Satistratic 33 51 88 335 306 580 1,637 2,542 9,132 12,020 10 11 26 97 9 | | | | | | | | | | | | | | | | _ |
| Delaware | | 33 | | | | | | | | | | 10 | | | 97 | 98 |
| Dorida | elaware | _ | 0 | 4 | 3 | 5 | 36 | 28 | 44 | 253 | 204 | _ | | 1 | | _ |
| Itaryland | | | | | | | | | | | | | 3 | 9 | | 23 |
| Orifi Carolina | | | | | | | | | | | | | | | | 24 17 |
| irginia | orth Carolina | _ | 0 | 0 | _ | _ | 160 | 310 | 571 | 2,081 | 3,376 | 2 | 0 | 8 | 5 | 12 |
| Vest Viginia | | | | | | | | | | | | | | | | 9 |
| Alabama ⁶ | Vest Virginia | _ | 0 | 6 | 1 | 2 | 5 | | | | | _ | | - | | 4 |
| Centucky | | | | | | | | | | | | | | | | 22 5 |
| Tennessee | Kentucky | N | 0 | 0 | N | N | 15 | 55 | 268 | 368 | 517 | | 0 | 1 | _ | 2 |
| Arkansass 6 6 3 13 19 7 67 81 142 605 755 — 0 2 — 2 — 2 — 2 — 2 — 2 — 3 — 3 — 2 — 3 — 3 | ∕lississippi 「ennessee§ | | | | | | | | | | | _ | | | | 15 |
| Duklahoma | V.S. Central | 6 | 6 | 21 | 36 | | 243 | 934 | 1,484 | 4,938 | 6,818 | 1 | 1 | | 14 | 12 |
| Oklahoma — 2 11 15 15 96 88 184 629 530 1 1 24 12 exas³ N 0 0 N N — 568 932 2,986 4,069 — 0 2 — Mountain 19 29 69 168 212 31 280 466 1,454 2,258 4 4 12 48 4 Arizona 1 3 10 33 27 4 117 231 426 727 3 2 9 28 1 Colorado 11 10 33 65 78 11 72 92 422 610 — 1 4 8 1 Colorado 11 10 33 3 12 15 28 2 2 0 25 30 — 0 1 1 4 | Arkansas [§] | 6 | | | | | | | | | | | | | | |
| Abountain 19 29 69 168 212 31 280 466 1,454 2,258 4 4 12 48 4 Arizona 1 3 10 33 27 4 117 231 426 727 3 2 9 28 1 Aorizona 1 1 10 33 65 78 11 72 92 422 610 — 1 4 8 1 Jacho ⁶ 3 3 3 12 15 28 2 2 20 25 30 — 0 1 1 4 8 1 dahofs — 0 1 1 4 8 1 devada ⁶ — 33 135 231 410 — 0 1 1 — elevada ⁶ — 33 135 231 410 — 0 2 3 28 | Oklahoma | | 2 | 11 | 15 | 15 | 96 | 88 | 184 | 629 | 530 | | 1 | 24 | 12 | 9 |
| Arizona 1 3 10 33 27 4 117 231 426 727 3 2 9 28 1 20 20 20 20 21 1 4 8 1 1 72 92 422 610 — 1 4 8 1 1 20 20 20 20 20 20 20 20 20 20 20 20 20 | | | | | | | | | | , | , | _ | | | | 1 |
| Colorado 11 10 33 65 78 11 72 92 422 610 — 1 4 8 1 daho 3 3 12 15 28 2 2 20 25 30 — 0 1 1 1 Alontana — 2 111 9 9 — 3 20 17 10 — 0 0 — — 4 Levada — 1 8 6 6 — 33 135 231 410 — 0 1 1 1 — 4 Lew Mexico — 1 6 8 9 8 31 65 213 288 — 0 2 3 Lew Mexico — 1 6 8 9 8 31 65 213 288 — 0 2 3 Lew Mexico — 1 4 3 3 — 2 5 5 5 34 — 0 1 — — 4 Lew Mexico — 1 4 3 3 3 — 2 5 5 5 34 — 0 1 — — 4 Lew Mexico — 1 4 3 3 3 — 2 5 5 5 34 — 0 1 — — 4 Lew Mexico — 1 1 7 11 3 10 10 27 68 75 — 0 2 4 Lalifornia 30 41 70 297 299 281 646 833 4,560 5,319 — 0 5 — 4 Law Alaw Alii — 1 4 11 8 — 15 30 74 154 — 0 1 — 4 Lew Mexico — 1 4 11 8 — 15 30 74 154 — 0 1 — 4 Lew Mexico — 1 4 11 8 — 15 30 74 154 — 0 1 — 4 Lew Mexico — 1 4 11 8 — 15 30 74 154 — 0 1 — 4 Lew Mexico — 1 4 11 8 — 15 30 74 154 — 0 1 — 4 Lew Mexico — 1 4 11 8 — 15 30 74 154 — 0 1 — 4 Lew Mexico — 1 4 11 8 — 15 30 74 154 — 0 1 — 4 Lew Mexico — 1 4 11 8 — 15 30 74 154 — 0 1 — 4 Lew Mexico — 1 4 11 8 — 15 30 74 154 — 0 1 — 4 Lew Mexico — 1 5 7 1 570 — 0 1 — 4 Lew Mexico — 1 5 7 142 571 570 — 0 1 — 4 Lew Mexico — 1 5 19 9 6 9 5 13 49 56 — 0 2 — — 6 0 0 — — — 6 0 0 — — — 6 0 0 — 6 Lew Mexico — 1 5 19 9 6 9 5 13 49 56 — 0 2 — 6 Lew Mexico — 1 4 8 12 5 19 9 6 9 5 13 49 56 — 0 2 — 6 0 0 2 — 6 Lew Mexico — 1 4 8 12 5 19 9 6 9 5 13 49 56 — 0 2 — 6 0 0 2 — 6 Lew Mexico — 1 4 8 12 5 19 9 6 9 5 13 49 56 — 0 2 — 6 0 0 2 — 6 Lew Mexico — 1 4 8 6 6 6 — 33 135 231 410 — 1 1 4 60 60 77 142 571 570 — 6 0 1 0 — 6 Lew Mexico — 1 4 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | | 19 1 | | | | | | | | | 707 | | | | | 16 |
| Montana [§] — 2 11 9 9 — 3 20 17 10 — 0 0 — - | | | | | | | | 72 | | | | | | | | 14 |
| New Mexico [§] — 1 6 8 9 8 31 65 213 288 — 0 2 3 Jtah 4 7 25 29 52 6 17 26 115 149 1 0 4 7 Vyoming [§] — 1 4 3 3 3 — 2 5 5 34 — 0 1 — - 2 Pacific 37 58 118 396 397 370 787 971 5,446 6,354 1 2 7 19 2 Naska — 1 17 11 3 10 10 27 68 75 — 0 2 4 Naska — 1 17 11 3 10 10 27 68 75 — 0 2 4 Naski — 1 4 11 8 — 15 30 74 154 — 0 1 — 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | ∕lontana§ | | 2 | 11 | 9 | 9 | | 3 | 20 | 17 | 10 | | 0 | 0 | _ | _ |
| Jtah 4 7 25 29 52 6 17 26 115 149 1 0 4 7 Vyoming§ — 1 4 3 3 — 2 5 5 34 — 0 4 7 Pacific 37 58 118 396 397 370 787 971 5,446 6,354 1 2 7 19 2 Alaska — 1 17 11 3 10 10 27 68 75 — 0 2 4 California 30 41 70 297 299 281 646 833 4,560 5,319 — 0 5 — I awaii — 1 4 11 8 — 15 30 74 154 — 0 1 — Oregon§ 4 8 12 | | | | | | | | | | | | | | | | - |
| Pacific 37 58 118 396 397 370 787 971 5,446 6,354 1 2 7 19 2 Alaska — 1 17 11 3 10 10 27 68 75 — 0 2 4 California 30 41 70 297 299 281 646 833 4,560 5,319 — 0 5 — Hawaii — 1 4 11 8 — 15 30 74 154 — 0 1 — Oregons 4 8 12 56 73 19 27 46 173 236 1 1 4 15 1 Washington 3 7 44 21 14 60 77 142 571 570 — 0 1 — American Samoa U | Jtah | 4 | 7 | 25 | 29 | 52 | 6 | 17 | 26 | 115 | 149 | 1 | 0 | 4 | | 3 |
| Alaska — 1 17 11 3 10 10 27 68 75 — 0 2 4 California 30 41 70 297 299 281 646 833 4,560 5,319 — 0 5 — Lewaii — 1 4 11 8 — 15 30 74 154 — 0 1 — Cregon§ 4 8 12 56 73 19 27 46 173 236 1 1 4 15 1 Washington 3 7 44 21 14 60 77 142 571 570 — 0 1 — American Samoa U 0 0 0 U U U 0 0 2 U U U 0 0 0 U C.N.M.I. U 0 0 0 U U U 0 0 0 U U C.N.M.I. U 0 0 0 — — — 0 0 0 — — — 0 0 — Cuerto Rico 1 5 19 9 6 9 5 13 49 56 — 0 2 — — | , , | 37 | - | | | | | | | | | 1 | | | 19 | |
| Hawaii — 1 4 11 8 — 15 30 74 154 — 0 1 — Dregon§ 4 8 12 56 73 19 27 46 173 236 1 1 4 15 1 Washington 3 7 44 21 14 60 77 142 571 570 — 0 1 — American Samoa U 0 0 U U U U 0 2 U U U 0 0 U U CN.M.I. U 0 0 U U U U U U U U U U U U U U U U | Alaska | _ | 1 | 17 | 11 | 3 | 10 | 10 | 27 | 68 | 75 | <u>.</u> | 0 | 2 | 4 | 2 |
| Oregon [§] 4 8 12 56 73 19 27 46 173 236 1 1 4 15 1 Vashington 3 7 44 21 14 60 77 142 571 570 — 0 1 — Atmerican Samoa U 0 0 U U U 0 2 U U U 0 0 U U C.N.M.I. U 0 0 U U U 0 0 U U 0 0 U U Guam — 0 0 — — — 0 0 — — — 0 0 — — - 0 0 — — - 0 0 — — - 0 0 — - - - 0 0 — - - 0 0 — - - - 0 0 — - - - - 0 0 — - - - 0 0 — - - - - 0 0 | | | | | | | | | | | | _ | | | | 2 |
| American Samoa U 0 0 U U U 0 2 U U U 0 0 U U CN.M.I. U 0 0 U U U 0 0 0 U U U U 0 0 0 U U Guam — 0 0 0 — — — 0 0 — — — 0 0 — — 0 0 — — 0 0 0 — 0 | Oregon§ | 4 | 8 | 12 | 56 | 73 | 19 | 27 | 46 | 173 | 236 | 1 | 1 | | 15 | 16 |
| Guam — 0 0 — — — 0 0 — — 0 0 — - Puerto Rico 1 5 19 9 6 9 5 13 49 56 — 0 2 — - | American Samoa | U | 0 | 0 | U | U | U | 0 | 2 | U | U | | 0 | 0 | | U |
| Puerto Rico 1 5 19 9 6 9 5 13 49 56 — 0 2 — - | C.N.M.I. Guam | <u>U</u> | | | <u>U</u> | | | | | | | <u>U</u> | | | | U |
| | Puerto Rico J.S. Virgin Islands | 1 U | | | 9 U | | 9 U | | | 49 U | | | | | U | |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Med: * Incidence data for reporting years 2006 and 2007 are provisional.
Data for *H. influenzae* (age <5 yrs for serotype b, nonserotype b, and unknown serotype) are available in Table I. Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Max: Maximum.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending February 24, 2007, and February 25, 2006 (8th Week)*

| | | | A | . (| cute), by ty | | | В | | | | Le | gionellos | sis | |
|---|-----------------|--------------|------------|-------------|--------------|--------------|---------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|-------------|
| | | Previo | | | | | Prev | | | | | | /ious | | |
| Reporting area | Current week | 52 we Med | eks Max | Cum 2007 | Cum 2006 | Current week | Med | eeks Max | Cum 2007 | Cum 2006 | Current week | 52 w Med | reeks Max | Cum 2007 | Cum 2006 |
| United States | 28 | 62 | 95 | 267 | 586 | 31 | 86 | 219 | 387 | 546 | 15 | 49 | 107 | 196 | 194 |
| New England | _ | 2 | 20 | 2 | 46 | _ | 2 | 4 | 4 | 33 | 1 | 1 | 12 | 3 | 11 |
| Connecticut Maine§ | _ | 1 0 | 2 2 | 1 | 4 2 | _ | 0 | 3 2 | _ | 15 3 | 1 | 0 | 9 2 | 2 | |
| lassachusetts | | 0 | 4 | | 28 | | 0 | 2 | _ | 11 | | 0 | 4 | _ | |
| ew Hampshire | _ | 0 | 16 | 1 | 7 | _ | 0 | 1 | _ | 3 | _ | 0 | 1 | _ | - |
| Rhode Island [§] /ermont [§] | _ | 0 0 | 2 2 | _ | 1 4 | _ | 0 | 4 1 | 4 | 1 | _ | 0 | 6 2 | | _ |
| lid. Atlantic | 3 | 7 | 19 | 30 | 48 | 1 | 8 | 17 | 41 | 78 | 4 | 15 | 53 | 47 | 5 |
| ew Jersey | _ | 1 | 5 | 3 | 14 | _ | 2 | 6 | 8 | 28 | _ | 2 | 11 | 10 | 1 |
| ew York (Upstate) ew York City | 3 | 1 2 | 11 11 | 9 12 | 5 18 | _ | 1 2 | 8 6 | 6 5 | 3 17 | 3 | 6 2 | 30 18 | 11 3 | 1 1 |
| ennsylvania | _ | 1 | 4 | 6 | 11 | 1 | 3 | 7 | 22 | 30 | 1 | 5 | 19 | 23 | 2 |
| .N. Central | 3 | 6 | 13 | 33 | 44 | 4 | 8 | 16 | 54 | 55 | 1 | 8 | 26 | 41 | 3 |
| linois ndiana | _ 1 | 1 0 | 4 9 | 10 1 | 10 3 | | 1 0 | 7 9 | | 10 1 | _ | 0 | 2 5 | | ; |
| lichigan | _ | 2 | 8 | 12 | 15 | _ | 3 | 8 | 23 | 27 | _ | 3 | 10 | 14 | |
| hio /isconsin | 2 | 1 1 | 4 4 | 10 | 12 4 | 3 | 2 | 10 3 | 26 3 | 15 2 | 1 | 4 1 | 19 3 | 24 1 | 1 |
| /.N. Central | | 2 | 8 | 8 | 25 | _ | 3 | 9 | 18 | 18 | _ | 1 | 15 | 10 | |
| owa | _ | 0 | 1 | 1 | 1 | _ | 0 | 2 | 3 | 3 | _ | 0 | 3 | 1 | _ |
| ansas linnesota | _ | 0 | 2 7 | _ | 15 — | _ | 0 | 2 5 | 1 | 3 | _ | 0 | 2 11 | _ 1 | _ |
| lissouri | _ | 1 | 3 | 4 | 5 | _ | 1 | 6 | 11 | 11 | _ | 0 | 2 | 6 | |
| ebraska [§] | _ | 0 | 2 | 1 | 2 | _ | 0 | 3 | 2 | 1 | _ | 0 | 2 | 1 | |
| orth Dakota outh Dakota | _ | 0 0 | 0 3 | | | _ | 0 | 0 1 | _ 1 | _ | _ | 0 | 0 1 | 1 | _ |
| . Atlantic | 7 | 9 | 26 | 58 | 90 | 14 | 23 | 42 | 126 | 150 | 3 | 9 | 23 | 54 | 4 |
| elaware | _ | 0 | 2 | _ | 2 | _ | 1 | 4 | 3 | 5 | _ | 0 | 2 | 1 | |
| istrict of Columbia orida | | 0 3 | 5 13 | 5 26 | 1 32 | 3 | 0 8 | 2 16 | <u> </u> | 1 63 | | 0 3 | 5 10 | 23 | 19 |
| eorgia | _ | 1 | 5 | 11 | 5 | 3 | 3 | 8 | 15 | 15 | 1 | 1 | 5 | 9 | |
| aryland [§] orth Carolina | 1 | 1 0 | 6 11 | 4 1 | 15 28 | 1 5 | 2 | 7 23 | 13 21 | 32 19 | _ | 2 | 8 5 | 12 3 | 1 |
| outh Carolina§ | _ | 0 | 3 | 2 | 4 | _ | 2 | 5 | 8 | 9 | | 0 | 2 | 2 | _ |
| rginia§ | 3 | 1 | 7 | 9 | 3 | 1 | 2 | 5 | 15 | 4 | _ | 1 | 5 | 3 | |
| Vest Virginia | _ | 0 | 3 | _ | _ | 1 | 0 | 7 | 4 | 2 | _ | 0 | 4 | 1 | |
| .S. Central labama§ | 2 | 2 | 8 3 | 8 1 | 20 1 | 3 | 7 2 | 23 13 | 25 10 | 53 19 | 2 | 2 | 9 2 | 10 1 | |
| entucky | _ | 0 | 5 | 2 | 7 | _ | 1 | 5 | 1 | 14 | _ | 1 | 5 | 4 | |
| lississippi ennessee§ | _ | 0 1 | 1 5 | 1 4 | 1 11 | 3 | 0 3 | 4 7 | 14 | 5 15 | | 0 1 | 2 7 | 5 | _ |
| /.S. Central | _ | 6 | 20 | 3 | 27 | 3 | 18 | 109 | 41 | 71 | 2 | 1 | 12 | 6 | : |
| rkansas§ | _ | 0 | 9 | 1 | 27 | 1 | 18 | 4 | 41 5 | 8 | _ | 0 | 12 | <u>6</u> | |
| ouisiana | _ | 0 | 4 | 2 | 1 | _ | 1 | 5 | 5 | 3 | _ | 0 | 2 | _ | - |
| klahoma exas§ | _ | 0 4 | 3 15 | _ | 1 23 | 1 1 | 0 14 | 14 90 | 2 29 | 60 | | 0 1 | 6 12 | 6 | _ |
| ountain | 4 | 5 | 12 | 34 | 65 | | 3 | 8 | 14 | 30 | 1 | 2 | 9 | 15 | |
| rizona | 3 | 3 | 9 | 29 | 41 | _ | 0 | 2 | _ | 7 | 1 | 1 | 4 | 4 | - |
| olorado aho§ | 1 | 1 0 | 3 2 | 4 | 9 3 | _ | 0 0 | 4 2 | 2 2 | 7 4 | _ | 0 | 2 3 | 2 1 | |
| ontana§ | _ | 0 | 3 | _ | 1 | _ | 0 | 0 | _ | _ | _ | 0 | 1 | _ | - |
| evada [§] ew Mexico [§] | _ | 0 | 1 2 | 1 | 3 4 | _ | 0 | 4 2 | 6 3 | 7 3 | _ | 0 | 2 1 | 2 2 | _ |
| tah | _ | 0 | 2 | _ | 4 | _ | 0 | 5 | 1 | 2 | = | 1 | 6 | 4 | _ |
| /yoming [§] | _ | 0 | 1 | _ | _ | _ | 0 | 1 | _ | _ | _ | 0 | Ö | _ | - |
| acific | 9 | 15 | 53 | 91 | 221 | 6 | 11 | 33 | 64 | 58 | 1 | 1 | 10 | 10 | 1 |
| laska alifornia | 8 | 0 13 | 0 48 | — 84 | 205 | 3 | 0 8 | 3 24 | 2 45 | <u> </u> | 1 | 0 1 | 0 10 | 10 | 1 |
| awaii | - | 0 | 2 | _ | 5 | _ | 0 | 1 | _ | _ | <u>.</u> | 0 | 0 | _ | - |
| regon [§] ∕ashington | _ 1 | 1 1 | 4 4 | 5 2 | 6 5 | 2 1 | 1 1 | 5 8 | 14 3 | 10 3 | _ | 0 | 0 | _ | _ |
| merican Samoa | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | - |
| .N.M.I. | Ü | 0 | Ö | Ü | Ü | Ü | 0 | 0 | Ü | Ü | Ü | 0 | 0 | Ü | ì |
| uam uerto Rico | _ | 0 1 | 0 | 4 | <u> </u> | _ 1 | 0 1 | 0 9 | <u> </u> | _ | _ | 0 | 0 | _ | - |
| uerto Rico I.S. Virgin Islands | U | 1 0 | 11 0 | 4 U | b U | 1 U | 1 0 | 9 | 4 U | U U | U | 0 | 1 0 | U | - |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

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

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

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending February 24, 2007, and February 25, 2006 (8th Week)*

| | | | yme disea | ase | | | | lalaria | | | Men | All | serogrou | se, invasi ups | ve [†] |
|--|---------|--------------|------------|----------|----------|---------|--------------|--------------|---------|----------|---------|--------|----------------|-------------------|-----------------|
| | Current | Prev 52 w | | Cum | Cum | Current | Prev 52 w | ious eeks | Cum | Cum | Current | | vious veeks | Cum | Cum |
| Reporting area | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 |
| United States | 49 | 247 | 1,014 | 745 | 680 | 4 | 24 | 46 | 85 | 195 | 8 | 19 | 45 | 129 | 208 |
| New England Connecticut | 1 1 | 19 8 | 260 227 | 45 13 | 54 20 | _ | 0 | 6 3 | _ | 7 | _ | 1 0 | 3 2 | 2 1 | 8 2 |
| Maine§ | | 2 | 34 | 20 | 10 | _ | 0 | 1 | _ | _ | _ | 0 | 3 | 1 | 2 |
| Massachusetts New Hampshire | _ | 0 3 | 3 95 | 8 | 14 8 | _ | 0 | 3 3 | _ | 5 1 | _ | 0 0 | 2 2 | _ | 4 |
| Rhode Island§ | _ | 0 | 93 | _ | 1 | _ | 0 | 1 | _ | _ | _ | 0 | 1 | _ | _ |
| Vermont§ Mid. Atlantic | _ | 1 144 | 15 | 4 381 | 1 423 | _ | 0 5 | 0 18 | | 1 52 | _ 2 | 0 2 | 1 | _ | _ |
| New Jersey | 21 — | 25 | 566 186 | 55 | 148 | _ | 1 | 7 | 15 — | 19 | _ | 0 | 11 2 | 14 | 33 3 |
| New York (Upstate) New York City | 18 | 59 3 | 369 24 | 88 1 | 58 6 | _ | 1 3 | 7 9 | 3 7 | 4 23 | _ | 1 1 | 4 4 | 2 3 | 3 14 |
| Pennsylvania | 3 | 43 | 234 | 237 | 211 | _ | 1 | 4 | 5 | 6 | 2 | Ö | 4 | 9 | 13 |
| E.N. Central | 1 | 12 | 158 | 9 | 40 | 1 | 2 | 8 | 12 | 23 | 1 | 2 | 12 | 16 | 19 |
| Illinois Indiana | _ | 0 0 | 0 3 | _ | _ | _ | 1 0 | 6 3 | 5 — | 9 3 | _ | 0 0 | 3 5 | 6 | 8 1 |
| Michigan Ohio | 1 | 0 | 5 5 | 3 2 | 2 4 | _ 1 | 0 | 2 | 2 | 2 6 | _ 1 | 0 1 | 4 4 | 5 5 | 3 4 |
| Wisconsin | _ | 11 | 154 | 4 | 34 | | 0 | 2 | 2 | 3 | | Ö | 2 | _ | 3 |
| W.N. Central | 1 | 5 | 169 | 14 | 9 | _ | 1 | 14 | 8 | 5 | 1 | 1 | 4 | 10 | 8 |
| Iowa Kansas | _ | 1 0 | 8 2 | 1 | <u>1</u> | _ | 0 0 | 1 2 | 1 | 1 | _ | 0 | 2 1 | 1 1 | _ |
| Minnesota Missouri | 1 | 2 | 167 2 | 13 | 8 | _ | 0 | 12 1 | 4 1 | 2 1 | _ | 0 | 3 3 | 5 | 4 |
| Nebraska§ | _ | 0 | 2 | _ | _ | _ | 0 | 1 | 2 | _ | 1 | 0 | 1 | 1 | 4 |
| North Dakota South Dakota | _ | 0 | 0 1 | _ | _ | _ | 0 | 1 0 | _ | _ 1 | _ | 0 | 1 1 | 1 | _ |
| S. Atlantic | 21 | 39 | 131 | 265 | 140 | 1 | 6 | 14 | 30 | 55 | 2 | 4 | 10 | 21 | 37 |
| Delaware District of Columbia | _ | 7 0 | 28 7 | 41 | 48 3 | _ | 0 | 1 2 | 1 1 | _ | _ | 0 | 1 1 | _ | 2 |
| Florida | _ | 1 | 5 | 7 | 3 | _ | 1 | 4 | 8 | 5 | 1 | 2 | 7 | 8 | 13 |
| Georgia Maryland [§] | 13 | 0 20 | 1 88 | — 186 | 1 80 | 1 | 1 1 | 6 5 | 4 8 | 16 18 | 1 | 0 | 3 2 | 4 5 | 2 |
| North Carolina | _ | 0 | 4 2 | _ | 5 | _ | 0 | 4 | 2 | 4 | _ | 0 | 6 2 | | 11 |
| South Carolina§ Virginia§ | 8 | 6 | 36 | 1 30 | _ | _ | 1 | 4 | 6 | 10 | _ | 0 | 4 | 2 | 2 |
| West Virginia | _ | 0 | 10 | _ | _ | _ | 0 | 1 | _ | _ | _ | 0 | 2 | _ | _ |
| E.S. Central Alabama [§] | _ | 1 0 | 3 3 | 4 1 | _ | _ | 0 | 3 2 | 5 — | 5 2 | _ | 1 0 | 3 2 | 8 2 | 6 1 |
| Kentucky | _ | 0 | 2 | _ | _ | _ | 0 | 1 | 1 | 1 | _ | 0 | 1 | _ | 1 |
| Mississippi Tennessee [§] | _ | 0 0 | 1 2 | 3 | _ | _ | 0 0 | 1 2 | 1 3 | 1 1 | _ | 0 0 | 2 | 2 4 | 1 3 |
| W.S. Central | 1 | 0 | 5 | 2 | _ | _ | 1 | 7 | 2 | 5 | _ | 1 | 5 | 9 | 8 |
| Arkansas [§] Louisiana | _ | 0 | 0 1 | _ | _ | _ | 0 | 2 1 | _ 1 | _ | _ | 0 | 1 2 | _ 1 | 2 |
| Oklahoma | _ | 0 | 0 | _ | _ | _ | 0 | 2 | 1 | 1 | _ | 0 | 3 | 4 | 3 |
| Texas [§] Mountain | 1 | 0 | 5 3 | 2 | _ 1 | _ | 1 | 6 6 | _ | 4 11 | | 0 1 | 5 4 | 4 12 | 3 19 |
| Arizona | _ | 0 | 2 | _ | 1 | _ | 0 | 3 | _ | 2 | _ | 0 | 2 | 2 | 8 |
| Colorado Idaho§ | _ | 0 | 1 2 | _ | _ | _ | 0 | 2 1 | _ | 4 | 1 | 0 | 2 1 | 2 1 | 8 |
| Montana§ | _ | 0 | 1 | 1 | _ | _ | 0 | 1 | _ | _ | _ | 0 | 1 | 1 | _ |
| Nevada [§] New Mexico [§] | _ | 0 | 1 1 | 1 | _ | _ | 0 | 1 1 | _ | _ | _ | 0 | 0 1 | 1 | _ |
| Utah Wyoming [§] | _ | 0 | 1 1 | _ | _ | _ | 0 | 2 | _ | 5 | 1 | 0 | 2 2 | 5 | 3 |
| Pacific | 3 | 3 | 23 | 23 | 13 | _ | 4 | 13 | 13 | 32 | | 5 | 16 | 37 | 70 |
| Alaska | 1 | 0 | 1 | 2 | _ | _ | 0 | 4 | 2 | 2 | _ | 0 | 1 | 1 | 2 |
| California Hawaii | 2 N | 2 | 21 0 | 19 N | 13 N | 2 | 2 | 6 2 | 7 | 25 — | _ | 3 0 | 10 2 | 27 2 | 43 |
| Oregon§ | | 0 | 2 | 2 | <u></u> | _ | 0 | 3 6 | 3 | 3 | _ | 0 | 4 | 4 | 17 |
| Washington American Samoa | U U | 0 | 2 0 | _ U | U | U U | 0 | 6 | 1 U | 2 U | U U | 0 | 5 0 | 3 | 8 |
| C.N.M.I. | Ü | 0 | 0 | Ü | Ü | Ü | 0 | 0 | Ü | Ü | Ü | 0 | 0 | _ | _ |
| Guam Puerto Rico | N | 0 | 0 | N | N | _ | 0 | 0 1 | _ | _ | _ | 0 | 0 1 | _ 1 | _ |
| U.S. Virgin Islands | Ü | 0 | 0 | Ü | Ü | U | 0 | Ö | U | U | U | ő | Ö | | _ |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

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

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

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

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending February 24, 2007, and February 25, 2006 (8th Week)*

| | | | Pertussi | s | | | | ies, anim | nal | | Ro | | | otted feve | er |
|--|---------|---------|--------------------|-------------|-------------|-----------------|---------|----------------|--------------|-------------|----------|--------|---------------------|-------------|-------------|
| | Current | | rious eeks | C | Cu | Current | | /ious /eeks | C | C: | Current | | /ious | C | C |
| Reporting area | week | Med | <u>eeкs</u> Мах | Cum 2007 | Cum 2006 | Current week | Med | Max | Cum 2007 | Cum 2006 | week | Med | <u>reeks</u> Max | Cum 2007 | Cum 2006 |
| United States | 72 | 255 | 670 | 862 | 2,065 | 50 | 107 | 171 | 392 | 658 | 6 | 35 | 118 | 40 | 216 |
| New England | 1 | 21 | 53 | 16 | 236 | 1 | 12 | 26 | 59 | 54 | _ | 0 | 1 | _ | _ |
| Connecticut Maine [†] | _ | 1 1 | 9 14 | 7 | 14 15 | _ 1 | 4 2 | 14 8 | 29 10 | 13 8 | N | 0 | 0 | N | N |
| Massachusetts | _ 1 | 7 | 28 27 | _ | 184 | _ | 2 | 17 5 | - | 25 | _ | 0 | 1 | _ | _ |
| New Hampshire Rhode Island [†] | | 2 0 | 17 | 6 | | _ | 1 0 | 3 | 4 | 1 1 | _ | 0 | 1 1 | _ | _ |
| Vermont [†] | _ | 1 | 14 | 3 | 21 | _ | 2 | 5 | 8 | 6 | _ | 0 | 0 | _ | _ |
| Mid. Atlantic New Jersey | 14 | 36 4 | 149 13 | 224 7 | 232 65 | _ | 17 0 | 57 0 | 38 | 88 — | _ | 1 0 | 6 1 | 5 | 5 1 |
| New York (Úpstate) | 11 | 21 | 143 | 158 | 41 | _ | 0 | 0 | _ | _ | _ | 0 | 2 | _ | _ |
| New York City Pennsylvania | 3 | 0 11 | 8 26 | 59 | 12 114 | _ | 1 16 | 5 56 | 8 30 | 88 | _ | 0 1 | 3 4 | <u></u> | 1 3 |
| E.N. Central | 15 | 41 | 77 | 193 | 388 | _ | 2 | 18 | _ | 3 | _ | 1 | 6 | 1 | 2 |
| Illinois Indiana | 1 | 8 4 | 17 23 | _ 1 | 102 19 | _ | 0 | 7 2 | _ | 1 | _ | 0 | 4 1 | _ | 1 |
| Michigan | 2 | 11 | 39 | 48 | 78 | _ | 0 | 5 | _ | 2 | _ | 0 | 1 | 1 | _ |
| Ohio Wisconsin | 12 — | 11 2 | 56 8 | 144 | 135 54 | _ | 0 0 | 9 0 | _ | _ | _ | 0 0 | 4 1 | _ | 1 |
| W.N. Central | 5 | 19 | 84 | 68 | 283 | 3 | 6 | 20 | 21 | 17 | 1 | 2 | 14 | 7 | 3 |
| Iowa Kansas | 4 | 5 4 | 12 13 | 18 36 | 84 79 | 3 | 1 2 | 7 5 | 2 13 | 3 3 | _ | 0 | 1 1 | _ | _ |
| Minnesota | _ | 0 | 76 | _ | _ | _ | 0 | 6 | 2 | 1 | _ | 0 | 2 | _ | _ |
| Missouri Nebraska [†] | _ | 5 1 | 13 9 | 7 1 | 87 30 | _ | 1 0 | 6 0 | 1 | 1 | <u>1</u> | 2 0 | 12 5 | 7 | 3 |
| North Dakota South Dakota | 1 | 0 | 9 4 | 1 5 | 2 1 | _ | 0 | 7 4 | 3 | 2 7 | _ | 0 | 0 | _ | _ |
| S. Atlantic | 7 | 17 | 136 | 94 | 143 | 44 | 39 | 62 | 229 | 370 | 5 | 13 | 68 | 14 | 200 |
| Delaware District of Columbia | _ | 0 | 1 2 | _ 1 | 1 2 | _ | 0 | 0 | _ | _ | _ | 0 | 3 1 | 1 | 2 |
| Florida | 4 | 4 | 20 | 45 | 40 | 5 | 0 | 7 | 26 | 176 | _ | 0 | 5 | _ | 5 |
| Georgia Maryland [†] | | 0 2 | 3 6 | 19 | 6 39 | 12 | 5 6 | 16 13 | 28 18 | 31 39 | | 1 1 | 5 7 | 1 6 | 2 7 |
| North Carolina South Carolina | _ | 0 3 | 94 11 | 13 | 19 22 | 13 2 | 9 3 | 22 11 | 55 14 | 26 17 | 3 | 5 0 | 61 5 | 3 1 | 183 1 |
| Virginia [†] | 1 | 3 | 19 | 16 | 12 | 10 | 13 | 27 | 80 | 71 | _ | 2 | 13 | 2 | |
| West Virginia | _ | 0 | 9 | _ | 2 | 2 | 2 | 7 | 8 | 10 | _ | 0 | 2 | _ | _ |
| E.S. Central Alabama [†] | 5 | 6 2 | 28 19 | 34 11 | 51 12 | _ | 4 1 | 13 8 | 8 | 28 9 | _ | 6 2 | 31 11 | 11 5 | 4 |
| Kentucky | _ | 0 | 5 | _ 1 | 8 9 | _ | 0 | 4 | 4 | 1 | _ | 0 | 1 | _ | _ |
| Mississippi Tennessee [†] | 5 | 3 | 4 11 | 22 | 22 | _ | 2 | 9 | 4 | 18 | _ | 4 | 1 22 | 6 | 4 |
| W.S. Central | 1 | 18 | 119 | 29 | 70 | _ | 5 | 34 | 10 | 68 | _ | 1 | 27 | _ | 2 |
| Arkansas† Louisiana | _ | 1 0 | 13 2 | _ 1 | 5 2 | _ | 0 | 5 0 | 2 | 1 | _ | 0 | 10 1 | _ | 2 |
| Oklahoma Texas [†] | _ 1 | 0 14 | 9 106 | | 1 62 | _ | 1 | 9 29 | 8 | 5 62 | _ | 0 | 18 | _ | _ |
| Mountain | 21 | 41 | 88 | 28 163 | 502 | 1 | 3 | 29 27 | 8 | 16 | _ | 0 | 4 5 | _ | |
| Arizona | 2 | 7 | 29 | 23 | 88 | 1 | 2 | 10 | 7 | 16 | _ | 0 | 2 | _ | _ |
| Colorado Idaho† | 6 | 9 1 | 32 7 | 60 8 | 253 17 | _ | 0 | 0 25 | _ | _ | _ | 0 | 1 3 | 1 1 | _ |
| Montana [†] | 2 | 1 | 9 | 7 | 25 | _ | 0 | 2 | _ | _ | _ | 0 | 2 | _ | _ |
| Nevada† New Mexico† | _ | 0 2 | 6 8 | | 6 7 | _ | 0 0 | 2 | _ | _ | _ | 0 0 | 0 2 | _ | _ |
| Utah Wyoming [†] | 11 | 13 1 | 39 8 | 52 8 | 97 9 | _ | 0 | 1 2 | 1 | _ | _ | 0 | 2 1 | _ | _ |
| Pacific | 3 | 28 | 226 | 41 | 160 | 1 | 4 | 12 | 19 | 14 | _ | 0 | 1 | _ | _ |
| Alaska | | 1 21 | 8 | 8 | 18 | _ | 0 | 6 11 | 14 | 7 7 | N | 0 | 0 1 | N | N |
| California Hawaii | _ | 1 | 223 6 | 2 | 62 25 | 1 N | 3 0 | 0 | 5 N | Ń | N | 0 | Ö | N | N |
| Oregon [†] Washington | | 1 5 | 8 46 | 15 16 | 34 21 | _ | 0 | 4 0 | _ | _ | N | 0 | 1 0 | N | N |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |
| C.N.M.I. Guam | Ŭ | 0 | 0 | Ü | Ü | Ü | 0 | 0 | Ü | Ü | Ü | 0 | 0 | Ŭ N | Ü |
| Puerto Rico | _ | 0 | 1 | _ | _ | 4 | 1 | 6 | 11 | 14 | N | 0 | 0 | N | N N |
| U.S. Virgin Islands | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

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

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

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending February 24, 2007, and February 25, 2006 (8th Week)*

| | | S | almonello | sis | | Shiga t | oxin-pro | ducing E | . coli (ST | EC)† | | 9 | Shigellos | is | |
|---|---|---|--|---|---|---------------------------------|--|---|---|--|------------------------------------|--|--|--|--|
| | 0 | | ious | 0 | 0 | 0 | | /ious | 0 | 0 | 0 | | vious | 0 | 0 |
| Reporting area | Current week | Med | eeks Max | Cum 2007 | Cum 2006 | Current week | Med | reeks Max | Cum 2007 | Cum 2006 | Current week | Med | veeks Max | Cum 2007 | Cum 2006 |
| United States | 302 | 823 | 1,368 | 3,521 | 4,333 | 16 | 68 | 173 | 181 | 270 | 108 | 258 | 485 | 1,244 | 1,504 |
| New England Connecticut Maine ^{\$} Massachusetts New Hampshire Rhode Island ^{\$} Vermont ^{\$} | _ _ _ _ | 19 0 2 11 3 1 | 82 38 13 53 25 10 6 | 73 38 14 — 9 8 4 | 631 479 9 124 13 4 | 1 1 - - | 2 0 0 0 0 0 | 16 0 8 9 3 2 4 | 3 1 - 2 - | 85 72 1 8 2 1 | _ _ _ _ | 2 0 0 2 0 0 | 14 5 2 11 2 3 | 8 5 2 — 1 — | 99 64 — 29 3 3 |
| Mid. Atlantic New Jersey New York (Upstate) New York City Pennsylvania | 28 — 18 1 9 | 90 14 26 24 30 | 190 49 84 50 67 | 470 39 135 116 180 | 451 83 61 140 167 | 1 1 — | 8 1 3 0 2 | 63 4 14 4 49 | 23 1 11 1 1 | 16 3 4 2 7 | 2 2 — | 16 3 4 5 | 44 35 41 14 6 | 49 1 11 30 7 | 130 47 36 36 11 |
| E.N. Central Illinois Indiana Michigan Ohio Wisconsin | 34 — 11 2 21 — | 103 25 15 18 23 17 | 196 59 55 35 56 27 | 297 15 40 58 144 40 | 549 160 48 111 143 87 | | 10 1 1 1 3 2 | 58 7 8 6 18 39 | 31 — 5 25 1 | 36 5 5 8 8 | 4 - - 4 - | 22 8 2 2 3 3 | 64 46 17 8 14 10 | 50 6 8 4 22 10 | 146 59 15 36 20 16 |
| W.N. Central lowa Kansas Minnesota Missouri Nebraska [§] North Dakota South Dakota | 21 4 — 13 1 3 — | 47 8 7 11 14 4 0 3 | 109 26 16 60 35 9 5 | 246 37 39 39 85 18 5 23 | 252 41 38 50 78 25 — | _ _ _ _ _ | 12 1 0 3 2 1 0 | 43 22 4 27 13 11 0 5 | 23 2 12 5 4 | 32 5 14 11 2 | 31 2 — 25 1 3 — | 36 2 2 4 9 1 0 6 | 77 13 11 24 69 14 18 24 | 217 5 6 35 153 3 3 | 165 2 14 13 102 21 1 |
| S. Atlantic Delaware District of Columbia Florida Georgia Maryland [§] North Carolina South Carolina [§] Virginia [§] West Virginia | 117 — 50 17 12 22 7 8 1 | 221 2 1 95 34 13 29 19 20 | 396 10 4 176 67 33 130 51 57 | 1,283 6 6 544 247 90 204 82 97 7 | 1,052 11 11 462 135 77 236 56 57 7 | 4 — 2 1 1 — — | 11 0 0 2 1 2 2 0 2 | 32 3 1 9 7 9 11 3 11 5 | 54 3 — 17 6 13 4 — 11 | 41 — 8 7 6 15 1 4 | 44 — 29 12 1 — 1 | 63 0 0 32 24 2 1 1 2 | 145 2 2 76 56 10 21 9 | 510 1 2 299 186 11 — 6 5 | 341 — 3 152 106 21 39 17 3 |
| E.S. Central Alabama [§] Kentucky Mississippi Tennessee [§] | 18 1 2 — 15 | 63 22 8 12 17 | 153 95 23 42 32 | 212 61 50 5 96 | 257 107 45 39 66 | 1 1 — | 4 0 1 0 3 | 21 5 12 0 9 | 9 1 2 — 6 | 20 2 6 — 12 | 7 4 — — 3 | 13 5 3 1 3 | 84 75 15 13 | 84 31 10 1 42 | 109 16 64 18 11 |
| W.S. Central Arkansas [§] Louisiana Oklahoma Texas [§] | 6 3 — 3 — | 83 15 15 8 46 | 186 45 42 40 105 | 94 32 27 33 2 | 242 70 32 30 110 | 1 - - - 1 | 3 0 0 0 2 | 36 7 1 17 32 | 6 3 — 1 2 | 1 - - 1 | 4 - 3 1 | 36 2 2 2 2 | 179 10 24 9 166 | 77 9 10 8 50 | 129 5 2 14 108 |
| Mountain Arizona Colorado Idaho [§] Montana [§] Nevada [§] New Mexico [§] Utah Wyoming [§] | 19 6 11 2 — — — | 51 18 12 3 2 2 4 5 | 87 45 30 9 10 20 15 15 | 261 102 65 19 12 14 19 22 | 314 122 70 23 13 19 26 31 | 1 1 - - - - | 8 2 1 2 0 0 1 1 | 35 13 8 8 0 4 5 14 3 | 14 7 1 1 — — 3 2 | 28 11 7 4 — 2 3 1 | 5 3 2 — — — — | 26 11 3 0 0 1 2 1 | 87 35 15 3 13 20 15 6 | 83 47 11 1 2 8 9 3 | 121 68 12 4 — 10 17 9 |
| Pacific Alaska California Hawaii Oregon ^s Washington | 59 3 52 — 4 | 115 1 89 5 8 10 | 273 4 212 16 16 60 | 585 8 480 31 33 33 | 585 17 465 34 55 14 | 7 N 5 — | 4 0 0 0 1 2 | 17 0 1 2 9 | 18 N 9 1 3 5 | 11 N N 1 7 3 | 11 10 — — | 32 0 29 0 1 | 87 2 76 3 6 | 166 5 141 4 8 8 | 264 1 194 10 46 13 |
| American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands | U U 5 U | 0 0 0 13 0 | 0 0 0 65 0 | U U 25 U | U U 21 U | U U N — | 0 0 0 0 | 0 0 0 0 | U U N — | U U N — | U U — U | 0 0 0 0 | 0 0 0 6 | U U — U | U U - 2 U |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Me

* Incidence data for reporting years 2006 and 2007 are provisional.
Includes *E. coli* O157:H7; Shiga toxin-positive, serogroup non-O157; and Shiga toxin-positive, not serogrouped.

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending February 24, 2007, and February 25, 2006 (8th Week)*

| (8th Week)* | Stre | <u> </u> | | nvasive, gr | oup A | Strepto | | | | | |
|---|-----------------|----------|-----------------------|--------------|-------------|--------------|--------|-----------------------|-------------|-------------|--|
| Reporting area | Current week | | rious reeks Max | Cum 2007 | Cum 2006 | Current week | | rious reeks Max | Cum 2007 | Cum 2006 | |
| United States | 62 | 84 | 213 | 593 | 908 | 27 | 23 | 74 | 192 | 185 | |
| New England | 1 | 2 | 15 | 11 | 36 | _ | 1 | 4 | 6 | 8 | |
| Connecticut Maine [§] | _ | 0 0 | 0 | _ | _ 3 | _ | 0 0 | 0 2 | _ | _ | |
| Massachusetts | _ | 1 | 2 5 | _ | 3 27 | _ | 0 | 4 | _ | 7 | |
| New Hampshire | 1 | 0 | 9 | 3 | 5 | _ | 0 | 4 | 2 | 1 | |
| Rhode Island [§] Vermont [§] | _ | 0 0 | 4 2 | <u> </u> | 1 | _ | 0 0 | 3 1 | 3 1 | _ | |
| Mid. Atlantic | 10 | 14 | 40 | 93 | 174 | 3 | 3 | 16 | 23 | 26 | |
| New Jersey | _ | 2 | 8 | 6 | 41 | _ | 1 | 4 | _ | 9 | |
| New York (Upstate) | 4 1 | 5 3 | 24 | 34 | 29 37 | 3 | 2 | 13 | 23 | 15 | |
| New York City Pennsylvania | 5 | 6 | 8 13 | 13 40 | 67 | N | 0 | 2 0 | N | 2 N | |
| E.N. Central | 14 | 14 | 45 | 105 | 205 | 5 | 6 | 14 | 36 | 55 | |
| Illinois | _ | 4 | 12 | 15 | 78 | _ | 1 | 6 | 4 | 12 | |
| Indiana Michigan | 3 | 2 3 | 9 11 | 12 18 | 23 43 | | 0 1 | 10 5 | 4 14 | 6 17 | |
| Ohio | 11 | 4 | 19 | 60 | 45 45 | 4 | 1 | 7 | 13 | 12 | |
| Wisconsin | _ | 1 | 4 | _ | 16 | _ | 0 | 2 | 1 | 8 | |
| W.N. Central | 7 | 5 | 57 | 41 | 36 | 1 | 2 | 10 | 11 | 7 | |
| lowa Kansas | _ 1 | 0 1 | 0 3 | 10 | 18 | _ | 0 0 | 0 3 | _ | 4 | |
| Minnesota | _ | 0 | 52 | _ | _ | _ | 1 | 7 | _ | _ | |
| Missouri | 5 | 2 | 5 | 26 | 10 | | 0 | 2 | 6 | 2 | |
| Nebraska [§] North Dakota | _ 1 | 0 0 | 2 2 | 1 2 | 7 1 | 1 | 0 0 | 2 1 | 2 1 | 1 | |
| South Dakota | <u>'</u> | Ö | 2 | 2 | <u>.</u> | _ | Ö | Ö | | _ | |
| S. Atlantic | 17 | 21 | 45 | 158 | 212 | 8 | 1 | 9 | 43 | 13 | |
| Delaware | _ | 0 | 2 | - | 1 | _ | 0 | 0 | _ | _ | |
| District of Columbia Florida | - 7 | 0 5 | 2 16 | 1 37 | 4 54 | | 0 | 1 2 | 8 | _ | |
| Georgia | 5 | 5 | 12 | 51 | 55 | 1 | Ö | 3 | 12 | _ | |
| Maryland [§] | 4 | 4 | 12 | 29 | 39 | 5 | 1 | 5 | 18 | 9 | |
| North Carolina South Carolina [§] | _ | 0 1 | 26 6 | 14 8 | 21 17 | _ | 0 0 | 0 2 | 4 | _ | |
| Virginia§ | 1 | 2 | 9 | 15 | 15 | _ | 0 | 1 | 1 | _ | |
| West Virginia | _ | 0 | 6 | 3 | 6 | _ | 0 | 2 | _ | 4 | |
| E.S. Central | 1 | 4 | 11 | 30 | 40 | 1 | 0 | 6 | 13 | 5 | |
| Alabama [§] Kentucky | <u>N</u> | 0 | 0 5 | N 8 | N 8 | N | 0 | 0 0 | N | N | |
| Mississippi | N | 0 | 0 | N | N | _ | 0 | 1 | _ | 5 | |
| Tennessee§ | 1 | 3 | 9 | 22 | 32 | 1 | 0 | 6 | 13 | _ | |
| W.S. Central | 2 | 6 | 36 | 35 | 63 | 3 | 4 | 36 | 24 | 29 | |
| Arkansas [§] Louisiana | _ | 0 | 5 2 | 4 2 | 1 1 | _ | 0 | 2 1 | 3 2 | 6 | |
| Oklahoma | 2 | 2 | 6 | 18 | 27 | 3 | 1 | 12 | 11 | 12 | |
| Texas [§] | _ | 4 | 32 | 11 | 34 | _ | 2 | 21 | 8 | 11 | |
| Mountain | 10 | 11 | 42 | 105 | 123 | 5 | 4 | 12 | 31 | 42 | |
| Arizona Colorado | 2 4 | 5 3 | 34 7 | 45 28 | 69 25 | 3 2 | 2 1 | 9 4 | 20 9 | 25 11 | |
| Idaho§ | 1 | 0 | 1 | 3 | 2 | _ | 0 | 1 | _ | 1 | |
| Montana [§] Nevada [§] | N | 0 | 0 | N 3 | N | N | 0 | 0 0 | N | N | |
| New Mexico§ | | 1 | 3 5 | 8 | 11 | _ | 0 | 2 | | <u> </u> | |
| Utah | 1 | 1 | 5 | 17 | 15 | _ | 0 | 0 | _ | _ | |
| Wyoming [§] | _ | 0 | 1 | 1 | 1 | _ | 0 | 0 | _ | _ | |
| Pacific | _ | 2 | 9 2 | 15 | 19 N | 1 | 0 | 2 2 | 5 | _ | |
| Alaska California | N | 0 | 0 | 5 N | N N | 1 N | 0 | 0 | 5 N | N | |
| Hawaii | _ | 2 | 9 | 10 | 19 | _ | 0 | 1 | _ | _ | |
| Oregon [§] Washington | N N | 0 | 0 0 | N N | N N | N N | 0 | 0 | N N | N N | |
| • | U | 0 | 0 | U | U | U | 0 | 0 | U | U | |
| American Samoa C.N.M.I. | U | 0 | 0 | U | U | U | 0 | 0 | U | U | |
| Guam | _ | 0 | 0 | _ | _ | N | 0 | 0 | Ň | N | |
| Puerto Rico U.S. Virgin Islands | _ U | 0 | 0 0 | U | U | N U | 0 | 0 0 | N U | N U | |
| O.S. VIIGIT ISIATIUS | | 0 | U | 0 | 0 | <u> </u> | 0 | U | 0 | <u> </u> | |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

* Incidence data for reporting years 2006 and 2007 are provisional.
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 February 24, 2007, and February 25, 2006 (8th Week)*

| | Streptococcus pneumoniae, invasive disease, drug resistant [†] All ages Age <5 years | | | | | | | | | | | Syphilis, primary and secondary | | | | | | |
|--|---|---------|---------|---------|---------|---------|--------|--------|--------|------------|---------|---------------------------------|----------|-----------|-----------|--|--|--|
| | | Previ | | 1 | | | | /ious | S | <u>Syp</u> | | vious | a secona | агу | | | | |
| | Current | 52 we | | Cum | Cum | Current | | reeks_ | Cum | Cum | Current | | veeks_ | Cum | Cum | | | |
| Reporting area | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 | | | |
| United States | 34 | 44 | 99 | 423 | 481 | 12 | 6 | 19 | 53 | 65 | 63 | 181 | 233 | 1,031 | 1,294 | | | |
| New England | _ | 1 | 4 | 10 | 5 | _ | 0 | 1 | _ | 1 | 2 | 4 | 11 | 26 | 27 | | | |
| Connecticut Maine§ | _ | 0 | 0 2 | 3 | | _ | 0 | 0 1 | _ | _ | _ | 0 | 6 2 | 4 | 1 | | | |
| Massachusetts | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | 2 | 2 | 7 | 15 | 19 | | | |
| New Hampshire Rhode Island§ | _ | 0 | 0 2 | 3 | _ | _ | 0 | 0 1 | _ | _ | _ | 0 | 2 | 4 3 | 4 | | | |
| Vermont§ | _ | ő | 2 | 4 | 3 | _ | ő | 1 | _ | 1 | _ | ŏ | 1 | _ | | | | |
| Mid. Atlantic | 3 | 3 | 8 | 28 | 23 | _ | 0 | 4 | 4 | 2 | 19 | 23 | 35 | 204 | 146 | | | |
| New Jersey New York (Upstate) | | 0 1 | 0 5 | 8 | 6 | _ | 0 0 | 0 3 | | _ | 1 4 | 3 3 | 8 13 | 20 14 | 26 16 | | | |
| New York City | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | 13 | 11 | 27 | 136 | 72 | | | |
| Pennsylvania | 1 | 2 | 6 | 20 | 17 | _ | 0 | 2 | 3 | 2 | 1 | 5 | 12 | 34 | 32 | | | |
| E.N. Central Illinois | 7 | 10 0 | 40 2 | 118 | 94 7 | 4 | 1 0 | 8 1 | 15 | 19 2 | 6 1 | 15 7 | 32 13 | 79 13 | 149 86 | | | |
| Indiana | 1 | 2 | 24 | 18 | 10 | 2 | 0 | 5 | 3 | 5 | | 2 | 5 | 5 | 14 | | | |
| Michigan Ohio | <u> </u> | 0 5 | 3 38 | 100 | 7 70 | _ 2 | 0 1 | 1 5 | 12 | 1 11 | 5 | 2 4 | 10 9 | 20 34 | 10 31 | | | |
| Wisconsin | N | 0 | 0 | N | N | _ | Ó | 0 | _ | | _ | 1 | 4 | 7 | 8 | | | |
| W.N. Central | _ | 1 | 51 | 11 | 8 | _ | 0 | 10 | 1 | 1 | 2 | 5 | 13 | 29 | 32 | | | |
| Iowa Kansas | _ | 0 | 0 1 | _ 1 | _ | _ | 0 | 0 | _ | _ | _ | 0 | 3 3 | _ 3 | 2 | | | |
| Minnesota | _ | 0 | 50 | | _ | _ | 0 | 10 | _ | _ | 1 | 0 | 5 | 15 | 9 | | | |
| Missouri | _ | 1 | 3 | 10 | 8 | _ | 0 | 1 | _ | 1 | 1 | 3 | 9 | 11 | 16 | | | |
| Nebraska§ North Dakota | _ | 0 0 | 1 0 | _ | _ | _ | 0 | 0 | _ | _ | _ | 0 | 2 1 | _ | 1 | | | |
| South Dakota | _ | 0 | 3 | _ | _ | _ | 0 | 1 | 1 | _ | _ | 0 | 3 | _ | _ | | | |
| S. Atlantic | 19 | 21 | 49 | 201 | 283 | 7 | 2 | 8 | 28 | 24 | 18 | 42 | 114 | 237 | 264 | | | |
| Delaware District of Columbia | _ | 0 | 0 3 | | 8 | _ | 0 | 0 2 | _ | _ | 5 | 0 2 | 3 7 | 2 23 | 6 21 | | | |
| Florida | 13 | 12 | 29 | 111 | 113 | 7 | 2 | 8 | 24 | 23 | _ | 14 | 23 | 68 | 112 | | | |
| Georgia Maryland§ | 6 | 7 0 | 24 0 | 81 — | 143 | _ | 0 | 1 0 | _ | 1 | 3 | 7 6 | 83 14 | 5 45 | 10 39 | | | |
| North Carolina | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | 3 | 5 | 21 | 45 | 45 | | | |
| South Carolina§ Virginia§ | N | 0 | 0 | N | N | _ | 0 | 0 | _ | _ | 1 6 | 1 3 | 5 17 | 15 34 | 15 16 | | | |
| West Virginia | _ | 1 | 14 | 7 | 19 | _ | Ö | 1 | 4 | _ | _ | Ö | 2 | _ | _ | | | |
| E.S. Central | 1 | 2 | 11 | 26 | 42 | 1 | 0 | 2 | 4 | 6 | 5 | 14 | 30 | 91 | 87 | | | |
| Alabama [§] Kentucky | N — | 0 | 0 3 | N 6 | N 8 | _ | 0 | 0 2 | _ | _ | 1 | 5 1 | 18 9 | 26 11 | 43 6 | | | |
| Mississippi | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | _ | 1 | 8 | 15 | 13 | | | |
| Tennessee§ | 1 | 2 | 10 | 20 | 34 | 1 | 0 | 2 | 4 | 6 | 4 | 5 | 12 | 39 | 25 | | | |
| W.S. Central Arkansas§ | 2 1 | 1 0 | 5 3 | 20 1 | 3 3 | _ | 0 | 1 0 | _ | 2 2 | 7 3 | 29 1 | 57 7 | 189 15 | 203 13 | | | |
| Louisiana | _ | 0 | 2 | 2 | _ | _ | 0 | 1 | _ | _ | 3 | 6 | 30 | 43 | 23 | | | |
| Oklahoma Texas [§] | 1 | 0 0 | 4 0 | 17 | _ | _ | 0 | 0 | _ | _ | 1 | 1 21 | 4 34 | 14 117 | 10 157 | | | |
| Mountain | 2 | 1 | 7 | 9 | 23 | _ | 0 | 5 | 1 | 10 | 2 | 8 | 26 | 29 | 67 | | | |
| Arizona | _ | 0 | 0 | _ | _ | _ | 0 | 0 | | _ | _ | 3 | 16 | 11 | 33 | | | |
| Colorado Idaho§ | N | 0 | 0 | N | N | _ | 0 | 0 | _ | _ | _ | 1 0 | 5 1 | 1 | 9 | | | |
| Montana [§] | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | _ | 0 | 1 | _ | _ | | | |
| Nevada [§] New Mexico [§] | _ | 0 | 2 | 5 | 2 | _ | 0 | 1 0 | 1 | _ | _ | 1 1 | 12 5 | 8 9 | 18 5 | | | |
| Utah | 2 | 0 | 7 | 3 | 13 | _ | 0 | 4 | _ | 8 | _ | 0 | 2 | _ | 1 | | | |
| Wyoming [§] | _ | 0 | 3 | 1 | 8 | _ | 0 | 2 | _ | 2 | _ | 0 | 0 | _ | _ | | | |
| Pacific Alaska | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | 2 | 37 0 | 52 4 | 147 1 | 319 | | | |
| California | N | 0 | 0 | N | N | _ | 0 | 0 | _ | _ | 1 | 33 | 45 | 127 | 276 | | | |
| Hawaii Oregon [§] | N | 0 | 0 | N | N | _ | 0 | 0 | _ | _ | _ | 0 | 2 6 | 1 2 | 4 | | | |
| Washington | N | 0 | 0 | N | N N | _ | 0 | 0 | _ | _ | 1 | 2 | 11 | 16 | 37 | | | |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | U | U | | | |
| C.N.M.I. Guam | U N | 0 | 0 | U N | U N | U | 0 | 0 | U | U — | U — | 0 | 0 | <u>U</u> | U | | | |
| Guam Puerto Rico | N N | 0 | 0 | N N | N N | _ | 0 | 0 | _ | _ | | 2 | 11 | 13 | 23 | | | |
| U.S. Virgin Islands | U | 0 | 0 | U | U | U | 0 | 0 | U | U | U | 0 | 0 | Ü | U | | | |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Max * Incidence data for reporting years 2006 and 2007 are provisional.
Includes cases of invasive pneumococcal disease caused by drug-resistant *S. pneumoniae* (DRSP) (NNDSS event code 11720). Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Max: Maximum.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending February 24, 2007, and February 25, 2006 (8th Week)*

| | | | ella (chick | (enpox) | | West Nile virus disease† Neuroinvasive Non-neuroinvasive§ | | | | | | | | | |
|--|---------------------------|-----------|-------------|------------|--------------|---|--------|--------------|--------|--------|---------|--------|----------------|--------|-------|
| | Previous Current 52 weeks | | | Cum | Cum | Current | | ious eeks | Cum | Cum | Current | | vious veeks | Cum | Cum |
| Reporting area | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 | week | Med | Max | 2007 | 2006 |
| United States | 573 | 807 | 1,432 | 5,849 | 7,254 | _ | 1 | 178 | _ | 2 | _ | 1 | 399 | | |
| New England | 1 | 21 | 59 | 84 | 319 | _ | 0 | 3 | _ | _ | _ | 0 | 2 | _ | _ |
| Connecticut Maine [¶] | _ | 0 | 0 16 | _ | — 58 | _ | 0 | 3 0 | _ | _ | _ | 0 | 1 0 | _ | _ |
| Massachusetts | _ | 0 | .5 | _ | 86 | _ | 0 | 1 | _ | _ | _ | 0 | 1 | _ | _ |
| New Hampshire Rhode Island [¶] | 1 | 5 0 | 47 0 | 31 — | 61 — | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ |
| /ermont ¹ | _ | 12 | 52 | 53 | 114 | _ | Ö | Ö | _ | _ | _ | Ö | Ö | _ | _ |
| lid. Atlantic | 74 | 106 | 190 | 926 | 1,021 | _ | 0 | 11 | _ | _ | _ | 0 | 4 | _ | _ |
| lew Jersey lew York (Upstate) | N N | 0 | 0 0 | N N | N N | _ | 0 | 2 5 | _ | _ | _ | 0 | 1 1 | _ | _ |
| ew York City | _ | 0 | 0 | _ | _ | _ | 0 | 4 | _ | _ | _ | 0 | 2 | _ | _ |
| ennsylvania | 74 | 106 | 190 | 926 | 1,021 | _ | 0 | 2 | _ | _ | _ | 0 | 1 | _ | _ |
| i.N. Central linois | 154 | 263 1 | 587 7 | 1,991 | 3,132 15 | _ | 0 | 43 23 | _ | _ | _ | 0 | 33 23 | _ | _ |
| ndiana | _ | 0 | 0 | _ | _ | _ | 0 | 7 | _ | _ | _ | 0 | 12 | _ | _ |
| flichigan Dhio | 45 | 102 | 258 | 825 | 909 | _ | 0 | 11 | _ | _ | _ | 0 | 2 | _ | _ |
| nio /isconsin | 109 | 130 12 | 449 52 | 1,161 5 | 1,874 334 | _ | 0 0 | 11 2 | _ | _ | _ | 0 | 3 2 | _ | |
| /.N. Central | 36 | 29 | 98 | 343 | 465 | _ | 0 | 36 | _ | _ | _ | 0 | 79 | _ | _ |
| owa | N | 0 | 0 | N | N | _ | 0 | 3 | _ | _ | _ | 0 | 4 | _ | _ |
| ansas linnesota | 24 | 5 0 | 51 0 | 184 | 98 | _ | 0 | 3 6 | _ | _ | _ | 0 | 3 7 | _ | _ |
| lissouri | 6 | 18 | 82 | 139 | 345 | _ | 0 | 14 | _ | _ | _ | 0 | 2 | _ | _ |
| ebraska¶ orth Dakota | N 6 | 0 | 0 8 | N 6 | N 8 | _ | 0 | 9 5 | _ | _ | _ | 0 | 38 28 | _ | _ |
| outh Dakota | _ | 1 | 15 | 14 | 14 | _ | Ő | 7 | _ | _ | _ | ő | 22 | _ | _ |
| . Atlantic | 44 | 92 | 223 | 648 | 538 | _ | 0 | 2 | _ | _ | _ | 0 | 7 | _ | _ |
| elaware istrict of Columbia | _ | 1 0 | 6 5 | 7 | 22 3 | _ | 0 | 0 | _ | _ | _ | 0 | 0 1 | _ | _ |
| lorida | 16 | 0 | 37 | 193 | N | _ | 0 | 1 | _ | _ | _ | 0 | Ö | _ | _ |
| eorgia laryland ¹ | N N | 0 | 0 0 | N N | N N | _ | 0 | 1 2 | _ | _ | _ | 0 | 4 2 | _ | _ |
| orth Carolina | | 0 | 0 | _ | _ | _ | 0 | 1 | | _ | _ | 0 | 0 | _ | _ |
| outh Carolina ¹ | 3 | 18 28 | 69 133 | 197 | 161 | _ | 0 | 1 0 | _ | _ | _ | 0 | 0 | _ | _ |
| irginia [¶] /est Virginia | 25 | 26 26 | 70 | 1 250 | 46 306 | _ | 0 | 1 | _ | _ | _ | 0 | 2 0 | _ | |
| .S. Central | 3 | 4 | 43 | 58 | _ | _ | 0 | 15 | _ | 2 | _ | 0 | 16 | _ | _ |
| labama [¶] | 3 | 4 | 43 | 57 | | _ | 0 | 2 | _ | _ | _ | 0 | 0 | _ | _ |
| Čentucky Nississippi | N | 0 0 | 0 1 | N 1 | N — | _ | 0 | 2 10 | _ | | _ | 0 0 | 1 16 | _ | _ |
| ennessee ¹ | N | 0 | 0 | N | N | _ | 0 | 4 | _ | _ | _ | 0 | 2 | _ | _ |
| V.S. Central | 215 | 202 | 757 | 1,306 | 1,170 | _ | 0 | 58 | _ | _ | _ | 0 | 26 | _ | _ |
| ırkansas [¶] ouisiana | 42 — | 10 1 | 92 9 | 64 15 | 122 4 | _ | 0 | 4 13 | _ | _ | _ | 0 | 2 9 | _ | _ |
| klahoma | _ | 0 | 0 | _ | _ | _ | 0 | 6 | _ | _ | _ | 0 | 4 | _ | _ |
| exas ¹ | 173 | 175 | 664 | 1,227 | 1,044 | _ | 0 | 38 | _ | _ | _ | 0 | 16 | _ | _ |
| lountain .rizona | 45 — | 61 0 | 137 0 | 477 — | 609 | _ | 0 | 61 9 | _ | _ | _ | 1 0 | 228 15 | _ | _ |
| olorado | 22 | 24 | 59 | 201 | 390 | _ | 0 | 10 | _ | _ | _ | 0 | 51 | _ | _ |
| laho [¶] Iontana [¶] | N 5 | 0 | 0 11 | N 57 | N N | _ | 0 | 30 3 | _ | _ | _ | 0 | 157 8 | _ | = |
| levada [¶] | _ | 0 | 3 | _ | 1 | _ | 0 | 9 | _ | _ | _ | 0 | 16 | _ | _ |
| lew Mexico [¶] Itah | 4 14 | 3 17 | 34 65 | 30 189 | 86 126 | _ | 0 | 1 8 | _ | _ | _ | 0 | 1 17 | _ | _ |
| rtan Vyoming [¶] | — — | 0 | 11 | 189 | 6 | _ | 0 | 7 | _ | _ | _ | 0 | 10 | _ | |
| acific | 1 | 0 | 9 | 16 | _ | _ | 0 | 15 | _ | _ | _ | 0 | 51 | _ | _ |
| laska Salifornia | 1 | 0 | 9 0 | 16 | N | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ |
| alifornia Iawaii | _ | 0 0 | 0 | _ | N — | _ | 0 0 | 15 0 | _ | _ | _ | 0 0 | 37 0 | _ | |
| regon [¶] | N | 0 | 0 | N | N | _ | 0 | 2 | _ | _ | _ | 0 | 14 | _ | _ |
| /ashington | N | 0 | 0 | N | N | _ | 0 | 0 | _ | _ | _ | 0 | 2 | _ | _ |
| merican Samoa .N.M.I. | U U | 0 | 0 | U | U U | U U | 0 | 0 | U U | U U | U | 0 | 0 0 | U U | U |
| auam | _ | 0 | Ō | _ | _ | _ | 0 | Ö | _ | _ | _ | Ō | 0 | _ | _ |
| Puerto Rico | 10 U | 12 0 | 30 0 | 62 U | 52 U | U | 0 | 0 | U | _ U | U | 0 | 0 | _ U | U |
| J.S. Virgin Islands | | | na Islands | | U | <u> </u> | U | U | U | U | U | U | U | U | |

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

Incidence data for reporting years 2006 and 2007 are provisional.
Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (proposed) (ArboNET Surveillance). Data for California serogroup, eastern equine, Powassan, St. Louis, and western equine diseases are available in Table I.
Not notifiable in all states. Data from states where the condition is not notifiable are excluded from this table, except in 2007 for the domestic arboviral diseases and influenza-associated pediatric mortality, and in 2004 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 February 24, 2007 (8th Week)

| TABLE III. Deaths | | | auses, b | | | | | | | All | causes, b | y age (y | / age (years) | | | |
|-----------------------------------|-------------|-------------|-----------|----------|---------|---------|---------------------------|------------------------------------|--------------|-----------|-----------|----------|---------------|---------|---------------------------|--|
| Reporting Area | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | P&I [†] Total | Reporting Area | All Ages | ≥65 | 45-64 | 25-44 | 1-24 | <1 | P&I [†] Total | |
| New England | 602 | 426 | 122 | 30 | 11 | 13 | 56 | S. Atlantic | 1,190 | 756 | 273 | 95 | 33 | 32 | 57 | |
| Boston, MA | 156 | 96 | 42 | 4 | 7 | 7 | 20 | Atlanta, GA | 124 | 76 | 26 | 16 | 3 | 3 | 1 | |
| Bridgeport, CT | 37 | 27 24 | 8 7 | 2 | _ | _ | 2 5 | Baltimore, MD | 121 | 73 | 30 | 12 | 2 | 4 | 5 | |
| Cambridge, MA Fall River, MA | 31 36 | 24 31 | 2 | 3 | _ | | 5 1 | Charlotte, NC Jacksonville, FL | 105 191 | 73 132 | 25 40 | 4 13 | 3 2 | 4 | 8 13 | |
| Hartford, CT | 46 | 30 | 11 | 4 | 1 | _ | 4 | Miami, FL | 89 | 56 | 23 | 6 | 4 | _ | 3 | |
| Lowell, MA | 29 | 26 | 2 | 1 | | _ | _ | Norfolk, VA | 37 | 21 | 11 | 2 | 1 | 2 | _ | |
| Lynn, MA | 12 | 6 | 5 | 1 | _ | _ | _ | Richmond, VA | 52 | 26 | 17 | 6 | 1 | 2 | 5 | |
| New Bedford, MA | 34 | 28 | 5 | 1 | _ | _ | 1 | Savannah, GA | 56 | 28 | 7 | 16 | 3 | 2 | 6 | |
| New Haven, CT | 40 | 30 | 8 | 1 | 1 | _ | 9 | St. Petersburg, FL | 56 | 37 | 14 | 2 | 2 | 1 | 4 | |
| Providence, RI | 47 | 36 | 7 | 4 | _ | _ | 6 | Tampa, FL | 238 | 161 | 47 | 14 | 8 | 8 | 11 | |
| Somerville, MA Springfield, MA | 2 46 | 29 | 2 9 | <u> </u> | _ | 3 | _ 1 | Washington, D.C. Wilmington, DE | 99 22 | 58 15 | 27 6 | 4 | 3 1 | 6 | _ 1 | |
| Waterbury, CT | 35 | 25 | 6 | 3 | 1 | _ | 5 | l | | | | | | | | |
| Worcester, MA | 51 | 38 | 8 | 1 | i | 3 | 2 | E.S. Central | 782 | 500 | 188 | 53 | 16 | 23 | 69 | |
| | | | | | | | | Birmingham, AL | 137 | 87 | 29 | 6 | 9 | 4 | 20 | |
| Mid. Atlantic Albany, NY | 1,996 56 | 1,401 32 | 418 15 | 109 6 | 32 1 | 34 2 | 132 4 | Chattanooga, TN Knoxville, TN | 87 74 | 65 42 | 14 23 | 4 | 2 | 2 | 4 4 | |
| Allentown, PA | 23 | 19 | 1 | 2 | 1 | _ | 3 | Lexington, KY | 57 | 39 | 14 | 2 | 1 | 1 | 4 | |
| Buffalo, NY | 97 | 70 | 19 | 5 | 2 | 1 | 7 | Memphis, TN | 179 | 116 | 40 | 16 | 3 | 4 | 17 | |
| Camden, NJ | 17 | 14 | 2 | 1 | _ | _ | 2 | Mobile, AL | 63 | 36 | 19 | 6 | 1 | 1 | 2 | |
| Elizabeth, NJ | 23 | 16 | 6 | 1 | _ | _ | 4 | Montgomery, AL | 31 | 21 | 7 | 2 | _ | 1 | 4 | |
| Erie, PA | 55 | 46 | 6 | 2 | | 1 | 3 | Nashville, TN | 154 | 94 | 42 | 11 | _ | 7 | 14 | |
| Jersey City, NJ | U | U | U | U | U | U | U | W.S. Central | 1,351 | 865 | 336 | 95 | 33 | 22 | 85 | |
| New York City, NY | 1,114 | 793 | 231 | 53 | 16 | 19 | 69 | Austin, TX | 94 | 58 | 24 | 11 | _ | 1 | 6 | |
| Newark, NJ Paterson, NJ | 69 14 | 37 11 | 19 1 | 9 2 | 2 | 2 | 1 1 | Baton Rouge, LA | 21 | 15 | 5 | 1 | _ | _ | _ | |
| Philadelphia, PA | 181 | 107 | 50 | 15 | 6 | 3 | 9 | Corpus Christi, TX | 64 | 42 | 17 | 2 | 3 | _ | 7 | |
| Pittsburgh, PA§ | 33 | 24 | 7 | _ | 1 | 1 | 5 | Dallas, TX | 205 | 125 | 46 | 22 | 8 | 4 | 14 | |
| Reading, PA | 29 | 24 | 5 | _ | _ | _ | 2 | El Paso, TX | 115 | 72 | 26 | 10 | 4 | 3 | 4 | |
| Rochester, NY | 135 | 93 | 30 | 8 | 1 | 3 | 15 | Fort Worth, TX Houston, TX | 107 256 | 70 170 | 33 57 | 2 17 | 8 | 2 | 5 13 | |
| Schenectady, NY | 15 | 12 | 2 | _ | 1 | _ | 1 | Little Rock, AR | 82 | 48 | 22 | 7 | 2 | 3 | 4 | |
| Scranton, PA | 38 | 30 | 7 | | _ | 1 | _ | New Orleans, LA [¶] | Ü | Ü | Ü | Ú | Ū | Ŭ | Ü | |
| Syracuse, NY | 27 | 20 | 4 | 1 | 1 | 1 | 2 | San Antonio, TX | 220 | 138 | 61 | 15 | 3 | 3 | 20 | |
| Trenton, NJ Utica, NY | 23 21 | 15 17 | 6 3 | 2 1 | _ | _ | 1 1 | Shreveport, LA | 40 | 21 | 13 | 2 | 3 | 1 | 6 | |
| Yonkers, NY | 26 | 21 | 4 | 1 | _ | _ | 2 | Tulsa, OK | 147 | 106 | 32 | 6 | 2 | 1 | 6 | |
| E.N. Central | 2,329 | 1,585 | 526 | 124 | 43 | 51 | 200 | Mountain Albuquerque, NM | 1,165 106 | 772 61 | 241 27 | 72 9 | 45 6 | 31 3 | 100 11 | |
| Akron, OH | 64 47 | 44 31 | 14 12 | 1 2 | 2 | 3 2 | 2 4 | Boise, ID | 65 | 56 | 8 | 1 | _ | _ | 5 | |
| Canton, OH Chicago, IL | 330 | 193 | 88 | 31 | 7 | 11 | 30 | Colorado Springs, CO | 110 | 76 | 21 | 5 | 6 | 2 | 13 | |
| Cincinnati, OH | 88 | 52 | 16 | 5 | 10 | 5 | 18 | Denver, CO | 105 | 59 | 30 | 11 | 3 | 2 | 9 | |
| Cleveland, OH | 303 | 226 | 64 | 9 | 1 | 3 | 14 | Las Vegas, NV | 269 | 177 | 62 | 14 | 6 | 9 | 28 | |
| Columbus, OH | 226 | 162 | 49 | 11 | 2 | 2 | 22 | Ogden, UT | 34 | 27 | 3 | 2 | 2 12 | 8 | 1 | |
| Dayton, OH | 133 | 105 | 18 | 7 | 2 | 1 | 14 | Phoenix, AZ Pueblo, CO | 194 35 | 123 24 | 36 7 | 12 4 | 12 | | 14 3 | |
| Detroit, MI | 185 | 111 | 56 | 12 | 2 | 4 | 21 | Salt Like City, UT | 118 | 71 | 22 | 10 | 9 | 6 | 10 | |
| Evansville, IN | 41 75 | 38 | 3 | _ | _ 1 | 1 | 4 | Tucson, AZ | 129 | 98 | 25 | 4 | 1 | 1 | 6 | |
| Fort Wayne, IN Gary, IN | 75 11 | 52 3 | 16 5 | 5 3 | | | 8 | Pacific | 1,294 | 874 | 292 | 77 | 27 | 24 | 119 | |
| Grand Rapids, MI | 51 | 36 | 14 | 1 | _ | | 7 | Berkeley, CA | 1,234 | 8 | 3 | 2 | | _ | 1 | |
| Indianapolis, IN | 241 | 146 | 63 | 19 | 7 | 6 | 13 | Fresno, CA | Ü | Ŭ | Ŭ | Ū | U | U | Ü | |
| Lansing, MI | 55 | 37 | 11 | 3 | 2 | 2 | 4 | Glendale, CA | Ū | U | Ü | Ū | Ū | U | U | |
| Milwaukee, WI | 119 | 77 | 29 | 7 | 2 | 4 | 9 | Honolulu, HI | 49 | 34 | 11 | 2 | 2 | _ | 4 | |
| Peoria, IL | 73 | 55 | 16 | _ | 1 | 1 | 5 | Long Beach, CA | 77 | 44 | 25 | 6 | 1 | 1 | 10 | |
| Rockford, IL | 50 | 34 | 13 | 1 | 1 | 1 | 3 | Los Angeles, CA | U | U | Ū | U | U | U | U | |
| South Bend, IN | 57 | 39 | 11 | 3 3 | 1 | 3 | 5 | Pasadena, CA | 32 | 24 | 5 | 5 | 1 2 | 2 | 6 | |
| Toledo, OH Youngstown, OH | 102 78 | 75 69 | 20 8 | 3 1 | 2 | 2 | 12 5 | Portland, OR Sacramento, CA | 124 192 | 82 134 | 32 39 | 5 11 | 6 | 3 2 | 13 27 | |
| = | | | | | | | | San Diego, CA | 144 | 96 | 35 | 5 | 4 | 4 | 7 | |
| W.N. Central | 675 | 448 | 148 | 42 | 20 | 17 | 58 | San Francisco, CA | 127 | 84 | 30 | 10 | _ | 3 | 13 | |
| Des Moines, IA | 91 | 63 | 23 | 3 | 1 | 1 | 11 | San Jose, CA | 190 | 137 | 33 | 13 | 3 | 4 | 16 | |
| Duluth, MN Kansas City, KS | 18 25 | 14 12 | 2 7 | 1 5 | 1 1 | _ | _ 1 | Santa Cruz, CA | 19 | 16 | 3 | _ | _ | _ | 3 | |
| Kansas City, NO | 25 83 | 58 | 19 | 5 1 | 2 | 3 | 3 | Seattle, WA | 129 | 78 | 31 | 13 | 3 | 4 | 7 | |
| Lincoln, NE | 48 | 39 | 8 | | _ | 1 | 7 | Spokane, WA | 75 | 57 | 17 | _ | _ | 1 | 8 | |
| Minneapolis, MN | 69 | 41 | 16 | 4 | 6 | 2 | 4 | Tacoma, WA | 123 | 80 | 28 | 10 | 5 | _ | 4 | |
| Omaha, NE | 104 | 79 | 16 | 5 | 3 | 1 | 12 | Total | 11,384** | 7,627 | 2,544 | 697 | 260 | 247 | 876 | |
| St. Louis, MO | 94 | 52 | 22 | 12 | 4 | 4 | 3 | | | | | | | | | |
| St. Paul, MN | 81 | 49 | 20 | 7 | 2 | 3 | 10 | | | | | | | | | |
| Wichita, KS | 62 | 41 | 15 | 4 | _ | 2 | 7 | I | | | | | | | | |

U: Unavailable.

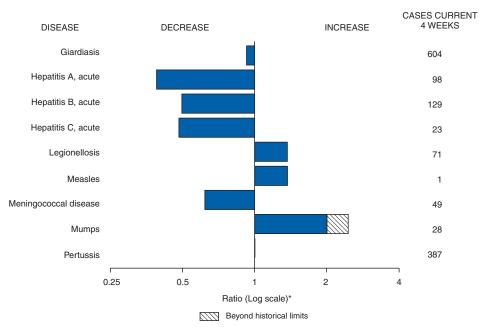
J: Unavailable. —:No reported cases.

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

[§] Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.
¶ Because of Hurricane Katrina, weekly reporting of deaths has been temporarily disrupted.

** Total includes unknown ages.

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals February 24, 2007, 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.

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