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### Nonfatal Injuries from Off-Road Motorcycle Riding Among Children and Teens — United States, 2001–2004

Motorcycle crashes are a substantial public health problem for children and teens. During 2003, among persons aged  $\leq 19$  years, at least 245 died and an estimated 56,870 were treated in U.S. hospital emergency departments (EDs) for injuries sustained while riding a motorcycle (1). National surveillance has focused primarily on monitoring and characterizing fatal and nonfatal injuries from motorcycle crashes occurring on public roads (2). However, during 2003, at least 13 motorcycle riders aged  $\leq 19$  years died in nontraffic incidents in places other than on public roads.\* This report focuses on injuries associated with off-road motorcycle riding, an increasingly popular recreational activity among youths. To characterize nonfatal injuries among young off-road motorcycle riders in the United States, CDC analyzed data from the National Electronic Injury Surveillance System-All Injury Program (NEISS-AIP) during 2001–2004. Those data indicated that an estimated 23,800 off-road motorcyclists aged  $\leq 19$  years were treated for nonfatal injuries in U.S. hospital EDs each year. Programs and policies directed at reducing the number of injuries from off-road motorcycle riding need to be strengthened; requiring minimum ages for off-road motorcycle riding might help prevent such injuries among children and teens.

Operated by the Consumer Product Safety Commission (CPSC), NEISS-AIP collects data regarding initial patient visits to U.S. EDs for all types and causes of injuries, approximately 500,000 each year (2). NEISS-AIP data are drawn from a nationally representative subsample of 66 of 100 NEISS-AIP hospitals selected as a stratified probability sample of the estimated 5,400 hospitals with EDs in the United States and its territories. Data are weighted to represent the total number of

initial injury-related visits each year in the United States, and estimates are adjusted for hospital nonresponse and changes in the number of ED visits from year to year.

For this study, NEISS-AIP cases of nonfatal injuries from off-road motorcycle riding were identified from narratives describing injury incidents that were abstracted from medical records and consumer product codes assigned by trained NEISS hospital coders. A motorcycle was defined as any road bike, dirt bike (or trail bike), moped, motor scooter, or minibike. Excluded were incidents involving three-wheeled and four-wheeled all-terrain vehicles (ATVs). Cases were defined as injuries among patients aged  $\leq 19$  years who were injured while riding off-road as the driver or passenger on a motorcycle; patients not riding on a motorcycle when injured (e.g., those injured while working on a motorcycle) were excluded. Cases were defined as off-road if the incident did not occur on a paved road or highway and the location of the incident was specified (e.g., woods, field, trail, backyard of home, or motocross arena). In addition, 20.4% of motorcycle injury incidents had no location specified and, therefore, were excluded from the study. Location was further classified as a motocross area if this was specified in the narrative or if the activity involved racing or jumping with motorcycles in an unspecified off-road location.

National estimates were based on weighted data for 1,319 cases in which patients aged  $\leq 19$  years were treated for off-road motorcyclist injuries at NEISS-AIP hospital EDs during

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\* Data from National Vital Statistics System; available at <http://www.cdc.gov/nchs/nvss.htm>.

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2001–2004. Each case was assigned a sample weight based on the inverse probability of selection; these weights were summed to provide national estimates. Rates were calculated using U.S. Census bridged-race population estimates for 2001–2004 (3). A direct variance estimation procedure was used to calculate 95% confidence intervals and to account for the complex sample design.

During 2001–2004, an estimated 23,800 (32.6 per 100,000 population) children and teens aged  $\leq 19$  years were treated at U.S. EDs for off-road motorcycle injuries each year (Table 1). The injury rate increased 33.7%, from 26.4 per 100,000 population in 2001 to 35.3 in 2004; however, this difference was not statistically significant ( $p = 0.31$ ). Patients aged 12–15 years had the highest nonfatal injury rate (62.1 per 100,000). Patients aged  $< 16$  years accounted for 69.9% of those injured;

**TABLE 1. Estimated annual number, percentage, and rate of nonfatal injuries\* from off-road motorcycle riding among children and teens aged  $\leq 19$  years, by selected characteristics—United States, 2001–2004**

| Characteristic                             | Average no. of injuries per year <sup>†</sup> | (%) <sup>†</sup> | Rate <sup>§</sup> | (95% CI <sup>¶</sup> ) |
|--|---|------------------|-------------------|------------------------|
| <b>Age group (yrs)</b>                     |   |                  |                   |                        |
| 2–3  | 20**  | (0.1**)          | —                 | —                      |
| 4–7  | 1,144   | (4.8)            | 7.3               | (4.7–9.9)              |
| 8–11                                       | 5,035   | (21.2)           | 30.4              | (19.8–41.0)            |
| 12–15                                      | 10,425  | (43.8)           | 62.1              | (41.3–82.9)            |
| 16–19                                      | 7,175   | (30.1)           | 43.9              | (31.9–55.9)            |
| <b>Sex</b>                                 |   |                  |                   |                        |
| Male                                       | 21,032  | (88.4)           | 56.1              | (40.1–72.2)            |
| Female                                     | 2,768   | (11.6)           | 7.8               | (5.1–10.4)             |
| <b>Location where injured<sup>††</sup></b> |   |                  |                   |                        |
| Motocross area                             | 4,769   | (20.0)           | 6.5               | (3.9–9.1)              |
| Other off-road area                        | 19,031  | (80.0)           | 26.0              | (18.4–33.6)            |
| <b>Motorcycle type</b>                     |   |                  |                   |                        |
| Moped/Motor scooter                        | 1,183   | (5.0)            | 1.6               | (0.8–2.4)              |
| Minibike                                   | 910   | (3.8)            | 1.2               | (0.7–1.7)              |
| Dirt bike/Trail bike                       | 16,699  | (70.2)           | 22.8              | (15.0–30.6)            |
| Unspecified                                | 5,007   | (21.0)           | 6.8               | (4.9–8.7)              |
| <b>Disposition</b>                         |   |                  |                   |                        |
| Treated/Released                           | 21,842  | (91.8)           | 29.9              | (21.2–38.6)            |
| Hospitalized/Transferred                   | 1,780   | (7.5)            | 2.4               | (1.5–3.3)              |
| Other <sup>§§</sup>                        | 157**   | (0.7**)          | —                 | —                      |
| Unknown                                    | 21**  | (0.1**)          | —                 | —                      |
| <b>Total</b>                               | <b>23,800</b>                                 | <b>(100.0)</b>   | <b>32.6</b>       | <b>(23.3–41.9)</b>     |

\* Treated in hospital emergency departments, on the basis of 1,319 cases reported by the National Electronic Injury Surveillance System-All Injury Program.

<sup>†</sup> Might not sum to total because of rounding.

<sup>§</sup> Per 100,000 population.

<sup>¶</sup> Confidence interval.

\*\* Estimates might be unstable because the coefficient of variation is  $> 30\%$  or the number of cases is  $< 20$ .

<sup>††</sup> Motocross area includes motocross, race track, motorcycle park, or an unspecified off-road location if the activity involved racing or jumping with motorcycles. Other off-road area includes woods, field, trail, backyard of home, and other specified off-road locations.

<sup>§§</sup> Includes persons who were observed, left against medical advice, or left before being examined.

88.4% of those injured were males, and 97.1% were driving the motorcycle. Overall, 7.5% of those injured were hospitalized.

By location, 20.0% of the injuries occurred in motocross areas, and 70.2% of those injured were reported as riding dirt bikes/trail bikes when they incurred their injuries. Those injured in motocross areas were more likely to be hospitalized than those injured in other off-road locations (14.9% versus 5.6%;  $p = 0.01$ ). According to the narratives abstracted from ED charts, 8.9% of the injuries were sustained during a motorcycle jump, and 5.3% resulted from hitting another motorcycle or other off-road vehicle. Among jump-related injuries, 74.3% occurred in a motocross area.

**TABLE 2. Estimated annual number and percentage of nonfatal injuries\* from off-road motorcycle riding among children and teens aged  $\leq 19$  years, by principal diagnosis and primary body part affected — United States, 2001–2004**

| Diagnosis/Body part             | Average no. of injuries per year† | (%†)           |
|---------------------------------|-----------------------------------|----------------|
| <b>Diagnosis</b>                |                                   |                |
| Fracture                        | 7,282                             | (30.6)         |
| Contusion/Abrasion              | 5,565                             | (23.4)         |
| Laceration                      | 3,893                             | (16.4)         |
| Strain/Sprain                   | 2,866                             | (12.0)         |
| Internal injury/Concussion      | 2,016                             | (8.5)          |
| Burn                            | 562                               | (2.4)          |
| Dislocation                     | 449§                              | (1.9§)         |
| Other                           | 1,167                             | (4.8)          |
| <b>Body part/Diagnosis</b>      |                                   |                |
| Head/Neck                       | 3,993                             | (16.8)         |
| Internal head injury/Concussion | 1,894                             | (8.0)          |
| Laceration                      | 863                               | (3.6)          |
| Contusion/Abrasion              | 529                               | (2.2)          |
| Other                           | 707                               | (3.0)          |
| Upper trunk/Shoulder            | 3,621                             | (15.2)         |
| Fracture                        | 1,774                             | (7.5)          |
| Contusion/Abrasion              | 898                               | (3.8)          |
| Other                           | 949                               | (3.9)          |
| Lower trunk                     | 1,166                             | (4.9)          |
| Contusion/Abrasion              | 655                               | (2.8)          |
| Other                           | 511§                              | (2.1§)         |
| Upper extremity                 | 6,177                             | (26.0)         |
| Fracture                        | 3,013                             | (12.7)         |
| Contusion/Abrasion              | 1,326                             | (5.6)          |
| Strain/Sprain                   | 804                               | (3.4)          |
| Laceration                      | 642                               | (2.7)          |
| Other                           | 392§                              | (1.6§)         |
| Lower extremity                 | 8,536                             | (35.9)         |
| Fracture                        | 2,232                             | (9.4)          |
| Laceration                      | 2,187                             | (9.2)          |
| Contusion/Abrasion              | 1,949                             | (8.2)          |
| Sprain/Strain                   | 1,354                             | (5.7)          |
| Burn                            | 506                               | (2.1)          |
| Other                           | 308§                              | (1.3§)         |
| Other/Unknown                   | 307§                              | (1.3§)         |
| <b>Total</b>                    | <b>23,800</b>                     | <b>(100.0)</b> |

\* Treated in hospital emergency departments, on the basis of 1,319 cases reported by the National Electronic Injury Surveillance System-All Injury Program.

† Might not sum to total because of rounding.

§ Estimates might be unstable because the coefficient of variation is  $>30\%$  or the number of cases is  $<20$ .

Serious injuries (i.e., fractures or internal injuries) accounted for 39.1% of the principal diagnoses (Table 2). The primary injury was to an extremity in 61.9% of patients, and 35.6% of extremity injuries were fractures. The head or neck was the primary body part affected in 16.8% of cases, of which 47.4% involved an internal head injury.

**Reported by:** JM Conn, MS, JL Annett, PhD, Office of Statistics and Programming; LJ Paulozzi, MD, Div of Unintentional Injury Prevention, National Center for Injury Prevention and Control, CDC.

**Editorial Note:** This report characterizes nonfatal injuries from off-road riding of all types of motorcycles during 2001–2004. Motorcycles that are designed specifically for off-road riding (commonly referred to as dirt bikes or trail bikes) are increasing in popularity in the United States. Approximately 300,000 off-road motorcycles were sold in the United States during 2003, nearly twice the sales figure for 1999. The activity is most popular among persons who are male, aged  $<30$  years, white, residents of nonmetropolitan areas, and have less than a college education (4).

During 1994–1996, approximately 10,000 persons aged  $<15$  years sought care in EDs each year for injuries related to off-road motorcycles (5). The results described in this report indicate that the number of such injuries among persons in this age group might have grown, with approximately 16,600 children aged  $<16$  years treated each year in U.S. EDs during 2001–2004. The increase by one third in the nonfatal injury rate from 2001 to 2004 observed in this study, although not significant, parallels the trend from 2001 to 2003 in injuries involving ATVs among children aged  $<16$  years (6).

Although young off-road motorcyclists generally travel at lower speeds than motorcyclists on public roads and have little risk of collision with automobiles, they face other hazards, including irregularities in terrain and obstacles (e.g., trees and fences). Motocross races (i.e., organized racing of motorcycles on off-road circuits) present fewer stationary obstructions but involve risk for collision with competing motorcycles and hazards associated with jumps. Patients with injuries from off-road motorcycle riding who were treated in U.S. EDs were more likely to require hospitalization (7.5%) than those injured while bicycling (3.7%) (1).

The findings in this report are subject to at least four limitations. First, NEISS-AIP is designed to provide national estimates and does not provide regional, state, or local estimates. Second, the NEISS-AIP data in this report likely underestimate the number of off-road motorcycle riding injuries in children and teens because 1) they do not include persons treated in physician offices or other health-care facilities or persons who received no treatment, and 2) they do not include 20.4% of motorcycle injury incidents for which the location was not specified. Third, nonfatal injury rates were

calculated using U.S. population estimates as denominators rather than the number of off-road motorcycle riders. Estimates of the number of these riders in the United States and the extent of their exposure (e.g., frequency and duration of riding) are not available. Finally, factors associated with off-road motorcycle riding injuries cannot be characterized more completely because no NEISS-AIP data were available on variables such as helmet use, motorcycle speed at the time of injury, alcohol use, or riding experience.

Off-road motorcycle riding, like operating motor vehicles on roadways, requires physical skills and judgment that children and young teens do not possess. In 2000, the American Academy of Pediatrics recommended that parents not allow children and teens aged <16 years to ride off-road motorcycles or ATVs and that states prohibit the use of such vehicles by children and teens in that age group (5). Studies of ATV use indicate that state laws with age restrictions for off-road vehicle use can be effective in decreasing the proportion of riders under the minimum age and that requiring riders of off-road vehicles to wear helmets can reduce the risk for fatal injury (7,8). However, only 19 states require off-road motorcyclists aged <18 years to wear helmets, and only eight states<sup>†</sup> set minimum ages (range: 8–14 years) for operation of off-road motorcycles, according to the American Motorcycle Association (9).

Health-care providers should counsel parents regarding the risks associated with children and teens riding any type of motorcycle and the benefits of helmet use (10). This intervention and promotion of minimum age restrictions and helmet laws might help curtail the increase in off-road motorcycle injuries among children and teens.

#### Acknowledgments

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## Nonfatal Injuries and Restraint Use Among Child Passengers — United States, 2004

During 1978–2004, annual rates of child fatalities from motor vehicle crashes (MVCs) declined from 31.8 to 22.3 deaths per million. This decline might be partially attributed to the increased use of both child safety seats (for infants and young children) and seatbelts (for older children) (1). Nevertheless, among child passengers aged ≤12 years in 2004, nearly 1,200 children died (1), and an estimated 180,000 were injured and treated in U.S. hospital emergency departments (EDs) (2). Recent studies suggest that MVC fatalities and injuries among infants and children can be reduced further by promoting and enforcing age-appropriate restraint use (3). The National Electronic Injury Surveillance System-All Injury Program (NEISS-AIP) provides data on all injury-related hospital ED visits (4). For this report, NEISS-AIP was expanded to collect additional information about injuries and restraint use for child passengers aged ≤12 years involved in MVCs during 2004 and examined at 15 U.S. EDs. Of the children injured in MVCs, 45% were either not restrained or inappropriately restrained. Most inappropriate restraint use occurred among children aged 4–8 years who were placed prematurely in seatbelts. The percentage of unrestrained children who were hospitalized was three times that of restrained children. Restraint use for child passengers should be promoted vigorously and enforced because it can reduce their risks for multiple injuries and hospitalization from MVCs.

<sup>†</sup> States and their minimum ages for operation of off-road motorcycles are as follows: Connecticut, 12 years; Iowa, 12; Maine, 10; Maryland, 12; Massachusetts, 10; New Jersey, 14; Pennsylvania, 10; and Utah, 8.

NEISS-AIP, maintained by the Consumer Product Safety Commission (CPSC), is a nationwide, stratified probability sample of hospitals that provides information on injury-related ED visits (4). NEISS-AIP routinely collects data that include 1) demographic information; 2) injury information, including the injury event, location, intent, and mechanism; and 3) medical information abstracted from ED charts (i.e., principal diagnosis, primary affected body part, treatment date, and ED discharge disposition). Hospitals are divided into five strata, four based on size (i.e., reported annual numbers of ED visits) and one stratum consisting of children's hospitals. A stratified random sample of 15 hospitals (three per stratum) was selected for this study from among the 50 NEISS-AIP hospitals that provided patient identifiers to CPSC for follow-up interviews. For these selected hospitals, NEISS-AIP data were expanded for 2004 by 1) collecting information for up to five injury diagnoses and affected body parts from ED records for children aged  $\leq 12$  years injured in MVCs and 2) interviewing parents about their child's restraint use and crash circumstances. This study was conducted with the approval of CDC's Institutional Review Board.

Restraint use was classified as unrestrained or restrained. For restrained children, appropriateness of restraint type was based on age, weight, and parent-reported height using child passenger safety guidelines from the National Highway Traffic Safety Administration (NHTSA) (5). The guidelines state that 1) children should remain in rear-facing infant seats until they weigh  $\geq 20$  pounds and are aged 1 year, at which point they may be placed in forward-facing child safety seats; 2) children weighing  $\geq 40$  pounds may be placed in booster seats until they are aged  $\geq 9$  years or  $\geq 57$  inches tall, at which point they may wear lap/shoulder belts; and 3) children should not be placed in lap belts only (i.e., without shoulder belts).

This analysis used children's weights recorded in ED charts when available (for 272 children) and parent-reported weights when chart-reported weights were missing (for 323 children); children's weights were not available from either source for 40 children. In addition, this analysis assumed that 69 children aged  $< 8$  years with missing heights were  $< 57$  inches tall, on the basis of growth charts for U.S. children (6), which report that 97% of children aged 7 years are  $\leq 52$  inches tall. The missing heights for two children aged 8 years in lap/shoulder belts were kept as "missing."

For the 1,370 children aged  $\leq 12$  years seen for injuries attributed to motor vehicles at the 15 participating EDs, CPSC contacted 911 households (66%). Of these 911 households, 738 (81%) agreed to participate; 649 (88%) child passengers in MVCs were eligible for this study. Restraint use was unknown for 14 children (2%). A total of 635 children were

known to be either restrained ( $n = 578$ ) or unrestrained ( $n = 57$ ) (Table 1). Eight percent of children aged  $\leq 3$  years, 6% aged 4–6 years, 10% aged 7–8 years, and 11% of children aged  $\geq 9$  years were unrestrained. Restraint use was similar for boys and girls. Among children whose race/ethnicity was known, the percentages of unrestrained black and Hispanic children were at least six times those of non-Hispanic whites (12% and 14%, respectively, versus 2%). The percentage of children in trucks who were unrestrained was three times that of those riding in other types of vehicles (24% versus 8% on average for cars, sports-utility vehicles, and vans).

Eighty-one percent of children had a single-injury diagnosis, whereas 16%, 3%, and 0.8% had two, three, and four diagnoses, respectively. Eight percent of children required hospital admission. The percentage of unrestrained children with multiple diagnoses was nearly twice that of restrained

**TABLE 1. Restraint use for child passengers, by selected characteristics\* — National Electronic Injury Surveillance System-All Injury Program, United States, 2004**

| Characteristic                                    | Unrestrained<br>(n = 57) |        | Restrained<br>(n = 578) |         | Total<br>N = 635 |
|---|--------------------------|--------|-------------------------|---------|------------------|
|   | No.                      | (%)    | No.                     | (%)     |                  |
| <b>Age (yrs)</b>                                  |                          |        |                         |         |                  |
| $\leq 3$  | 10                       | (7.6)  | 121                     | (92.4)  | 131              |
| 4–6   | 10                       | (6.4)  | 147                     | (93.6)  | 157              |
| 7–8   | 11                       | (9.6)  | 103                     | (90.4)  | 114              |
| 9–12  | 26                       | (11.2) | 207                     | (88.8)  | 233              |
| <b>Sex</b>  |                          |        |                         |         |                  |
| Female  | 28                       | (8.7)  | 294                     | (91.3)  | 322              |
| Male  | 29                       | (9.3)  | 284                     | (90.7)  | 313              |
| <b>Race/Ethnicity</b>                             |                          |        |                         |         |                  |
| Asian, non-Hispanic                               | 0                        | (0)    | 7                       | (100.0) | 7                |
| Black†  | 20                       | (11.7) | 151                     | (88.3)  | 171              |
| Hispanic  | 21                       | (14.3) | 126                     | (85.7)  | 147              |
| White, non-Hispanic                               | 4                        | (2.0)  | 196                     | (98.0)  | 200              |
| Other, non-Hispanic                               | 1                        | (10.0) | 9                       | (90.0)  | 10               |
| Unknown   | 11                       | (11.0) | 89                      | (89.0)  | 100              |
| <b>Vehicle type</b>                               |                          |        |                         |         |                  |
| Car   | 29                       | (7.8)  | 345                     | (92.2)  | 374              |
| Van   | 11                       | (10.8) | 91                      | (89.2)  | 102              |
| Sports-utility vehicle                            | 7                        | (6.0)  | 110                     | (94.0)  | 117              |
| Truck   | 10                       | (24.4) | 31                      | (75.6)  | 41               |
| Unknown   | 0                        | (0)    | 1                       | (100.0) | 1                |
| <b>Number of injury diagnoses</b>                 |                          |        |                         |         |                  |
| One   | 40                       | (7.8)  | 475                     | (92.2)  | 515              |
| Multiple  | 17                       | (14.2) | 103                     | (85.8)  | 120              |
| Two   | 14                       | (14.1) | 85                      | (85.9)  | 99               |
| Three   | 3                        | (18.8) | 13                      | (81.3)  | 16               |
| Four  | 0                        | (0)    | 5                       | (100.0) | 5                |
| <b>Disposition</b>                                |                          |        |                         |         |                  |
| Treated/Released                                  | 45                       | (7.8)  | 534                     | (92.2)  | 579              |
| Hospitalized (at same institution or transferred) | 12                       | (23.1) | 40                      | (76.9)  | 52               |
| Held for observation                              | 0                        | (0)    | 4                       | (100.0) | 4                |

\* Children not shown ( $n = 14$ ) include those whose restraint use was unknown ( $n = 12$ ) or missing ( $n = 2$ ).

† Includes blacks who are Hispanic and non-Hispanic.

children (30% versus 18%). The percentage of unrestrained children requiring hospitalization was almost three times that of restrained children (21% versus 7%).

Appropriateness of restraint type could be determined for 573 of 578 restrained children; 342 (59%) were restrained appropriately, and 231 (40%) were restrained inappropriately (Table 2). Appropriateness of restraint type was unknown for five children (1%) because of missing data. Of those inappropriately restrained, 177 (77%) were children aged 4–8 years who were inappropriately wearing seatbelts. Of these 177, a total of 139 (79%) were wearing lap/shoulder belts, and 38 (21%) were wearing lap belts only. Eighty-nine (61%) of the 147 children aged 4–6 years and 87 (86%) of the 101 children aged 7–8 years were placed prematurely in seatbelts. One child aged 8 years, who was tall enough to wear a seatbelt, was restrained inappropriately in a lap belt only.

**TABLE 2. Appropriateness of restraint type for child passengers, by selected characteristics\* — National Electronic Injury Surveillance System-All Injury Program, United States, 2004**

| Characteristic            | Appropriately restrained<br>(n = 342) |         | Inappropriately restrained<br>(n = 231) |         | Total<br>N = 573 |
|---------------------------|---------------------------------------|---------|---|---------|------------------|
|                           | No.                                   | (%)     | No.                                     | (%)     |                  |
| <b>Age (yrs)</b>          |                                       |         |   |         |                  |
| ≤3                        | 101                                   | (84.2)  | 19                                      | (15.8)  | 120              |
| 4–6                       | 58                                    | (39.5)  | 89                                      | (60.5)  | 147              |
| 7–8                       | 13                                    | (12.9)  | 88                                      | (87.1)  | 101              |
| 9–12                      | 170                                   | (82.9)  | 35                                      | (17.1)  | 205              |
| <b>Sex</b>                |                                       |         |   |         |                  |
| Female                    | 170                                   | (58.4)  | 121                                     | (41.6)  | 291              |
| Male                      | 172                                   | (61.0)  | 110                                     | (39.0)  | 282              |
| <b>Race/Ethnicity</b>     |                                       |         |   |         |                  |
| Asian, non-Hispanic       | 5                                     | (71.4)  | 2                                       | (28.6)  | 7                |
| Black†                    | 79                                    | (53.0)  | 70                                      | (47.0)  | 149              |
| Hispanic                  | 63                                    | (50.4)  | 62                                      | (49.6)  | 125              |
| White, non-Hispanic       | 129                                   | (66.2)  | 66                                      | (33.8)  | 195              |
| Other, non-Hispanic       | 7                                     | (77.8)  | 2                                       | (22.2)  | 9                |
| Unknown                   | 59                                    | (67.0)  | 29                                      | (33.0)  | 88               |
| <b>Restraint type</b>     |                                       |         |   |         |                  |
| Rear-facing infant seat   | 15                                    | (100.0) | 0                                       | (0)     | 15               |
| Forward-facing child seat | 111                                   | (98.2)  | 2                                       | (1.8)   | 113              |
| Booster seat              | 37                                    | (92.5)  | 3                                       | (7.5)   | 40               |
| Lap/Shoulder belt         | 179                                   | (54.7)  | 148                                     | (45.3)  | 327              |
| Lap belt only             | 0                                     | (0)     | 78                                      | (100.0) | 78               |
| <b>Vehicle type</b>       |                                       |         |   |         |                  |
| Car                       | 200                                   | (58.8)  | 140                                     | (41.2)  | 340              |
| Van                       | 62                                    | (68.1)  | 29                                      | (31.9)  | 91               |
| Sports-utility vehicle    | 64                                    | (58.2)  | 46                                      | (41.8)  | 110              |
| Truck                     | 16                                    | (51.6)  | 15                                      | (48.4)  | 31               |
| Unknown                   | 0                                     | (0)     | 1                                       | (100.0) | 1                |

\*Children not shown (n = 76) include those who were unrestrained (n = 57), whose restraint use was unknown (n = 14), whose restraint type was reported as "other" (n = three), and who were aged 8 years in lap/shoulder belts with missing parent-reported heights (n = two).

†Includes blacks who are Hispanic and non-Hispanic.

Appropriateness of restraint type was similar for boys and girls. A higher percentage of both black and Hispanic children were inappropriately restrained, compared with non-Hispanic whites (47% and 50%, respectively, versus 34%). A higher percentage of children in trucks were restrained inappropriately, compared with children in other vehicle types (48% versus 40% on average for cars, sports-utility vehicles, and vans).

**Reported by:** RA Shults, PhD, A Greenspan, DrPH, A Dellinger, PhD, Div of Unintentional Injury Prevention, T Haileyesus, MS, Office of Statistics and Programming, National Center for Injury Prevention and Control; KC Lee, MD, EIS Officer, CDC.

**Editorial Note:** The results of this study underscore the need for restraint use for child passengers, which can reduce their risks for multiple injuries and hospitalization in MVCs. The findings in this study also are consistent with previous studies reporting that young children who should be in booster seats are often placed in seatbelts, including lap/shoulder and lap belts (3,7,8). Previous studies have indicated that young children are at increased risk for serious injury when placed in seatbelts prematurely (3,8). Likely mechanisms include 1) increased head excursion, resulting in its impact with the child's knees or the vehicle interior or 2) rapid "jackknife" bending about an improperly fitted seatbelt, which increases risks for intraabdominal and spinal cord injuries (injuries known collectively as "seatbelt syndrome") (8).

The findings in this report are subject to at least five limitations. First, these findings rely, in part, on parental reports of crash circumstances and their children's restraint use, heights, and weights, which might be subject to social desirability bias, particularly for restraint use. Although some discrepancies were observed between chart-reported and parent-reported weights for the 257 children who had data from both sources, they were well-correlated (correlation coefficient = 0.96,  $p < 0.0001$ ). Second, certain children aged <8 years with missing heights might have actually been  $\geq 57$  inches tall, so this analysis might have assumed incorrectly that they were not tall enough for lap/shoulder belts. Third, crash circumstances were not verified independently or investigated. Fourth, generalizability of this study's findings might be limited by its low response rate, small sample size, and missing data for race/ethnicity. Finally, individual ED health-care providers might vary in how thoroughly they record diagnosis information.

Child restraint laws in all 50 states should be updated to be consistent with current NHTSA guidelines and vigorously enforced. Booster seat use should be promoted for children who have outgrown child safety seats but have not yet reached the appropriate age or height for wearing lap/shoulder belts. Although 33 states and the District of Columbia have laws

requiring booster seat use for such children, only two states (Tennessee and Wyoming) require their use for children aged up to 8 years. Strong enforcement measures, targeted mass media campaigns, and community outreach can increase age-appropriate restraint use among children (9). Community-based interventions to increase age-appropriate child restraint use should target groups with higher rates of nonuse of restraints (e.g., blacks, Hispanics, and truck passengers) and inappropriate restraint use (e.g., premature graduation to lap/shoulder belts and use of lap belts only). Two of the national health objectives for 2010 include reduction in deaths from MVCs and increased restraint use for child passengers (10). Child passenger safety also has been identified as a research priority by CDC, which conducts research, supports extramural research and programs, and disseminates information regarding safe practices.

#### Acknowledgments

The findings in this report are based, in part, on contributions by the Consumer Product Safety Commission and L Annett, PhD, Office of Statistics and Programming, National Center for Injury Prevention and Control, CDC.

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## Hantavirus Pulmonary Syndrome — Five States, 2006

Hantavirus pulmonary syndrome (HPS) is a rodentborne viral disease characterized by severe pulmonary illness and a case-fatality ratio of 30%–40%. Sin Nombre virus causes the majority of HPS cases in the United States, and the deer mouse (*Peromyscus maniculatus*) is its predominant reservoir. This report describes an increase in human cases of HPS reported during January–March 2006 from Arizona, New Mexico, North Dakota, Texas, and Washington state. The findings emphasize the need for renewed attention to reducing the risk for hantavirus exposure.

### Human HPS

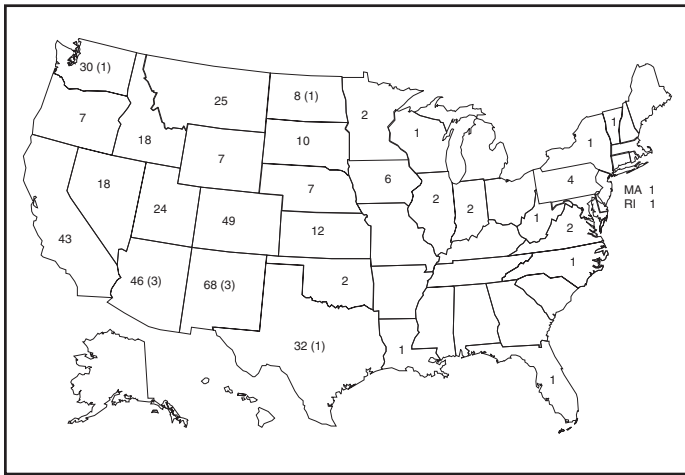
HPS is characterized by a febrile illness (i.e., temperature >101.0°F) associated with bilateral diffuse interstitial edema of the lungs developing within 72 hours of hospitalization in a previously healthy person; radiographically, the edema can resemble acute respiratory distress syndrome (1). Annually, the majority of HPS cases occur in spring and summer; however, the seasonality of HPS can vary by elevation, location, and biome, and cases have been identified throughout the winter and early spring (2). Since recognition of the disease in 1993, CDC has confirmed 438 cases of HPS\* reported from 30 states among residents of 32 states (Figure 1); 35% (154) of these cases were fatal.

During January–March 2006, a total of nine confirmed cases (based on onset date) of HPS were reported from Arizona, New Mexico, North Dakota, Texas, and Washington. Six of the nine cases were in Arizona and New Mexico. During 1994 and 1999, a similar number of HPS cases was confirmed nationally in the same 3-month period. Both years were characterized by environmental conditions (e.g., increased rainfall and vegetative biomass) during the preceding 1–2 years that promoted increased rodent populations. This, in turn, increased virus transmission in the rodent populations and increased exposure risk for humans (2–4). During 1994, 1999, and 2000, more than six cases were confirmed in the first 3 months of each year, and all had a high yearly total of HPS cases (Figure 2). Nine cases of HPS were identified in the first 3 months of 2006, suggesting that a greater risk for human hantavirus infection might exist this year.

**Reported by:** D Engelthaler, C Levy, Arizona Dept of Health Svcs. P Eitestad, DVM, New Mexico Dept of Health. K Kruger, North Dakota Dept of Health. J Schuermann, Texas Dept of State Health Svcs. M Leslie, DVM, Washington Dept of Health. Special Pathogens Br, Div of Viral and Rickettsial Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (proposed), CDC.

\* As of May 10, 2006.

**FIGURE 1. Total number of confirmed cases of hantavirus pulmonary syndrome, by state of exposure — United States, 1993–2006\***





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### Notice to Readers

## **Updated Recommendations of the Advisory Committee on Immunization Practices (ACIP) for the Control and Elimination of Mumps**

On June 1, this notice was posted as an MMWR Early Release on the MMWR website (<http://www.cdc.gov/mmwr>).

On May 17, 2006, the Advisory Committee on Immunization Practices (ACIP) updated criteria for mumps immunity and mumps vaccination recommendations. According to the 1998 ACIP recommendations for measles, mumps, and rubella (MMR) vaccine, for routine vaccination, a first dose of MMR vaccine is recommended at ages 12–15 months and a second dose at ages 4–6 years. Two doses of MMR vaccine also are recommended for students attending colleges and other post-high school institutions (1). However, documentation of mumps immunity through vaccination has consisted of only 1 dose of mumps-containing vaccine for all designated groups, including health-care workers.

Live mumps virus vaccines (i.e., mumps and MMR vaccines) produced in the United States are derived from the Jeryl Lynn mumps vaccine strain. Postlicensure studies in the United States demonstrated that 1 dose of mumps vaccine was 78%–91% effective in preventing clinical mumps with parotitis (2). However, in the late 1980s and early 1990s, mumps outbreaks were observed in schools with extremely high (>95%) vaccination coverage (3,4), suggesting that 1 dose of mumps vaccine or MMR vaccine was not sufficient to prevent mumps outbreaks in school settings.

In response to the resurgence of measles that began in 1989 and continued through 1991 (1), a second dose of MMR vaccine for school-aged (i.e., grades K–12) and college students was recommended in 1989. Since implementation of the

2-dose MMR vaccination requirement, the incidence of mumps disease has decreased, and studies of vaccine effectiveness during outbreaks suggest substantially higher levels of protection with a second dose of MMR. For example, during a mumps outbreak at a Kansas high school during the 1988–89 school year, students who had received only 1 dose of MMR had five times the risk of contracting mumps compared with students who had received 2 doses (3). A study from the United Kingdom, which uses MMR vaccines that contain either the Jeryl Lynn mumps vaccine strain or the RIT 4385 strain (derived from the Jeryl Lynn strain) (2), indicated a vaccine effectiveness of 88% for 2 doses of MMR vaccine compared with 64% for a single dose (5). In addition, elimination of mumps was declared in Finland through high and sustained coverage with 2 doses of MMR vaccine (6).

Infection-control failures resulting in nosocomial transmission have occurred during mumps outbreaks involving hospitals and long-term-care facilities that housed adolescent and young adult patients (7). Exposures to mumps in health-care settings also can result in added economic costs associated with furlough or reassignment of staff members from patient-care duties or closure of wards.

During January 1–May 2, 2006, the current outbreak in the United States has resulted in reports of 2,597 cases of mumps in 11 states (8). The outbreak has underscored certain limitations in the 1998 recommendations relating to prevention of mumps transmission in health-care and other settings with high risk for mumps transmission. After reviewing data from the current outbreak and previous evidence on mumps vaccine effectiveness and transmission, ACIP issued updated recommendations for mumps vaccination (Box).

### **Acceptable Presumptive Evidence of Immunity to Mumps**

Acceptable presumptive evidence of immunity to mumps includes one of the following: 1) documentation of adequate vaccination, 2) laboratory evidence of immunity, 3) birth before 1957, or 4) documentation of physician-diagnosed mumps. Evidence of immunity through documentation of adequate vaccination is now defined as 1 dose of a live mumps virus vaccine for preschool-aged children and adults not at high risk and 2 doses for school-aged children (i.e., grades K–12) and for adults at high risk (i.e., health-care workers,\*

\*Health-care workers include persons who provide health care to patients or work in institutions that provide patient care (e.g., physicians, nurses, emergency medical personnel, dental professionals and students, medical and nursing students, laboratory technicians, hospital volunteers, or administrative and support staff in health-care institutions).

**BOX. Key changes to 1998 ACIP recommendations on mumps — May 17, 2006**

**Acceptable Presumptive Evidence of Immunity**

- Documentation of adequate vaccination is now 2 doses of a live mumps virus vaccine instead of 1 dose for
  - School-aged children (i.e., grades K–12).
  - Adults at high risk (i.e., persons who work in health-care facilities, international travelers, and students at post–high school educational institutions).

**Routine Vaccination for Health-Care Workers**

- Persons born during or after 1957 without other evidence of immunity: 2 doses of a live mumps virus vaccine.
- Persons born before 1957 without other evidence of immunity: consider recommending 1 dose of a live mumps virus vaccine.

**For Outbreak Settings**

- Children aged 1–4 years and adults at low risk: if affected by the outbreak, consider a second dose\* of live mumps virus vaccine.
- Health-care workers born before 1957 without other evidence of immunity: strongly consider recommending 2 doses of live mumps virus vaccine.

\*Minimum interval between doses = 28 days.

international travelers, and students at post–high school educational institutions).<sup>†</sup>

**Routine Vaccination for Health-Care Workers**

All persons who work in health-care facilities should be immune to mumps. Adequate mumps vaccination for health-care workers born during or after 1957 consists of 2 doses of a live mumps virus vaccine. Health-care workers with no history of mumps vaccination and no other evidence of immunity should receive 2 doses (at a minimum interval of 28 days between doses). Health-care workers who have received only 1 dose previously should receive a second dose. Because birth before 1957 is only presumptive evidence of immunity, health-care facilities should consider recommending 1 dose of a live mumps virus vaccine for unvaccinated workers born before 1957 who do not have a history of physician-diagnosed mumps or laboratory evidence of mumps immunity.

<sup>†</sup>The first dose of mumps-containing vaccine should be administered on or after the first birthday; the second dose should be administered no earlier than 1 month (i.e., at a minimum of 28 days) after the first dose. MMR vaccine generally should be used whenever any of its component vaccines are indicated. For children aged 12 months–12 years, combined measles, mumps, rubella, and varicella (MMRV) vaccine can be considered if varicella vaccination is also indicated.

**Mumps Outbreak Control**

Depending on the epidemiology of the outbreak (e.g., the age groups and/or institutions involved), a second dose of mumps vaccine should be considered for children aged 1–4 years and adults who have received 1 dose. In health-care settings, an effective routine MMR vaccination program for health-care workers is the best approach to prevent nosocomial transmission. During an outbreak, health-care facilities should strongly consider recommending 2 doses of a live mumps virus vaccine to unvaccinated workers born before 1957 who do not have evidence of mumps immunity.

These new recommendations for health-care workers are intended to offer increased protection during a recognized outbreak of mumps. However, reviewing health-care worker immune status for mumps and providing vaccine during an outbreak might be impractical or inefficient. Therefore, facilities might consider reviewing the immune status of health-care workers routinely and providing appropriate vaccinations, including a second dose of mumps vaccine, in conjunction with routine annual disease-prevention measures such as influenza vaccination or tuberculin testing.

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**Errata: Vol. 55, No. 21**

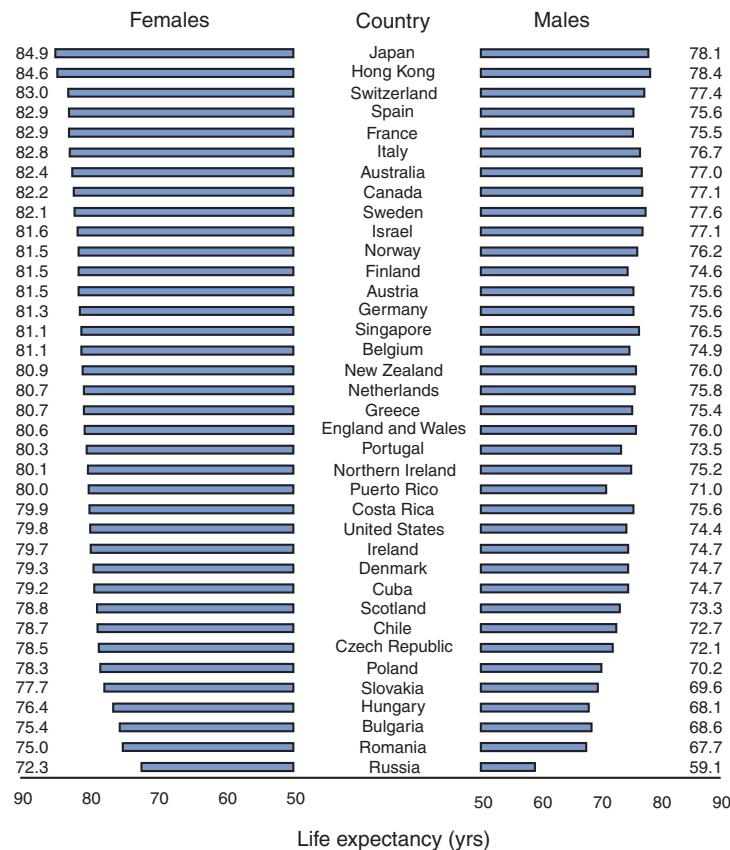
In the Notice to Readers, “Annual Conference on Assessment Initiative — August 15–17, 2006,” in the second sentence of the second paragraph, the Internet address provided for online registration information is incorrect. The correct link is <http://www.signup4.net/public/ap.aspx?EID=ASSE10E>.

On page 606, in Table I, “Provisional cases of infrequently reported notifiable diseases (<1,000 cases during the preceding year) — United States, week ending May 27, 2006 (21st Week),” in the row, “Influenza-associated pediatric mortality,” in the column, “Cum 2005,” the total should be 49.

# QuickStats

FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

## Life Expectancy at Birth, by Sex — Selected Countries, 2001\*



\* Rankings are from the highest to lowest female life expectancy at birth, as published in *Health, United States, 2005* (HUS 2005). Life expectancy at birth represents the average number of years that a group of infants would live if the infants were to experience throughout life the age-specific death rates present at birth. Data are reported by countries. Because calculation of life-expectancy estimates varies by country, comparisons should be made with caution. Certain life-expectancy estimates were revised and differ from those published in HUS 2005.

In 2001, life expectancy (LE) at birth ranged from a low of 59.1 years for Russian males to a high of 84.9 years for Japanese females. LE for males in the United States ranked 26th among 37 countries (74.4 years) and for females ranked 25th (79.8 years). The greatest difference in LE between sexes was observed in Russia (13.2 years). The smallest LE difference between sexes was in Costa Rica (4.3 years).

**SOURCE:** National Center for Health Statistics, *Health, United States, 2005*: with chartbook on trends in the health of Americans. Hyattsville, MD: US Department of Health and Human Services, CDC, National Center for Health Statistics; 2005.

**TABLE 1. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending June 3, 2006 (22nd Week)\***

| Disease  | Current week | Cum 2006 | 5-year weekly average† | Total cases reported for previous years |       |       |       |       | States reporting cases during current week (No.)               |
|--|--------------|----------|------------------------|---|-------|-------|-------|-------|--|
|  |              |          |                        | 2005                                    | 2004  | 2003  | 2002  | 2001  |  |
| Anthrax  | —            | 1        | —                      | —                                       | —     | —     | 2     | 23    |  |
| Botulism:  |              |          |                        |   |       |       |       |       |  |
| foodborne  | —            | 1        | 0                      | 18                                      | 16    | 20    | 28    | 39    |  |
| infant   | 1            | 28       | 2                      | 90                                      | 87    | 76    | 69    | 97    | WA (1)   |
| other (wound & unspecified)                            | —            | 22       | 0                      | 33                                      | 30    | 33    | 21    | 19    |  |
| Brucellosis  | 1            | 41       | 2                      | 122                                     | 114   | 104   | 125   | 136   | FL (1)   |
| Chancroid  | —            | 13       | 1                      | 17                                      | 30    | 54    | 67    | 38    |  |
| Cholera  | —            | 1        | 0                      | 6                                       | 5     | 2     | 2     | 3     |  |
| Cyclosporiasis§  | 1            | 20       | 13                     | 734                                     | 171   | 75    | 156   | 147   | DC (1)   |
| Diphtheria   | —            | —        | —                      | —                                       | —     | 1     | 1     | 2     |  |
| Domestic arboviral diseases§§:                         |              |          |                        |   |       |       |       |       |  |
| California serogroup                                   | —            | —        | 0                      | 78                                      | 112   | 108   | 164   | 128   |  |
| eastern equine   | —            | —        | 0                      | 21                                      | 6     | 14    | 10    | 9     |  |
| Powassan   | —            | —        | —                      | 1                                       | 1     | —     | 1     | N     |  |
| St. Louis  | —            | —        | 0                      | 10                                      | 12    | 41    | 28    | 79    |  |
| western equine   | —            | —        | —                      | —                                       | —     | —     | —     | —     |  |
| Ehrlichiosis§:   |              |          |                        |   |       |       |       |       |  |
| human granulocytic                                     | 3            | 28       | 8                      | 777                                     | 537   | 362   | 511   | 261   | MN (3)   |
| human monocytic  | 3            | 56       | 5                      | 510                                     | 338   | 321   | 216   | 142   | MO (1), GA (1), TN (1)   |
| human (other & unspecified)                            | —            | 6        | 2                      | 121                                     | 59    | 44    | 23    | 6     |  |
| <i>Haemophilus influenzae</i> ,**                      |              |          |                        |   |       |       |       |       |  |
| invasive disease (age <5 yrs):                         |              |          |                        |   |       |       |       |       |  |
| serotype b   | —            | 3        | 1                      | 9                                       | 19    | 32    | 34    | —     |  |
| nonserotype b  | —            | 38       | 3                      | 135                                     | 135   | 117   | 144   | —     |  |
| unknown serotype                                       | 1            | 79       | 3                      | 212                                     | 177   | 227   | 153   | —     | AR (1)   |
| Hansen disease§  | 2            | 19       | 2                      | 88                                      | 105   | 95    | 96    | 79    | CA (2)   |
| Hantavirus pulmonary syndrome§                         | —            | 8        | 1                      | 22                                      | 24    | 26    | 19    | 8     |  |
| Hemolytic uremic syndrome, postdiarrheal§              | 1            | 43       | 3                      | 216                                     | 200   | 178   | 216   | 202   | CA (1)   |
| Hepatitis C viral, acute                               | 7            | 325      | 31                     | 778                                     | 713   | 1,102 | 1,835 | 3,976 | NY (1), PA (1), MI (2), MN (1), KY (1), CO (1)                 |
| HIV infection, pediatric (age <13 yrs)§††              | —            | 52       | 5                      | 380                                     | 436   | 504   | 420   | 543   |  |
| Influenza-associated pediatric mortality§,§§,¶¶        | 1            | 34       | 0                      | 49                                      | —     | N     | N     | N     | CA (1)   |
| Listeriosis  | 1            | 188      | 12                     | 891                                     | 753   | 696   | 665   | 613   | NY (1)   |
| Measles  | —            | 19***    | 1                      | 65                                      | 37    | 56    | 44    | 116   |  |
| Meningococcal disease,††† invasive:                    |              |          |                        |   |       |       |       |       |  |
| A, C, Y, & W-135                                       | 1            | 114      | 6                      | 294                                     | —     | —     | —     | —     | MN (1)   |
| serogroup B  | —            | 63       | 3                      | 153                                     | —     | —     | —     | —     |  |
| other serogroup  | —            | 12       | 1                      | 27                                      | —     | —     | —     | —     |  |
| Mumps  | 25           | 3,633    | 6                      | 310                                     | 258   | 231   | 270   | 266   | NY (1), PA (4), OH (2), IN (2), MO (6), NE (6), AZ (3), CA (1) |
| Plague   | —            | 1        | 0                      | 7                                       | 3     | 1     | 2     | 2     |  |
| Poliomyelitis, paralytic                               | —            | —        | —                      | 1                                       | —     | —     | —     | —     |  |
| Psittacosis§   | —            | 8        | 0                      | 19                                      | 12    | 12    | 18    | 25    |  |
| Q fever§   | 2            | 48       | 3                      | 137                                     | 70    | 71    | 61    | 26    | NE (1), TN (1)   |
| Rabies, human  | —            | —        | —                      | 2                                       | 7     | 2     | 3     | 1     |  |
| Rubella  | —            | 3        | 0                      | 11                                      | 10    | 7     | 18    | 23    |  |
| Rubella, congenital syndrome                           | —            | 1        | —                      | 1                                       | —     | 1     | 1     | 3     |  |
| SARS-CoV§§   | —            | —        | 0                      | —                                       | —     | 8     | N     | N     |  |
| Smallpox§  | —            | —        | —                      | —                                       | —     | —     | —     | —     |  |
| Streptococcal toxic-shock syndrome§                    | 1            | 55       | 3                      | 129                                     | 132   | 161   | 118   | 77    | OH (1)   |
| <i>Streptococcus pneumoniae</i> ,§                     |              |          |                        |   |       |       |       |       |  |
| invasive disease (age <5 yrs)                          | 10           | 510      | 16                     | 1,225                                   | 1,162 | 845   | 513   | 498   | MA (1), NY (1), IN (1), MI (1), MN (1), OK (1), TX (2), CO (2) |
| Syphilis, congenital (age <1 yr)                       | —            | 89       | 9                      | 361                                     | 353   | 413   | 412   | 441   |  |
| Tetanus  | —            | 7        | 1                      | 26                                      | 34    | 20    | 25    | 37    |  |
| Toxic-shock syndrome (other than streptococcal)§       | —            | 41       | 2                      | 94                                      | 95    | 133   | 109   | 127   |  |
| Trichinellosis   | —            | 3        | 0                      | 20                                      | 5     | 6     | 14    | 22    |  |
| Tularemia§   | 1            | 15       | 3                      | 154                                     | 134   | 129   | 90    | 129   | MO (1)   |
| Typhoid fever  | 3            | 99       | 6                      | 320                                     | 322   | 356   | 321   | 368   | NY (1), CA (2)   |
| Vancomycin-intermediate <i>Staphylococcus aureus</i> § | 1            | 2        | —                      | 2                                       | —     | N     | N     | N     | NE (1)   |
| Vancomycin-resistant <i>Staphylococcus aureus</i> §    | —            | —        | 0                      | —                                       | 1     | N     | N     | N     |  |
| Yellow fever   | —            | —        | —                      | —                                       | —     | —     | 1     | —     |  |

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

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

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

§ Not notifiable in all states.

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

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

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

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

¶¶ Of the 39 cases reported since October 2, 2005 (week 40), only 35 occurred during the current 2005–06 season.

\*\*\* No measles cases were reported for the current week.

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





TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 3, 2006, and June 4, 2005 (22nd Week)\*

| Reporting area       | Hepatitis (viral, acute), by type |                   |     |          |          |              |                   |     |          |          | Legionellosis |                   |     |          |          |
|----------------------|-----------------------------------|-------------------|-----|----------|----------|--------------|-------------------|-----|----------|----------|---------------|-------------------|-----|----------|----------|
|                      | A                                 |                   |     |          |          | B            |                   |     |          |          |               |                   |     |          |          |
|                      | Current week                      | Previous 52 weeks |     | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks |     | Cum 2006 | Cum 2005 | Current week  | Previous 52 weeks |     | Cum 2006 | Cum 2005 |
|                      | Med                               | Max               |     |          |          | Med          | Max               |     |          |          | Med           | Max               |     |          |          |
| <b>United States</b> | 26                                | 76                | 243 | 1,427    | 1,604    | 47           | 88                | 593 | 1,518    | 2,211    | 26            | 41                | 126 | 515      | 465      |
| <b>New England</b>   | 2                                 | 6                 | 22  | 84       | 172      | 1            | 2                 | 9   | 28       | 56       | —             | 2                 | 12  | 18       | 25       |
| Connecticut          | 1                                 | 1                 | 3   | 14       | 23       | —            | 0                 | 5   | —        | 22       | —             | 0                 | 8   | 6        | 6        |
| Maine                | —                                 | 0                 | 2   | 4        | —        | —            | 0                 | 2   | 6        | 4        | —             | 0                 | 1   | 3        | 1        |
| Massachusetts        | —                                 | 4                 | 14  | 43       | 112      | —            | 1                 | 5   | 13       | 20       | —             | 1                 | 6   | 7        | 13       |
| New Hampshire        | —                                 | 1                 | 12  | 14       | 30       | 1            | 0                 | 3   | 5        | 8        | —             | 0                 | 1   | 1        | 4        |
| Rhode Island         | 1                                 | 0                 | 4   | 3        | 5        | —            | 0                 | 2   | 4        | —        | —             | 0                 | 10  | —        | 1        |
| Vermont†             | —                                 | 0                 | 2   | 6        | 2        | —            | 0                 | 1   | —        | 2        | —             | 0                 | 3   | 1        | —        |
| <b>Mid. Atlantic</b> | 4                                 | 10                | 24  | 98       | 268      | 2            | 9                 | 55  | 153      | 301      | 10            | 11                | 53  | 130      | 136      |
| New Jersey           | —                                 | 2                 | 9   | 17       | 49       | —            | 3                 | 10  | 39       | 111      | —             | 1                 | 13  | 6        | 24       |
| New York (Upstate)   | 3                                 | 1                 | 14  | 33       | 40       | —            | 1                 | 43  | 27       | 28       | 5             | 4                 | 29  | 54       | 35       |
| New York City        | —                                 | 2                 | 10  | 25       | 132      | —            | 1                 | 5   | 19       | 65       | —             | 1                 | 20  | 10       | 19       |
| Pennsylvania         | 1                                 | 1                 | 6   | 23       | 47       | 2            | 3                 | 9   | 68       | 97       | 5             | 5                 | 17  | 60       | 58       |
| <b>E.N. Central</b>  | 1                                 | 6                 | 15  | 119      | 144      | 6            | 8                 | 24  | 133      | 237      | 3             | 8                 | 25  | 102      | 102      |
| Illinois             | —                                 | 2                 | 11  | 16       | 45       | —            | 1                 | 7   | 6        | 68       | —             | 1                 | 5   | 8        | 16       |
| Indiana              | —                                 | 0                 | 7   | 16       | 8        | —            | 0                 | 17  | 15       | 10       | —             | 0                 | 6   | 2        | 8        |
| Michigan             | 1                                 | 2                 | 8   | 47       | 46       | —            | 3                 | 7   | 57       | 83       | 1             | 2                 | 6   | 25       | 26       |
| Ohio                 | —                                 | 1                 | 4   | 33       | 25       | 6            | 2                 | 8   | 50       | 62       | 2             | 3                 | 19  | 49       | 44       |
| Wisconsin            | —                                 | 1                 | 5   | 7        | 20       | —            | 0                 | 6   | 5        | 14       | —             | 1                 | 5   | 18       | 8        |
| <b>W.N. Central</b>  | 3                                 | 2                 | 29  | 60       | 44       | —            | 5                 | 19  | 59       | 106      | —             | 1                 | 12  | 17       | 13       |
| Iowa                 | —                                 | 0                 | 2   | 3        | 10       | —            | 0                 | 2   | 1        | 8        | —             | 0                 | 1   | 1        | 2        |
| Kansas               | —                                 | 0                 | 5   | 17       | 7        | —            | 0                 | 2   | 8        | 16       | —             | 0                 | 1   | 1        | 1        |
| Minnesota            | —                                 | 0                 | 29  | 3        | 3        | —            | 0                 | 13  | 6        | 8        | —             | 0                 | 10  | —        | 1        |
| Missouri             | 2                                 | 0                 | 4   | 23       | 21       | —            | 3                 | 7   | 41       | 60       | —             | 0                 | 3   | 10       | 8        |
| Nebraska†            | 1                                 | 0                 | 3   | 9        | 3        | —            | 0                 | 2   | 3        | 13       | —             | 0                 | 2   | 3        | —        |
| North Dakota         | —                                 | 0                 | 2   | —        | —        | —            | 0                 | 0   | —        | —        | —             | 0                 | 1   | —        | 1        |
| South Dakota         | —                                 | 0                 | 3   | 5        | —        | —            | 0                 | 1   | —        | 1        | —             | 0                 | 6   | 2        | —        |
| <b>S. Atlantic</b>   | 3                                 | 12                | 34  | 207      | 236      | 19           | 23                | 65  | 470      | 645      | 3             | 9                 | 19  | 130      | 96       |
| Delaware             | —                                 | 0                 | 2   | 7        | 2        | —            | 0                 | 4   | 16       | 18       | —             | 0                 | 4   | 1        | 3        |
| District of Columbia | —                                 | 0                 | 2   | 2        | 2        | —            | 0                 | 4   | 4        | —        | 1             | 0                 | 2   | 5        | 2        |
| Florida              | 3                                 | 4                 | 18  | 76       | 83       | 11           | 8                 | 19  | 186      | 222      | 1             | 3                 | 8   | 62       | 32       |
| Georgia              | —                                 | 1                 | 7   | 22       | 43       | 2            | 3                 | 8   | 69       | 106      | 1             | 0                 | 4   | 5        | 11       |
| Maryland†            | —                                 | 1                 | 7   | 27       | 24       | —            | 2                 | 8   | 57       | 73       | —             | 2                 | 9   | 25       | 21       |
| North Carolina       | —                                 | 0                 | 20  | 40       | 28       | 5            | 0                 | 23  | 74       | 67       | —             | 0                 | 3   | 14       | 10       |
| South Carolina†      | —                                 | 1                 | 3   | 10       | 12       | 1            | 2                 | 7   | 25       | 68       | —             | 0                 | 2   | 2        | 3        |
| Virginia†            | —                                 | 1                 | 11  | 22       | 39       | —            | 1                 | 18  | 14       | 76       | —             | 1                 | 7   | 15       | 10       |
| West Virginia        | —                                 | 0                 | 1   | 1        | 3        | —            | 0                 | 18  | 25       | 15       | —             | 0                 | 3   | 1        | 4        |
| <b>E.S. Central</b>  | 1                                 | 3                 | 15  | 47       | 102      | 3            | 6                 | 18  | 125      | 168      | 7             | 2                 | 6   | 28       | 20       |
| Alabama†             | —                                 | 0                 | 9   | 2        | 13       | —            | 1                 | 7   | 36       | 42       | —             | 0                 | 1   | 5        | 7        |
| Kentucky             | —                                 | 0                 | 5   | 22       | 6        | —            | 1                 | 5   | 33       | 36       | 1             | 0                 | 4   | 6        | 5        |
| Mississippi          | —                                 | 0                 | 2   | 2        | 10       | —            | 0                 | 3   | 5        | 23       | —             | 0                 | 1   | —        | 1        |
| Tennessee†           | 1                                 | 1                 | 7   | 21       | 73       | 3            | 2                 | 12  | 51       | 67       | 6             | 1                 | 4   | 17       | 7        |
| <b>W.S. Central</b>  | —                                 | 8                 | 77  | 101      | 175      | 6            | 13                | 315 | 224      | 195      | —             | 1                 | 32  | 11       | 7        |
| Arkansas             | —                                 | 0                 | 8   | 25       | 6        | —            | 1                 | 4   | 13       | 30       | —             | 0                 | 3   | —        | 2        |
| Louisiana            | —                                 | 0                 | 4   | 3        | 29       | —            | 1                 | 3   | 10       | 34       | —             | 0                 | 1   | 4        | —        |
| Oklahoma             | —                                 | 0                 | 2   | 3        | 3        | 1            | 0                 | 17  | 2        | 20       | —             | 0                 | 3   | 1        | 1        |
| Texas†               | —                                 | 6                 | 73  | 70       | 137      | 5            | 10                | 295 | 199      | 111      | —             | 0                 | 26  | 6        | 4        |
| <b>Mountain</b>      | —                                 | 5                 | 19  | 117      | 134      | —            | 7                 | 39  | 127      | 232      | 1             | 1                 | 8   | 37       | 40       |
| Arizona              | —                                 | 3                 | 18  | 75       | 63       | —            | 5                 | 27  | 85       | 150      | —             | 0                 | 3   | 17       | 11       |
| Colorado             | —                                 | 1                 | 4   | 16       | 17       | —            | 1                 | 5   | 13       | 20       | —             | 0                 | 3   | 2        | 10       |
| Idaho†               | —                                 | 0                 | 2   | 4        | 17       | —            | 0                 | 2   | 5        | 5        | 1             | 0                 | 2   | 4        | 1        |
| Montana              | —                                 | 0                 | 2   | 4        | 7        | —            | 0                 | 7   | —        | 3        | —             | 0                 | 1   | 1        | 3        |
| Nevada†              | —                                 | 0                 | 2   | 4        | 7        | —            | 1                 | 4   | 12       | 20       | —             | 0                 | 2   | 3        | 7        |
| New Mexico†          | —                                 | 0                 | 3   | 5        | 9        | —            | 0                 | 3   | 1        | 11       | —             | 0                 | 1   | —        | 2        |
| Utah                 | —                                 | 0                 | 2   | 8        | 13       | —            | 0                 | 5   | 11       | 22       | —             | 0                 | 2   | 9        | 4        |
| Wyoming              | —                                 | 0                 | 1   | 1        | 1        | —            | 0                 | 1   | —        | 1        | —             | 0                 | 1   | 1        | 2        |
| <b>Pacific</b>       | 12                                | 19                | 163 | 594      | 329      | 10           | 9                 | 61  | 199      | 271      | 2             | 2                 | 9   | 42       | 26       |
| Alaska               | —                                 | 0                 | 1   | —        | 3        | —            | 0                 | 1   | 1        | 6        | —             | 0                 | 1   | —        | —        |
| California           | 12                                | 15                | 162 | 552      | 277      | 7            | 7                 | 41  | 154      | 188      | 2             | 1                 | 9   | 42       | 25       |
| Hawaii               | —                                 | 0                 | 2   | 7        | 10       | —            | 0                 | 1   | 1        | 2        | —             | 0                 | 1   | —        | 1        |
| Oregon†              | —                                 | 1                 | 5   | 18       | 19       | 2            | 1                 | 6   | 27       | 46       | N             | 0                 | 0   | N        | N        |
| Washington           | —                                 | 1                 | 13  | 17       | 20       | 1            | 0                 | 18  | 16       | 29       | —             | 0                 | 0   | —        | —        |
| American Samoa       | U                                 | 0                 | 1   | U        | —        | U            | 0                 | 0   | U        | —        | U             | 0                 | 0   | U        | U        |
| C.N.M.I.             | U                                 | 0                 | 0   | U        | U        | U            | 0                 | 0   | U        | U        | U             | 0                 | 0   | U        | U        |
| Guam                 | —                                 | 0                 | 1   | —        | 2        | —            | 0                 | 2   | —        | 14       | —             | 0                 | 0   | —        | —        |
| Puerto Rico          | —                                 | 0                 | 4   | 7        | 36       | —            | 1                 | 8   | 10       | 13       | —             | 0                 | 1   | 1        | —        |
| U.S. Virgin Islands  | —                                 | 0                 | 0   | —        | —        | —            | 0                 | 0   | —        | —        | —             | 0                 | 0   | —        | —        |

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

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

Cum: Cumulative year-to-date counts.

Med: Median.

Max: Maximum.

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

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 3, 2006, and June 4, 2005 (22nd Week)\*

| Reporting area       | Lyme disease |                   |       |          |          | Malaria      |                   |     |          |          |
|----------------------|--------------|-------------------|-------|----------|----------|--------------|-------------------|-----|----------|----------|
|                      | Current week | Previous 52 weeks |       | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks |     | Cum 2006 | Cum 2005 |
|                      |              | Med               | Max   |          |          |              | Med               | Max |          |          |
| <b>United States</b> | 63           | 285               | 2,153 | 2,142    | 2,972    | 9            | 25                | 125 | 399      | 481      |
| <b>New England</b>   | —            | 60                | 780   | 145      | 436      | 2            | 1                 | 12  | 19       | 24       |
| Connecticut          | —            | 8                 | 753   | 73       | 36       | —            | 0                 | 10  | 1        | —        |
| Maine                | —            | 3                 | 26    | 28       | 27       | —            | 0                 | 1   | 2        | 2        |
| Massachusetts        | —            | 13                | 205   | 11       | 339      | 2            | 0                 | 3   | 12       | 17       |
| New Hampshire        | —            | 5                 | 21    | 25       | 28       | —            | 0                 | 1   | 3        | 3        |
| Rhode Island         | —            | 0                 | 12    | —        | 3        | —            | 0                 | 8   | —        | 2        |
| Vermont†             | —            | 1                 | 5     | 8        | 3        | —            | 0                 | 1   | 1        | —        |
| <b>Mid. Atlantic</b> | 49           | 156               | 1,177 | 1,467    | 1,613    | —            | 5                 | 15  | 67       | 135      |
| New Jersey           | —            | 22                | 311   | 260      | 629      | —            | 1                 | 7   | 13       | 33       |
| New York (Upstate)   | 42           | 73                | 1,151 | 722      | 320      | —            | 1                 | 11  | 10       | 20       |
| New York City        | —            | 4                 | 33    | —        | 90       | —            | 3                 | 8   | 33       | 67       |
| Pennsylvania         | 7            | 39                | 376   | 485      | 574      | —            | 1                 | 2   | 11       | 15       |
| <b>E.N. Central</b>  | —            | 9                 | 160   | 73       | 235      | —            | 3                 | 8   | 41       | 47       |
| Illinois             | —            | 0                 | 13    | —        | 20       | —            | 1                 | 5   | 10       | 25       |
| Indiana              | —            | 0                 | 4     | 3        | 2        | —            | 0                 | 3   | 6        | 3        |
| Michigan             | —            | 1                 | 7     | 9        | 1        | —            | 0                 | 2   | 7        | 9        |
| Ohio                 | —            | 1                 | 5     | 15       | 19       | —            | 1                 | 3   | 13       | 5        |
| Wisconsin            | —            | 8                 | 145   | 46       | 193      | —            | 0                 | 3   | 5        | 5        |
| <b>W.N. Central</b>  | 5            | 10                | 98    | 56       | 90       | —            | 0                 | 32  | 21       | 23       |
| Iowa                 | —            | 0                 | 8     | 2        | 24       | —            | 0                 | 1   | 1        | 3        |
| Kansas               | —            | 0                 | 1     | 1        | 1        | —            | 0                 | 1   | —        | 2        |
| Minnesota            | 4            | 6                 | 96    | 49       | 63       | —            | 0                 | 30  | 14       | 8        |
| Missouri             | —            | 0                 | 2     | 2        | 2        | —            | 0                 | 2   | 3        | 10       |
| Nebraska†            | 1            | 0                 | 2     | 2        | —        | —            | 0                 | 2   | 1        | —        |
| North Dakota         | —            | 0                 | 3     | —        | —        | —            | 0                 | 1   | 1        | —        |
| South Dakota         | —            | 0                 | 1     | —        | —        | —            | 0                 | 1   | 1        | —        |
| <b>S. Atlantic</b>   | 1            | 26                | 124   | 303      | 521      | 2            | 6                 | 16  | 120      | 94       |
| Delaware             | —            | 9                 | 37    | 125      | 216      | —            | 0                 | 1   | 2        | 1        |
| District of Columbia | —            | 0                 | 2     | 7        | 3        | —            | 0                 | 2   | —        | 2        |
| Florida              | 1            | 1                 | 5     | 14       | 10       | —            | 1                 | 6   | 21       | 17       |
| Georgia              | —            | 0                 | 1     | —        | 1        | 2            | 1                 | 6   | 38       | 15       |
| Maryland†            | —            | 15                | 87    | 130      | 227      | —            | 1                 | 9   | 26       | 31       |
| North Carolina       | —            | 0                 | 5     | 9        | 18       | —            | 0                 | 8   | 11       | 13       |
| South Carolina†      | —            | 0                 | 3     | 3        | 8        | —            | 0                 | 2   | 4        | 3        |
| Virginia†            | —            | 3                 | 22    | 15       | 37       | —            | 1                 | 9   | 17       | 11       |
| West Virginia        | —            | 0                 | 44    | —        | 1        | —            | 0                 | 2   | 1        | 1        |
| <b>E.S. Central</b>  | —            | 0                 | 4     | 1        | 9        | —            | 0                 | 3   | 10       | 9        |
| Alabama†             | —            | 0                 | 1     | —        | —        | —            | 0                 | 2   | 5        | 3        |
| Kentucky             | —            | 0                 | 2     | —        | 1        | —            | 0                 | 2   | 1        | 2        |
| Mississippi          | —            | 0                 | 0     | —        | —        | —            | 0                 | 1   | 2        | —        |
| Tennessee†           | —            | 0                 | 4     | 1        | 8        | —            | 0                 | 2   | 2        | 4        |
| <b>W.S. Central</b>  | —            | 0                 | 5     | 2        | 34       | —            | 2                 | 31  | 22       | 38       |
| Arkansas             | —            | 0                 | 1     | —        | 2        | —            | 0                 | 2   | 1        | 3        |
| Louisiana            | —            | 0                 | 0     | —        | 3        | —            | 0                 | 1   | —        | 2        |
| Oklahoma             | —            | 0                 | 0     | —        | —        | —            | 0                 | 6   | 2        | 2        |
| Texas†               | —            | 0                 | 5     | 2        | 29       | —            | 1                 | 29  | 19       | 31       |
| <b>Mountain</b>      | —            | 0                 | 4     | 4        | 3        | 1            | 1                 | 9   | 17       | 23       |
| Arizona              | —            | 0                 | 4     | 2        | —        | —            | 0                 | 9   | 4        | 5        |
| Colorado             | —            | 0                 | 0     | —        | —        | 1            | 0                 | 2   | 5        | 12       |
| Idaho†               | —            | 0                 | 1     | —        | 1        | —            | 0                 | 0   | —        | —        |
| Montana              | —            | 0                 | 0     | —        | —        | —            | 0                 | 1   | 1        | —        |
| Nevada†              | —            | 0                 | 2     | —        | —        | —            | 0                 | 2   | —        | —        |
| New Mexico†          | —            | 0                 | 1     | —        | —        | —            | 0                 | 1   | —        | 1        |
| Utah                 | —            | 0                 | 1     | 2        | 1        | —            | 0                 | 2   | 7        | 4        |
| Wyoming              | —            | 0                 | 1     | —        | 1        | —            | 0                 | 1   | —        | 1        |
| <b>Pacific</b>       | 8            | 3                 | 18    | 91       | 31       | 4            | 4                 | 12  | 82       | 88       |
| Alaska               | —            | 0                 | 1     | —        | 1        | —            | 0                 | 2   | 8        | 2        |
| California           | 8            | 2                 | 18    | 91       | 24       | 2            | 3                 | 10  | 57       | 72       |
| Hawaii               | N            | 0                 | 0     | N        | N        | —            | 0                 | 4   | —        | 4        |
| Oregon†              | —            | 0                 | 3     | —        | 6        | 1            | 0                 | 2   | 6        | 3        |
| Washington           | —            | 0                 | 3     | —        | —        | 1            | 0                 | 5   | 11       | 7        |
| American Samoa       | U            | 0                 | 0     | U        | U        | U            | 0                 | 0   | U        | U        |
| C.N.M.I.             | U            | 0                 | 0     | U        | U        | U            | 0                 | 0   | U        | U        |
| Guam                 | —            | 0                 | 0     | —        | —        | —            | 0                 | 0   | —        | —        |
| Puerto Rico          | N            | 0                 | 0     | N        | N        | —            | 0                 | 1   | —        | 1        |
| U.S. Virgin Islands  | —            | 0                 | 0     | —        | —        | —            | 0                 | 0   | —        | —        |

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

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

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

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



**TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 3, 2006, and June 4, 2005 (22nd Week)\***

| Reporting area       | Meningococcal disease, invasive |                   |     |          |          |                   |                   |     |          |          | Pertussis    |                   |       |          |          |
|----------------------|---------------------------------|-------------------|-----|----------|----------|-------------------|-------------------|-----|----------|----------|--------------|-------------------|-------|----------|----------|
|                      | All serogroups                  |                   |     |          |          | Serogroup unknown |                   |     |          |          |              |                   |       |          |          |
|                      | Current week                    | Previous 52 weeks |     | Cum 2006 | Cum 2005 | Current week      | Previous 52 weeks |     | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks |       | Cum 2006 | Cum 2005 |
|                      |                                 | Med               | Max |          |          |                   | Med               | Max |          |          |              | Med               | Max   |          |          |
| <b>United States</b> | 7                               | 20                | 83  | 567      | 652      | 6                 | 12                | 57  | 378      | 400      | 72           | 431               | 2,866 | 4,349    | 8,374    |
| <b>New England</b>   | 1                               | 1                 | 5   | 21       | 40       | 1                 | 0                 | 2   | 17       | 14       | 2            | 30                | 83    | 501      | 490      |
| Connecticut          | —                               | 0                 | 2   | 6        | 9        | —                 | 0                 | 2   | 2        | 1        | —            | 1                 | 5     | 16       | 32       |
| Maine                | —                               | 0                 | 1   | 3        | 2        | —                 | 0                 | 1   | 3        | 2        | —            | 1                 | 5     | 21       | 15       |
| Massachusetts        | 1                               | 0                 | 3   | 10       | 19       | 1                 | 0                 | 2   | 10       | 4        | —            | 23                | 43    | 355      | 371      |
| New Hampshire        | —                               | 0                 | 2   | 2        | 6        | —                 | 0                 | 2   | 2        | 6        | 1            | 2                 | 36    | 64       | 18       |
| Rhode Island         | —                               | 0                 | 1   | —        | 2        | —                 | 0                 | 0   | —        | —        | —            | 0                 | 17    | —        | 8        |
| Vermont†             | —                               | 0                 | 1   | —        | 2        | —                 | 0                 | 1   | —        | 1        | 1            | 1                 | 8     | 45       | 46       |
| <b>Mid. Atlantic</b> | —                               | 3                 | 13  | 75       | 84       | —                 | 2                 | 11  | 56       | 64       | 18           | 27                | 137   | 690      | 623      |
| New Jersey           | —                               | 0                 | 2   | 5        | 21       | —                 | 0                 | 2   | 5        | 21       | —            | 4                 | 10    | 95       | 86       |
| New York (Upstate)   | —                               | 0                 | 7   | 17       | 24       | —                 | 0                 | 5   | 2        | 9        | 15           | 12                | 123   | 258      | 223      |
| New York City        | —                               | 0                 | 5   | 23       | 11       | —                 | 0                 | 5   | 23       | 11       | —            | 2                 | 6     | 25       | 41       |
| Pennsylvania         | —                               | 1                 | 5   | 30       | 28       | —                 | 1                 | 5   | 26       | 23       | 3            | 10                | 25    | 312      | 273      |
| <b>E.N. Central</b>  | 2                               | 2                 | 10  | 63       | 80       | 2                 | 1                 | 6   | 46       | 67       | 12           | 53                | 132   | 553      | 1,757    |
| Illinois             | —                               | 0                 | 4   | 15       | 21       | —                 | 0                 | 4   | 15       | 21       | —            | 11                | 35    | 13       | 390      |
| Indiana              | 1                               | 0                 | 5   | 10       | 8        | 1                 | 0                 | 2   | 4        | 3        | 6            | 4                 | 75    | 81       | 142      |
| Michigan             | —                               | 1                 | 3   | 13       | 15       | —                 | 0                 | 3   | 7        | 9        | 1            | 5                 | 23    | 144      | 108      |
| Ohio                 | 1                               | 1                 | 5   | 25       | 27       | 1                 | 0                 | 4   | 20       | 25       | 5            | 16                | 30    | 273      | 641      |
| Wisconsin            | —                               | 0                 | 1   | —        | 9        | —                 | 0                 | 1   | —        | 9        | —            | 11                | 41    | 42       | 476      |
| <b>W.N. Central</b>  | 1                               | 1                 | 4   | 33       | 38       | —                 | 1                 | 3   | 13       | 18       | 1            | 61                | 542   | 564      | 1,040    |
| Iowa                 | —                               | 0                 | 2   | 8        | 11       | —                 | 0                 | 2   | 3        | 3        | —            | 11                | 55    | 116      | 311      |
| Kansas               | —                               | 0                 | 1   | 1        | 6        | —                 | 0                 | 1   | 1        | 6        | —            | 11                | 28    | 155      | 121      |
| Minnesota            | 1                               | 0                 | 2   | 8        | 6        | —                 | 0                 | 1   | 3        | 1        | —            | 0                 | 485   | 75       | 163      |
| Missouri             | —                               | 0                 | 3   | 10       | 9        | —                 | 0                 | 1   | 2        | 5        | 1            | 11                | 42    | 159      | 179      |
| Nebraska†            | —                               | 0                 | 2   | 5        | 4        | —                 | 0                 | 1   | 3        | 3        | —            | 4                 | 15    | 50       | 110      |
| North Dakota         | —                               | 0                 | 1   | 1        | —        | —                 | 0                 | 1   | 1        | —        | —            | 0                 | 26    | 4        | 66       |
| South Dakota         | —                               | 0                 | 1   | —        | 2        | —                 | 0                 | 0   | —        | —        | —            | 1                 | 8     | 5        | 90       |
| <b>S. Atlantic</b>   | —                               | 4                 | 14  | 97       | 113      | —                 | 2                 | 7   | 42       | 46       | 8            | 23                | 92    | 397      | 524      |
| Delaware             | —                               | 0                 | 1   | 3        | 2        | —                 | 0                 | 1   | 3        | 2        | —            | 0                 | 1     | 2        | 13       |
| District of Columbia | —                               | 0                 | 1   | —        | 4        | —                 | 0                 | 1   | —        | 3        | —            | 0                 | 3     | 3        | 4        |
| Florida              | —                               | 1                 | 6   | 37       | 46       | —                 | 0                 | 5   | 13       | 14       | 3            | 4                 | 14    | 91       | 69       |
| Georgia              | —                               | 0                 | 3   | 11       | 11       | —                 | 0                 | 3   | 11       | 11       | —            | 0                 | 3     | 6        | 19       |
| Maryland†            | —                               | 0                 | 2   | 6        | 10       | —                 | 0                 | 2   | 3        | —        | —            | 3                 | 8     | 64       | 102      |
| North Carolina       | —                               | 0                 | 11  | 15       | 11       | —                 | 0                 | 3   | 3        | 2        | —            | 0                 | 21    | 77       | 27       |
| South Carolina†      | —                               | 0                 | 2   | 11       | 11       | —                 | 0                 | 1   | 4        | 8        | —            | 5                 | 22    | 57       | 186      |
| Virginia†            | —                               | 0                 | 4   | 11       | 14       | —                 | 0                 | 3   | 5        | 5        | —            | 2                 | 73    | 86       | 78       |
| West Virginia        | —                               | 0                 | 2   | 3        | 4        | —                 | 0                 | 1   | —        | 1        | 5            | 0                 | 5     | 11       | 26       |
| <b>E.S. Central</b>  | —                               | 1                 | 4   | 19       | 33       | —                 | 1                 | 4   | 15       | 24       | —            | 8                 | 22    | 93       | 222      |
| Alabama†             | —                               | 0                 | 1   | 4        | 3        | —                 | 0                 | 1   | 4        | 2        | —            | 1                 | 7     | 25       | 37       |
| Kentucky             | —                               | 0                 | 2   | 5        | 11       | —                 | 0                 | 2   | 5        | 11       | —            | 2                 | 10    | 6        | 61       |
| Mississippi          | —                               | 0                 | 1   | 1        | 4        | —                 | 0                 | 1   | 1        | 4        | —            | 1                 | 4     | 13       | 29       |
| Tennessee†           | —                               | 0                 | 2   | 9        | 15       | —                 | 0                 | 2   | 5        | 7        | —            | 2                 | 14    | 49       | 95       |
| <b>W. S. Central</b> | —                               | 2                 | 23  | 51       | 66       | —                 | 1                 | 6   | 21       | 15       | 5            | 42                | 360   | 237      | 786      |
| Arkansas             | —                               | 0                 | 3   | 5        | 8        | —                 | 0                 | 2   | 4        | 1        | 4            | 3                 | 21    | 35       | 117      |
| Louisiana            | —                               | 0                 | 4   | 23       | 23       | —                 | 0                 | 3   | 12       | 4        | —            | 0                 | 3     | 6        | 20       |
| Oklahoma             | —                               | 0                 | 4   | 8        | 10       | —                 | 0                 | 1   | —        | 1        | 1            | 0                 | 124   | 3        | —        |
| Texas†               | —                               | 1                 | 16  | 15       | 25       | —                 | 0                 | 4   | 5        | 9        | —            | 34                | 215   | 193      | 649      |
| <b>Mountain</b>      | —                               | 1                 | 4   | 38       | 55       | —                 | 0                 | 4   | 23       | 15       | 22           | 62                | 230   | 861      | 1,829    |
| Arizona              | —                               | 0                 | 4   | 18       | 23       | —                 | 0                 | 4   | 18       | 8        | 13           | 15                | 177   | 268      | 401      |
| Colorado             | —                               | 0                 | 2   | 11       | 12       | —                 | 0                 | 1   | 2        | —        | 8            | 23                | 40    | 456      | 643      |
| Idaho†               | —                               | 0                 | 2   | 1        | 3        | —                 | 0                 | 2   | 1        | 3        | 1            | 2                 | 13    | 24       | 91       |
| Montana              | —                               | 0                 | 1   | 2        | —        | —                 | 0                 | 0   | —        | —        | —            | 3                 | 29    | 43       | 374      |
| Nevada†              | —                               | 0                 | 2   | —        | 6        | —                 | 0                 | 1   | —        | 1        | —            | 0                 | 9     | 25       | 27       |
| New Mexico†          | —                               | 0                 | 1   | 1        | 3        | —                 | 0                 | 1   | —        | 2        | —            | 2                 | 6     | 14       | 104      |
| Utah                 | —                               | 0                 | 1   | 3        | 8        | —                 | 0                 | 1   | —        | 1        | —            | 7                 | 32    | —        | 174      |
| Wyoming              | —                               | 0                 | 2   | 2        | —        | —                 | 0                 | 2   | 2        | —        | —            | 1                 | 5     | 31       | 15       |
| <b>Pacific</b>       | 3                               | 4                 | 29  | 170      | 143      | 3                 | 4                 | 25  | 145      | 137      | 4            | 68                | 1,334 | 453      | 1,103    |
| Alaska               | —                               | 0                 | 1   | 1        | 1        | —                 | 0                 | 1   | 1        | 1        | —            | 2                 | 15    | 30       | 18       |
| California           | 3                               | 2                 | 14  | 104      | 91       | 3                 | 2                 | 14  | 104      | 91       | —            | 33                | 1,136 | 168      | 419      |
| Hawaii               | —                               | 0                 | 1   | 4        | 7        | —                 | 0                 | 1   | 4        | 2        | —            | 3                 | 10    | 35       | 70       |
| Oregon†              | —                               | 1                 | 7   | 39       | 25       | —                 | 1                 | 4   | 28       | 25       | 1            | 3                 | 26    | 60       | 382      |
| Washington           | —                               | 0                 | 25  | 22       | 19       | —                 | 0                 | 11  | 8        | 18       | 3            | 11                | 195   | 160      | 214      |
| American Samoa       | U                               | 0                 | 0   | —        | —        | U                 | 0                 | 0   | U        | U        | U            | 0                 | 0     | U        | U        |
| C.N.M.I.             | U                               | 0                 | 0   | —        | —        | U                 | 0                 | 0   | U        | U        | U            | 0                 | 0     | U        | U        |
| Guam                 | —                               | 0                 | 1   | —        | —        | —                 | 0                 | 1   | —        | —        | —            | 0                 | 2     | —        | —        |
| Puerto Rico          | —                               | 0                 | 1   | 4        | 6        | —                 | 0                 | 1   | 4        | 6        | —            | 0                 | 1     | —        | 4        |
| U.S. Virgin Islands  | —                               | 0                 | 0   | —        | —        | —                 | 0                 | 0   | —        | —        | —            | 0                 | 0     | —        | —        |

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

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

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

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 3, 2006, and June 4, 2005 (22nd Week)\*

| Reporting area       | Rabies, animal |                   |     |          |          | Rocky Mountain spotted fever |                   |     |          |          | Salmonellosis |                   |       |          |          |
|----------------------|----------------|-------------------|-----|----------|----------|------------------------------|-------------------|-----|----------|----------|---------------|-------------------|-------|----------|----------|
|                      | Current week   | Previous 52 weeks |     | Cum 2006 | Cum 2005 | Current week                 | Previous 52 weeks |     | Cum 2006 | Cum 2005 | Current week  | Previous 52 weeks |       | Cum 2006 | Cum 2005 |
|                      |                | Med               | Max |          |          |                              | Med               | Max |          |          |               | Med               | Max   |          |          |
| <b>United States</b> | 59             | 108               | 147 | 2,152    | 2,591    | 7                            | 37                | 246 | 437      | 282      | 355           | 840               | 2,287 | 11,021   | 12,297   |
| <b>New England</b>   | 12             | 12                | 26  | 236      | 315      | —                            | 0                 | 2   | 1        | 1        | 10            | 34                | 140   | 571      | 703      |
| Connecticut          | 3              | 3                 | 13  | 54       | 67       | —                            | 0                 | 0   | —        | —        | —             | 6                 | 132   | 132      | 144      |
| Maine                | —              | 1                 | 5   | 29       | 28       | N                            | 0                 | 0   | N        | N        | —             | 2                 | 8     | 22       | 64       |
| Massachusetts        | 6              | 4                 | 17  | 120      | 182      | —                            | 0                 | 2   | 1        | —        | 2             | 19                | 41    | 334      | 382      |
| New Hampshire        | —              | 0                 | 3   | 5        | 4        | —                            | 0                 | 1   | —        | —        | 5             | 2                 | 12    | 39       | 60       |
| Rhode Island         | —              | 0                 | 4   | 1        | 10       | —                            | 0                 | 2   | —        | 1        | 2             | 0                 | 17    | 32       | 19       |
| Vermont†             | 3              | 1                 | 7   | 27       | 24       | —                            | 0                 | 0   | —        | —        | 1             | 1                 | 10    | 12       | 34       |
| <b>Mid. Atlantic</b> | 17             | 19                | 46  | 464      | 348      | 1                            | 1                 | 7   | 12       | 21       | 25            | 80                | 272   | 1,164    | 1,507    |
| New Jersey           | N              | 0                 | 0   | N        | N        | —                            | 0                 | 3   | —        | 7        | —             | 12                | 41    | 118      | 294      |
| New York (Upstate)   | 11             | 12                | 24  | 191      | 174      | 1                            | 0                 | 1   | 1        | —        | 17            | 22                | 233   | 313      | 347      |
| New York City        | —              | 0                 | 3   | —        | 11       | —                            | 0                 | 2   | 3        | 1        | —             | 21                | 44    | 307      | 392      |
| Pennsylvania         | 6              | 8                 | 35  | 273      | 163      | —                            | 1                 | 5   | 8        | 13       | 8             | 29                | 61    | 426      | 474      |
| <b>E.N. Central</b>  | 1              | 2                 | 9   | 24       | 94       | —                            | 0                 | 7   | 7        | 8        | 40            | 94                | 219   | 1,513    | 1,844    |
| Illinois             | —              | 0                 | 4   | —        | 13       | —                            | 0                 | 4   | 1        | 5        | —             | 27                | 81    | 330      | 750      |
| Indiana              | —              | 0                 | 3   | 3        | 3        | —                            | 0                 | 1   | 1        | —        | 5             | 11                | 69    | 200      | 167      |
| Michigan             | —              | 0                 | 4   | 15       | 8        | —                            | 0                 | 1   | —        | 1        | 7             | 16                | 35    | 266      | 309      |
| Ohio                 | 1              | 0                 | 2   | 6        | 70       | —                            | 0                 | 3   | 5        | 2        | 27            | 25                | 52    | 453      | 330      |
| Wisconsin            | N              | 0                 | 2   | N        | N        | —                            | 0                 | 1   | —        | —        | 1             | 15                | 44    | 264      | 288      |
| <b>W.N. Central</b>  | 8              | 5                 | 15  | 98       | 143      | 2                            | 2                 | 14  | 43       | 25       | 27            | 46                | 90    | 765      | 793      |
| Iowa                 | —              | 0                 | 4   | 18       | —        | —                            | 0                 | 2   | —        | 1        | —             | 7                 | 18    | 115      | 145      |
| Kansas               | —              | 1                 | 5   | 28       | 42       | —                            | 0                 | 1   | 1        | 1        | —             | 7                 | 17    | 106      | 106      |
| Minnesota            | 1              | 1                 | 5   | 12       | 29       | —                            | 0                 | 1   | 1        | —        | 12            | 10                | 30    | 195      | 184      |
| Missouri             | —              | 1                 | 6   | 9        | 21       | 2                            | 1                 | 13  | 39       | 22       | 13            | 15                | 40    | 244      | 216      |
| Nebraska†            | —              | 0                 | 0   | —        | —        | —                            | 0                 | 2   | 2        | —        | 2             | 4                 | 12    | 70       | 74       |
| North Dakota         | 7              | 0                 | 5   | 13       | 11       | —                            | 0                 | 1   | —        | —        | —             | 0                 | 46    | 4        | 12       |
| South Dakota         | —              | 1                 | 4   | 18       | 40       | —                            | 0                 | 2   | —        | 1        | —             | 2                 | 9     | 31       | 56       |
| <b>S. Atlantic</b>   | 13             | 36                | 65  | 753      | 982      | —                            | 17                | 94  | 319      | 159      | 92            | 252               | 514   | 2,919    | 3,206    |
| Delaware             | —              | 0                 | 0   | —        | —        | —                            | 0                 | 2   | 2        | 1        | —             | 2                 | 9     | 27       | 28       |
| District of Columbia | —              | 0                 | 0   | —        | —        | —                            | 0                 | 1   | —        | —        | —             | 1                 | 7     | 23       | 17       |
| Florida              | —              | 0                 | 22  | 65       | 201      | —                            | 0                 | 3   | 10       | 8        | 65            | 99                | 230   | 1,293    | 1,163    |
| Georgia              | —              | 3                 | 42  | 85       | 129      | —                            | 1                 | 11  | 18       | 26       | 17            | 38                | 87    | 443      | 430      |
| Maryland†            | —              | 8                 | 16  | 118      | 141      | —                            | 1                 | 6   | 17       | 13       | —             | 12                | 39    | 160      | 236      |
| North Carolina       | 13             | 8                 | 20  | 157      | 210      | —                            | 6                 | 87  | 254      | 87       | 9             | 30                | 114   | 462      | 453      |
| South Carolina†      | —              | 4                 | 11  | 53       | 81       | —                            | 1                 | 6   | 4        | 16       | 1             | 21                | 73    | 234      | 524      |
| Virginia†            | —              | 10                | 26  | 232      | 203      | —                            | 2                 | 10  | 13       | 6        | —             | 19                | 66    | 244      | 309      |
| West Virginia        | —              | 1                 | 13  | 43       | 17       | —                            | 0                 | 2   | 1        | 2        | —             | 3                 | 19    | 33       | 46       |
| <b>E.S. Central</b>  | 1              | 4                 | 16  | 113      | 58       | 3                            | 5                 | 24  | 41       | 37       | 34            | 51                | 115   | 665      | 701      |
| Alabama†             | —              | 1                 | 7   | 33       | 33       | 2                            | 0                 | 9   | 13       | 9        | 18            | 13                | 41    | 264      | 173      |
| Kentucky             | 1              | 0                 | 5   | 7        | 6        | —                            | 0                 | 1   | —        | —        | 4             | 8                 | 27    | 115      | 112      |
| Mississippi          | —              | 0                 | 1   | —        | —        | —                            | 0                 | 3   | —        | 2        | —             | 12                | 62    | 94       | 150      |
| Tennessee†           | —              | 1                 | 9   | 73       | 19       | 1                            | 3                 | 18  | 28       | 26       | 12            | 14                | 41    | 192      | 266      |
| <b>W.S. Central</b>  | 4              | 14                | 34  | 340      | 474      | —                            | 1                 | 161 | 9        | 12       | 6             | 85                | 922   | 937      | 1,034    |
| Arkansas             | —              | 0                 | 3   | 15       | 14       | —                            | 0                 | 32  | 6        | 2        | 6             | 14                | 67    | 286      | 179      |
| Louisiana            | —              | 0                 | 0   | —        | —        | —                            | 0                 | 2   | —        | 5        | —             | 9                 | 43    | 122      | 236      |
| Oklahoma             | —              | 1                 | 9   | 24       | 48       | —                            | 0                 | 154 | 1        | 5        | —             | 7                 | 48    | 87       | 112      |
| Texas†               | 4              | 12                | 28  | 301      | 412      | —                            | 0                 | 8   | 2        | —        | —             | 44                | 839   | 442      | 507      |
| <b>Mountain</b>      | 3              | 4                 | 16  | 54       | 107      | —                            | 0                 | 6   | 3        | 18       | 40            | 49                | 110   | 753      | 763      |
| Arizona              | 3              | 2                 | 11  | 47       | 87       | —                            | 0                 | 6   | 2        | 12       | 2             | 14                | 67    | 217      | 216      |
| Colorado             | —              | 0                 | 2   | —        | 8        | —                            | 0                 | 1   | —        | 1        | 25            | 12                | 45    | 233      | 174      |
| Idaho†               | —              | 0                 | 12  | —        | —        | —                            | 0                 | 2   | —        | 1        | —             | 2                 | 15    | 42       | 64       |
| Montana              | —              | 0                 | 3   | 5        | —        | —                            | 0                 | 0   | —        | 1        | —             | 2                 | 16    | 41       | 35       |
| Nevada†              | —              | 0                 | 2   | —        | —        | —                            | 0                 | 0   | —        | —        | —             | 3                 | 8     | 34       | 69       |
| New Mexico†          | —              | 0                 | 1   | —        | 1        | —                            | 0                 | 1   | —        | 2        | —             | 4                 | 13    | 45       | 81       |
| Utah                 | —              | 0                 | 5   | 1        | —        | —                            | 0                 | 0   | —        | —        | 12            | 5                 | 30    | 115      | 107      |
| Wyoming              | —              | 0                 | 2   | 1        | 11       | —                            | 0                 | 1   | 1        | 1        | 1             | 1                 | 12    | 26       | 17       |
| <b>Pacific</b>       | —              | 3                 | 15  | 70       | 70       | 1                            | 0                 | 1   | 2        | 1        | 81            | 103               | 426   | 1,734    | 1,746    |
| Alaska               | —              | 0                 | 4   | 12       | 1        | —                            | 0                 | 0   | —        | —        | —             | 1                 | 7     | 34       | 17       |
| California           | —              | 3                 | 15  | 56       | 68       | 1                            | 0                 | 1   | 2        | —        | 72            | 81                | 292   | 1,312    | 1,338    |
| Hawaii               | —              | 0                 | 0   | —        | —        | —                            | 0                 | 0   | —        | —        | —             | 5                 | 15    | 87       | 107      |
| Oregon†              | —              | 0                 | 1   | 2        | 1        | —                            | 0                 | 1   | —        | 1        | —             | 7                 | 25    | 147      | 153      |
| Washington           | U              | 0                 | 0   | U        | U        | N                            | 0                 | 0   | N        | N        | 9             | 10                | 124   | 154      | 131      |
| American Samoa       | U              | 0                 | 0   | U        | U        | U                            | 0                 | 0   | U        | U        | U             | 0                 | 2     | U        | 1        |
| C.N.M.I.             | U              | 0                 | 0   | U        | U        | U                            | 0                 | 0   | U        | U        | U             | 0                 | 0     | U        | U        |
| Guam                 | —              | 0                 | 0   | —        | —        | —                            | 0                 | 0   | —        | —        | —             | 0                 | 4     | —        | 15       |
| Puerto Rico          | —              | 1                 | 6   | 46       | 35       | N                            | 0                 | 0   | N        | N        | —             | 11                | 35    | 41       | 187      |
| U.S. Virgin Islands  | —              | 0                 | 0   | —        | —        | —                            | 0                 | 0   | —        | —        | —             | 0                 | 0     | —        | —        |

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

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

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

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 3, 2006, and June 4, 2005 (22nd Week)\*

| Reporting area              | Shiga toxin-producing <i>E. coli</i> (STEC) <sup>†</sup> |                   |     |          |          | Shigellosis  |                   |       |          |          | Streptococcal disease, invasive, group A |                   |     |          |          |
|-----------------------------|--|-------------------|-----|----------|----------|--------------|-------------------|-------|----------|----------|--|-------------------|-----|----------|----------|
|                             | Current week   | Previous 52 weeks |     | Cum 2006 | Cum 2005 | Current week | Previous 52 weeks |       | Cum 2006 | Cum 2005 | Current week                             | Previous 52 weeks |     | Cum 2006 | Cum 2005 |
|                             |  | Med               | Max |          |          |              | Med               | Max   |          |          |  | Med               | Max |          |          |
| <b>United States</b>        | 12   | 54                | 296 | 427      | 656      | 140          | 300               | 1,009 | 3,485    | 4,845    | 38                                       | 81                | 282 | 2,376    | 2,369    |
| <b>New England</b>          | —  | 3                 | 15  | 37       | 57       | 1            | 5                 | 26    | 101      | 85       | 1  | 5                 | 11  | 91       | 141      |
| Connecticut                 | —  | 0                 | 14  | 14       | 17       | —            | 0                 | 20    | 20       | 19       | U  | 1                 | 4   | U        | 57       |
| Maine                       | —  | 0                 | 5   | —        | 11       | —            | 0                 | 3     | —        | 5        | —  | 0                 | 2   | 10       | 4        |
| Massachusetts               | —  | 1                 | 7   | 18       | 21       | 1            | 4                 | 11    | 71       | 50       | —  | 2                 | 6   | 55       | 60       |
| New Hampshire               | —  | 0                 | 2   | 5        | 4        | —            | 0                 | 4     | 4        | 4        | —  | 0                 | 3   | 16       | 7        |
| Rhode Island                | —  | 0                 | 2   | —        | 1        | —            | 0                 | 6     | 4        | 2        | —  | 0                 | 3   | 3        | 6        |
| Vermont <sup>§</sup>        | —  | 0                 | 2   | 2        | 3        | —            | 0                 | 4     | 2        | 5        | 1  | 0                 | 2   | 7        | 7        |
| <b>Mid. Atlantic</b>        | —  | 5                 | 107 | 14       | 66       | 1            | 17                | 72    | 245      | 465      | 6  | 13                | 43  | 398      | 513      |
| New Jersey                  | —  | 1                 | 7   | —        | 18       | —            | 4                 | 18    | 58       | 123      | —  | 1                 | 8   | 13       | 104      |
| New York (Upstate)          | —  | 2                 | 103 | 24       | 23       | 1            | 4                 | 60    | 90       | 110      | 5  | 4                 | 32  | 161      | 160      |
| New York City               | —  | 0                 | 3   | 7        | —        | —            | 5                 | 14    | 61       | 199      | —  | 3                 | 8   | 54       | 98       |
| Pennsylvania                | —  | 2                 | 8   | —        | 25       | —            | 2                 | 48    | 36       | 33       | 1  | 5                 | 13  | 170      | 151      |
| <b>E.N. Central</b>         | 3  | 10                | 38  | 95       | 127      | 12           | 19                | 96    | 339      | 366      | 6  | 16                | 41  | 472      | 542      |
| Illinois                    | —  | 1                 | 10  | —        | 36       | —            | 7                 | 26    | 89       | 94       | —  | 4                 | 10  | 89       | 183      |
| Indiana                     | —  | 1                 | 7   | 13       | 16       | 1            | 1                 | 56    | 54       | 39       | 2  | 1                 | 11  | 65       | 53       |
| Michigan                    | —  | 1                 | 8   | 19       | 17       | —            | 3                 | 10    | 74       | 121      | 1  | 3                 | 11  | 126      | 130      |
| Ohio                        | 3  | 2                 | 14  | 37       | 36       | 11           | 3                 | 11    | 70       | 25       | 3  | 4                 | 19  | 159      | 114      |
| Wisconsin                   | —  | 3                 | 15  | 26       | 22       | —            | 3                 | 10    | 52       | 87       | —  | 1                 | 4   | 33       | 62       |
| <b>W.N. Central</b>         | 1  | 7                 | 35  | 67       | 91       | 34           | 46                | 78    | 515      | 346      | 1  | 5                 | 57  | 177      | 150      |
| Iowa                        | —  | 1                 | 10  | 16       | 20       | —            | 1                 | 7     | 15       | 44       | N  | 0                 | 0   | N        | N        |
| Kansas                      | —  | 0                 | 4   | —        | 14       | —            | 4                 | 20    | 33       | 19       | —  | 0                 | 5   | 35       | 26       |
| Minnesota                   | 1  | 3                 | 19  | 47       | 14       | 1            | 2                 | 6     | 31       | 28       | —  | 0                 | 52  | 78       | 53       |
| Missouri                    | 5  | 2                 | 7   | 38       | 25       | 31           | 23                | 70    | 367      | 213      | 1  | 1                 | 5   | 36       | 41       |
| Nebraska <sup>§</sup>       | 2  | 1                 | 5   | 11       | 15       | 2            | 3                 | 11    | 38       | 25       | —  | 0                 | 4   | 17       | 12       |
| North Dakota                | —  | 0                 | 15  | —        | 1        | —            | 0                 | 2     | 4        | 2        | —  | 0                 | 5   | 5        | 4        |
| South Dakota                | —  | 0                 | 5   | 3        | 2        | —            | 2                 | 17    | 27       | 15       | —  | 0                 | 3   | 6        | 14       |
| <b>S. Atlantic</b>          | 1  | 7                 | 39  | 79       | 112      | 56           | 51                | 122   | 979      | 695      | 6  | 19                | 40  | 554      | 445      |
| Delaware                    | —  | 0                 | 2   | 1        | —        | —            | 0                 | 2     | —        | 5        | —  | 0                 | 2   | 4        | —        |
| District of Columbia        | —  | 0                 | 1   | —        | —        | —            | 0                 | 2     | 3        | 7        | —  | 0                 | 2   | 7        | 5        |
| Florida                     | 1  | 1                 | 29  | 35       | 52       | 40           | 25                | 66    | 443      | 321      | 2  | 6                 | 12  | 128      | 111      |
| Georgia                     | —  | 0                 | 6   | —        | 12       | 16           | 13                | 34    | 336      | 194      | 4  | 4                 | 13  | 126      | 91       |
| Maryland <sup>§</sup>       | —  | 1                 | 5   | 6        | 14       | —            | 2                 | 8     | 36       | 25       | —  | 3                 | 12  | 105      | 88       |
| North Carolina              | 1  | 1                 | 11  | 29       | 16       | —            | 2                 | 22    | 82       | 63       | —  | 1                 | 21  | 67       | 71       |
| South Carolina <sup>§</sup> | —  | 0                 | 2   | 3        | 1        | —            | 2                 | 9     | 58       | 42       | —  | 1                 | 6   | 36       | 24       |
| Virginia <sup>§</sup>       | —  | 1                 | 8   | —        | 17       | —            | 2                 | 9     | 21       | 38       | —  | 2                 | 11  | 66       | 43       |
| West Virginia               | —  | 0                 | 2   | —        | —        | —            | 0                 | 1     | —        | —        | —  | 0                 | 6   | 15       | 12       |
| <b>E.S. Central</b>         | 2  | 2                 | 11  | 25       | 33       | 9            | 15                | 46    | 263      | 615      | 3  | 3                 | 10  | 106      | 99       |
| Alabama <sup>§</sup>        | —  | 0                 | 3   | 2        | 10       | 4            | 3                 | 13    | 70       | 134      | N  | 0                 | 0   | N        | N        |
| Kentucky                    | —  | 1                 | 8   | 13       | 8        | —            | 7                 | 23    | 127      | 66       | —  | 0                 | 5   | 23       | 23       |
| Mississippi                 | —  | 0                 | 2   | —        | 1        | —            | 1                 | 6     | 26       | 38       | —  | 0                 | 0   | —        | —        |
| Tennessee <sup>§</sup>      | —  | 1                 | 4   | 27       | 14       | 5            | 3                 | 22    | 40       | 377      | 3  | 3                 | 9   | 83       | 76       |
| <b>W.S. Central</b>         | —  | 1                 | 52  | 6        | 23       | 3            | 64                | 596   | 241      | 1,340    | 3  | 7                 | 58  | 192      | 132      |
| Arkansas                    | —  | 0                 | 2   | 2        | 3        | 3            | 1                 | 8     | 35       | 23       | 1  | 0                 | 5   | 18       | 7        |
| Louisiana                   | —  | 0                 | 2   | —        | 8        | —            | 2                 | 11    | 43       | 57       | —  | 0                 | 2   | 7        | 6        |
| Oklahoma                    | —  | 0                 | 8   | 4        | 3        | —            | 6                 | 286   | 33       | 316      | 2  | 2                 | 14  | 58       | 62       |
| Texas <sup>§</sup>          | —  | 1                 | 44  | 22       | 9        | —            | 48                | 308   | 130      | 944      | —  | 4                 | 43  | 109      | 57       |
| <b>Mountain</b>             | —  | 5                 | 15  | 37       | 72       | 9            | 18                | 47    | 257      | 239      | 10                                       | 10                | 78  | 346      | 300      |
| Arizona                     | —  | 0                 | 4   | 16       | 9        | 2            | 10                | 29    | 143      | 112      | 5  | 4                 | 57  | 195      | 128      |
| Colorado                    | —  | 1                 | 6   | 15       | 19       | 2            | 3                 | 18    | 41       | 38       | 4  | 3                 | 8   | 75       | 101      |
| Idaho <sup>§</sup>          | —  | 1                 | 7   | 10       | 10       | —            | 0                 | 4     | 5        | 3        | —  | 0                 | 2   | 6        | 1        |
| Montana                     | —  | 0                 | 2   | —        | 3        | —            | 0                 | 1     | 2        | 2        | —  | 0                 | 0   | —        | —        |
| Nevada <sup>§</sup>         | —  | 0                 | 3   | 5        | 10       | —            | 1                 | 6     | 17       | 26       | —  | 0                 | 6   | —        | —        |
| New Mexico <sup>§</sup>     | —  | 0                 | 3   | 3        | 7        | —            | 2                 | 9     | 24       | 40       | —  | 1                 | 7   | 27       | 36       |
| Utah                        | —  | 1                 | 7   | 9        | 13       | 4            | 1                 | 4     | 23       | 18       | 1  | 1                 | 6   | 41       | 32       |
| Wyoming                     | —  | 0                 | 3   | 1        | 1        | 1            | 0                 | 1     | 2        | —        | —  | 0                 | 1   | 2        | 2        |
| <b>Pacific</b>              | 5  | 7                 | 55  | 67       | 75       | 15           | 38                | 148   | 545      | 694      | 2  | 2                 | 9   | 40       | 47       |
| Alaska                      | —  | 0                 | 2   | —        | 4        | —            | 0                 | 2     | 6        | 9        | —  | 0                 | 0   | —        | —        |
| California                  | 2  | 4                 | 18  | 47       | 32       | 14           | 32                | 104   | 405      | 611      | —  | 0                 | 0   | —        | —        |
| Hawaii                      | —  | 0                 | 4   | 4        | 3        | —            | 0                 | 4     | 15       | 12       | 2  | 2                 | 9   | 40       | 47       |
| Oregon <sup>§</sup>         | —  | 1                 | 47  | 22       | 27       | 1            | 1                 | 31    | 62       | 36       | N  | 0                 | 0   | N        | N        |
| Washington                  | 3  | 2                 | 32  | 16       | 9        | —            | 3                 | 43    | 57       | 26       | N  | 0                 | 0   | N        | N        |
| American Samoa              | U  | 0                 | 0   | U        | U        | U            | 0                 | 2     | U        | 3        | U  | 0                 | 0   | U        | U        |
| C.N.M.I.                    | U  | 0                 | 0   | U        | U        | U            | 0                 | 0     | U        | U        | U  | 0                 | 0   | U        | U        |
| Guam                        | —  | 0                 | 0   | —        | —        | —            | 0                 | 3     | —        | 9        | —  | 0                 | 0   | —        | —        |
| Puerto Rico                 | —  | 0                 | 1   | —        | —        | —            | 0                 | 2     | 2        | —        | N  | 0                 | 0   | N        | N        |
| U.S. Virgin Islands         | —  | 0                 | 0   | —        | —        | —            | 0                 | 0     | —        | —        | —  | 0                 | 0   | —        | —        |

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

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

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

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

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

**TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 3, 2006, and June 4, 2005 (22nd Week)\***

| Reporting area       | <i>Streptococcus pneumoniae</i> , invasive disease<br>Drug resistant, all ages |                   |     |          |          | Syphilis, primary and secondary |                   |     |          |          | Varicella (chickenpox) |                   |       |          |          |
|----------------------|--|-------------------|-----|----------|----------|---------------------------------|-------------------|-----|----------|----------|------------------------|-------------------|-------|----------|----------|
|                      | Current week   | Previous 52 weeks |     | Cum 2006 | Cum 2005 | Current week                    | Previous 52 weeks |     | Cum 2006 | Cum 2005 | Current week           | Previous 52 weeks |       | Cum 2006 | Cum 2005 |
|                      |  | Med               | Max |          |          |                                 | Med               | Max |          |          |                        | Med               | Max   |          |          |
| <b>United States</b> | 36   | 51                | 334 | 1,352    | 1,445    | 60                              | 169               | 334 | 3,212    | 3,433    | 653                    | 783               | 3,202 | 22,777   | 13,550   |
| <b>New England</b>   | 1  | 1                 | 24  | 12       | 128      | 4                               | 3                 | 17  | 80       | 87       | 8                      | 45                | 165   | 662      | 2,361    |
| Connecticut          | U  | 0                 | 7   | U        | 54       | —                               | 0                 | 11  | 17       | 19       | U                      | 12                | 67    | U        | 798      |
| Maine                | N  | 0                 | 0   | N        | N        | 1                               | 0                 | 2   | 5        | 1        | —                      | 4                 | 20    | 85       | 184      |
| Massachusetts        | —  | 0                 | 6   | —        | 60       | 3                               | 2                 | 5   | 48       | 58       | —                      | 17                | 86    | 92       | 1,270    |
| New Hampshire        | —  | 0                 | 0   | —        | —        | —                               | 0                 | 2   | 5        | 4        | 4                      | 7                 | 42    | 158      | 81       |
| Rhode Island         | 1  | 0                 | 11  | 3        | 7        | —                               | 0                 | 6   | 3        | 5        | —                      | 0                 | 0     | —        | —        |
| Vermont†             | —  | 0                 | 2   | 9        | 7        | —                               | 0                 | 1   | 2        | —        | 4                      | 8                 | 32    | 327      | 28       |
| <b>Mid. Atlantic</b> | 4  | 3                 | 15  | 80       | 138      | 11                              | 21                | 35  | 469      | 432      | 80                     | 102               | 183   | 2,616    | 2,635    |
| New Jersey           | N  | 0                 | 0   | N        | N        | 3                               | 2                 | 7   | 76       | 62       | —                      | 0                 | 0     | —        | —        |
| New York (Upstate)   | 4  | 1                 | 10  | 27       | 56       | 4                               | 2                 | 14  | 66       | 30       | —                      | 0                 | 0     | —        | —        |
| New York City        | U  | 0                 | 0   | U        | U        | —                               | 11                | 21  | 231      | 272      | —                      | 0                 | 0     | —        | —        |
| Pennsylvania         | —  | 2                 | 9   | 53       | 82       | 4                               | 5                 | 9   | 96       | 68       | 80                     | 102               | 183   | 2,616    | 2,635    |
| <b>E.N. Central</b>  | 12   | 11                | 41  | 333      | 353      | 7                               | 17                | 38  | 331      | 359      | 279                    | 209               | 565   | 8,786    | 3,358    |
| Illinois             | —  | 1                 | 3   | 11       | 12       | 4                               | 8                 | 23  | 137      | 197      | —                      | 1                 | 5     | 5        | 48       |
| Indiana              | 1  | 2                 | 21  | 82       | 111      | 1                               | 1                 | 4   | 29       | 31       | N                      | 0                 | 347   | N        | 70       |
| Michigan             | —  | 0                 | 4   | 12       | 25       | 2                               | 2                 | 19  | 52       | 32       | 47                     | 102               | 231   | 2,542    | 2,101    |
| Ohio                 | 11   | 6                 | 32  | 228      | 205      | —                               | 4                 | 11  | 95       | 88       | 232                    | 55                | 421   | 5,819    | 868      |
| Wisconsin            | N  | 0                 | 0   | N        | N        | —                               | 1                 | 3   | 18       | 11       | —                      | 11                | 41    | 420      | 271      |
| <b>W.N. Central</b>  | —  | 1                 | 191 | 24       | 26       | 1                               | 4                 | 9   | 82       | 113      | 38                     | 18                | 84    | 878      | 176      |
| Iowa                 | N  | 0                 | 0   | N        | N        | —                               | 0                 | 3   | 7        | 4        | N                      | 0                 | 0     | N        | N        |
| Kansas               | N  | 0                 | 0   | N        | N        | —                               | 0                 | 2   | 10       | 10       | —                      | 0                 | 0     | —        | —        |
| Minnesota            | —  | 0                 | 191 | —        | —        | —                               | 1                 | 4   | 11       | 31       | —                      | 0                 | 0     | —        | —        |
| Missouri             | —  | 1                 | 3   | 24       | 22       | 1                               | 3                 | 8   | 53       | 65       | 38                     | 14                | 82    | 830      | 104      |
| Nebraska†            | —  | 0                 | 0   | —        | 2        | —                               | 0                 | 1   | 1        | 3        | —                      | 0                 | 1     | —        | —        |
| North Dakota         | —  | 0                 | 1   | —        | —        | —                               | 0                 | 1   | —        | —        | —                      | 0                 | 25    | 18       | 10       |
| South Dakota         | —  | 0                 | 1   | —        | 2        | —                               | 0                 | 1   | —        | —        | —                      | 1                 | 12    | 30       | 62       |
| <b>S. Atlantic</b>   | 18   | 24                | 53  | 706      | 570      | 9                               | 43                | 186 | 782      | 782      | 18                     | 71                | 858   | 2,286    | 1,126    |
| Delaware             | —  | 0                 | 2   | —        | 1        | —                               | 0                 | 2   | 12       | 6        | —                      | 1                 | 5     | 34       | 12       |
| District of Columbia | —  | 0                 | 3   | 19       | 11       | 1                               | 2                 | 9   | 48       | 51       | —                      | 0                 | 5     | 18       | 16       |
| Florida              | 11   | 13                | 36  | 379      | 287      | 6                               | 14                | 29  | 299      | 315      | —                      | 0                 | 0     | —        | —        |
| Georgia              | 7  | 7                 | 21  | 240      | 207      | —                               | 8                 | 147 | 90       | 113      | —                      | 0                 | 0     | —        | —        |
| Maryland†            | —  | 0                 | 0   | —        | —        | 1                               | 5                 | 19  | 125      | 119      | —                      | 0                 | 0     | —        | —        |
| North Carolina       | N  | 0                 | 0   | N        | N        | —                               | 5                 | 17  | 118      | 100      | —                      | 0                 | 0     | —        | —        |
| South Carolina†      | —  | 0                 | 0   | —        | —        | —                               | 1                 | 7   | 33       | 27       | 3                      | 16                | 50    | 595      | 287      |
| Virginia†            | N  | 0                 | 0   | N        | N        | 1                               | 3                 | 12  | 57       | 49       | —                      | 18                | 812   | 815      | 216      |
| West Virginia        | —  | 1                 | 14  | 68       | 64       | —                               | 0                 | 1   | —        | 2        | 15                     | 25                | 70    | 824      | 595      |
| <b>E.S. Central</b>  | —  | 3                 | 13  | 105      | 105      | 4                               | 10                | 19  | 223      | 182      | 1                      | 0                 | 70    | 26       | —        |
| Alabama†             | N  | 0                 | 1   | N        | N        | —                               | 3                 | 12  | 97       | 69       | 1                      | 0                 | 70    | 26       | —        |
| Kentucky             | —  | 0                 | 5   | 20       | 17       | —                               | 1                 | 8   | 31       | 15       | N                      | 0                 | 0     | N        | N        |
| Mississippi          | —  | 0                 | 0   | —        | 1        | —                               | 0                 | 5   | 11       | 23       | —                      | 0                 | 0     | —        | —        |
| Tennessee†           | —  | 3                 | 13  | 85       | 87       | 4                               | 4                 | 11  | 84       | 75       | N                      | 0                 | 0     | N        | N        |
| <b>W.S. Central</b>  | —  | 1                 | 8   | 46       | 90       | 17                              | 24                | 37  | 556      | 537      | 176                    | 195               | 1,757 | 5,965    | 2,268    |
| Arkansas             | —  | 0                 | 3   | 7        | 9        | —                               | 1                 | 6   | 33       | 25       | 4                      | 3                 | 110   | 358      | —        |
| Louisiana            | —  | 1                 | 5   | 39       | 81       | 4                               | 4                 | 17  | 62       | 112      | —                      | 0                 | 17    | 90       | 105      |
| Oklahoma             | N  | 0                 | 0   | N        | N        | —                               | 1                 | 6   | 32       | 17       | —                      | 0                 | 0     | —        | —        |
| Texas†               | N  | 0                 | 0   | N        | N        | 13                              | 17                | 29  | 429      | 383      | 172                    | 189               | 1,647 | 5,517    | 2,163    |
| <b>Mountain</b>      | 1  | 1                 | 27  | 46       | 35       | —                               | 7                 | 17  | 144      | 178      | 53                     | 47                | 136   | 1,558    | 1,626    |
| Arizona              | N  | 0                 | 0   | N        | N        | —                               | 3                 | 13  | 79       | 59       | —                      | 0                 | 0     | —        | —        |
| Colorado             | N  | 0                 | 0   | N        | N        | —                               | 1                 | 3   | 12       | 21       | 31                     | 31                | 76    | 808      | 1,125    |
| Idaho†               | N  | 0                 | 0   | N        | N        | —                               | 0                 | 3   | 2        | 14       | —                      | 0                 | 0     | —        | —        |
| Montana              | —  | 0                 | 1   | —        | —        | —                               | 0                 | 1   | —        | 5        | —                      | 0                 | 0     | —        | —        |
| Nevada†              | —  | 0                 | 27  | 3        | 2        | —                               | 1                 | 6   | 30       | 52       | —                      | 0                 | 2     | 4        | —        |
| New Mexico†          | —  | 0                 | 0   | —        | —        | —                               | 1                 | 5   | 19       | 21       | —                      | 3                 | 32    | 230      | 138      |
| Utah                 | —  | 0                 | 8   | 19       | 15       | —                               | 0                 | 1   | 2        | 6        | 22                     | 10                | 55    | 505      | 319      |
| Wyoming              | 1  | 0                 | 3   | 24       | 18       | —                               | 0                 | 0   | —        | —        | —                      | 0                 | 3     | 11       | 44       |
| <b>Pacific</b>       | —  | 0                 | 0   | —        | —        | 7                               | 32                | 47  | 545      | 763      | —                      | 0                 | 0     | —        | —        |
| Alaska               | —  | 0                 | 0   | —        | —        | —                               | 0                 | 4   | 5        | 4        | —                      | 0                 | 0     | —        | —        |
| California           | N  | 0                 | 0   | N        | N        | 4                               | 28                | 42  | 442      | 682      | —                      | 0                 | 0     | —        | —        |
| Hawaii               | —  | 0                 | 0   | —        | —        | —                               | 0                 | 2   | 7        | 1        | N                      | 0                 | 0     | N        | N        |
| Oregon†              | N  | 0                 | 0   | N        | N        | 1                               | 0                 | 6   | 8        | 15       | N                      | 0                 | 0     | N        | N        |
| Washington           | N  | 0                 | 0   | N        | N        | 2                               | 2                 | 11  | 83       | 61       | N                      | 0                 | 0     | N        | N        |
| American Samoa       | —  | 0                 | 0   | —        | —        | U                               | 0                 | 0   | U        | U        | U                      | 0                 | 0     | U        | U        |
| C.N.M.I.             | —  | 0                 | 0   | —        | —        | U                               | 0                 | 0   | U        | U        | U                      | 0                 | 0     | U        | U        |
| Guam                 | —  | 0                 | 0   | —        | —        | —                               | 0                 | 0   | —        | 3        | —                      | 2                 | 12    | —        | 348      |
| Puerto Rico          | N  | 0                 | 0   | N        | N        | —                               | 3                 | 16  | 54       | 75       | —                      | 8                 | 47    | 114      | 355      |
| U.S. Virgin Islands  | —  | 0                 | 0   | —        | —        | —                               | 0                 | 0   | —        | —        | —                      | 0                 | 0     | —        | —        |

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

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

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

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 3, 2006, and June 4, 2005 (22nd Week)\*

| Reporting area              | West Nile virus disease <sup>†</sup> |                   |     |          |          |                   |                   |     |          |          |
|-----------------------------|--------------------------------------|-------------------|-----|----------|----------|-------------------|-------------------|-----|----------|----------|
|                             | Neuroinvasive                        |                   |     |          |          | Non-neuroinvasive |                   |     |          |          |
|                             | Current week                         | Previous 52 weeks |     | Cum 2006 | Cum 2005 | Current week      | Previous 52 weeks |     | Cum 2006 | Cum 2005 |
|                             |                                      | Med               | Max |          |          |                   | Med               | Max |          |          |
| <b>United States</b>        | —                                    | 1                 | 155 | 3        | 6        | —                 | 0                 | 203 | —        | 14       |
| <b>New England</b>          | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 2   | —        | —        |
| Connecticut                 | —                                    | 0                 | 2   | —        | —        | —                 | 0                 | 1   | —        | —        |
| Maine                       | —                                    | 0                 | 0   | —        | —        | —                 | 0                 | 0   | —        | —        |
| Massachusetts               | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 1   | —        | —        |
| New Hampshire               | —                                    | 0                 | 0   | —        | —        | —                 | 0                 | 0   | —        | —        |
| Rhode Island                | —                                    | 0                 | 1   | —        | —        | —                 | 0                 | 0   | —        | —        |
| Vermont <sup>§</sup>        | —                                    | 0                 | 0   | —        | —        | —                 | 0                 | 0   | —        | —        |
| <b>Mid. Atlantic</b>        | —                                    | 0                 | 10  | —        | —        | —                 | 0                 | 4   | —        | —        |
| New Jersey                  | —                                    | 0                 | 1   | —        | —        | —                 | 0                 | 2   | —        | —        |
| New York (Upstate)          | —                                    | 0                 | 7   | —        | —        | —                 | 0                 | 2   | —        | —        |
| New York City               | —                                    | 0                 | 2   | —        | —        | —                 | 0                 | 2   | —        | —        |
| Pennsylvania                | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 2   | —        | —        |
| <b>E.N. Central</b>         | —                                    | 0                 | 39  | —        | 1        | —                 | 0                 | 18  | —        | —        |
| Illinois                    | —                                    | 0                 | 25  | —        | —        | —                 | 0                 | 16  | —        | —        |
| Indiana                     | —                                    | 0                 | 2   | —        | 1        | —                 | 0                 | 1   | —        | —        |
| Michigan                    | —                                    | 0                 | 14  | —        | —        | —                 | 0                 | 3   | —        | —        |
| Ohio                        | —                                    | 0                 | 9   | —        | —        | —                 | 0                 | 4   | —        | —        |
| Wisconsin                   | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 2   | —        | —        |
| <b>W.N. Central</b>         | —                                    | 0                 | 26  | —        | 1        | —                 | 0                 | 80  | —        | 1        |
| Iowa                        | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 5   | —        | —        |
| Kansas                      | —                                    | 0                 | 3   | —        | —        | N                 | 0                 | 3   | N        | N        |
| Minnesota                   | —                                    | 0                 | 5   | —        | —        | —                 | 0                 | 5   | —        | —        |
| Missouri                    | —                                    | 0                 | 4   | —        | 1        | —                 | 0                 | 3   | —        | —        |
| Nebraska <sup>§</sup>       | —                                    | 0                 | 9   | —        | —        | —                 | 0                 | 24  | —        | —        |
| North Dakota                | —                                    | 0                 | 4   | —        | —        | —                 | 0                 | 15  | —        | —        |
| South Dakota                | —                                    | 0                 | 7   | —        | —        | —                 | 0                 | 33  | —        | 1        |
| <b>S. Atlantic</b>          | —                                    | 0                 | 6   | —        | —        | —                 | 0                 | 4   | —        | —        |
| Delaware                    | —                                    | 0                 | 1   | —        | —        | —                 | 0                 | 0   | —        | —        |
| District of Columbia        | —                                    | 0                 | 1   | —        | —        | —                 | 0                 | 1   | —        | —        |
| Florida                     | —                                    | 0                 | 2   | —        | —        | —                 | 0                 | 4   | —        | —        |
| Georgia                     | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 3   | —        | —        |
| Maryland <sup>§</sup>       | —                                    | 0                 | 2   | —        | —        | —                 | 0                 | 1   | —        | —        |
| North Carolina              | —                                    | 0                 | 1   | —        | —        | —                 | 0                 | 1   | —        | —        |
| South Carolina <sup>§</sup> | —                                    | 0                 | 1   | —        | —        | —                 | 0                 | 0   | —        | —        |
| Virginia <sup>§</sup>       | —                                    | 0                 | 0   | —        | —        | —                 | 0                 | 1   | —        | —        |
| West Virginia               | —                                    | 0                 | 0   | —        | —        | N                 | 0                 | 0   | N        | N        |
| <b>E.S. Central</b>         | —                                    | 0                 | 10  | 1        | 1        | —                 | 0                 | 5   | —        | 1        |
| Alabama <sup>§</sup>        | —                                    | 0                 | 1   | —        | —        | —                 | 0                 | 2   | —        | —        |
| Kentucky                    | —                                    | 0                 | 1   | —        | —        | —                 | 0                 | 0   | —        | —        |
| Mississippi                 | —                                    | 0                 | 9   | 1        | 1        | —                 | 0                 | 5   | —        | 1        |
| Tennessee <sup>§</sup>      | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 1   | —        | —        |
| <b>W.S. Central</b>         | —                                    | 0                 | 32  | 2        | —        | —                 | 0                 | 22  | —        | 3        |
| Arkansas                    | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 2   | —        | 1        |
| Louisiana                   | —                                    | 0                 | 20  | —        | —        | —                 | 0                 | 9   | —        | 2        |
| Oklahoma                    | —                                    | 0                 | 6   | —        | —        | —                 | 0                 | 3   | —        | —        |
| Texas <sup>§</sup>          | —                                    | 0                 | 16  | 2        | —        | —                 | 0                 | 13  | —        | —        |
| <b>Mountain</b>             | —                                    | 0                 | 16  | —        | 1        | —                 | 0                 | 39  | —        | 4        |
| Arizona                     | —                                    | 0                 | 8   | —        | 1        | —                 | 0                 | 8   | —        | —        |
| Colorado                    | —                                    | 0                 | 5   | —        | —        | —                 | 0                 | 13  | —        | 3        |
| Idaho <sup>§</sup>          | —                                    | 0                 | 2   | —        | —        | —                 | 0                 | 3   | —        | —        |
| Montana                     | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 9   | —        | —        |
| Nevada <sup>§</sup>         | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 8   | —        | —        |
| New Mexico <sup>§</sup>     | —                                    | 0                 | 3   | —        | —        | —                 | 0                 | 4   | —        | 1        |
| Utah                        | —                                    | 0                 | 6   | —        | —        | —                 | 0                 | 8   | —        | —        |
| Wyoming                     | —                                    | 0                 | 2   | —        | —        | —                 | 0                 | 1   | —        | —        |
| <b>Pacific</b>              | —                                    | 0                 | 50  | —        | 2        | —                 | 0                 | 90  | —        | 5        |
| Alaska                      | —                                    | 0                 | 0   | —        | —        | —                 | 0                 | 0   | —        | —        |
| California                  | —                                    | 0                 | 50  | —        | 2        | —                 | 0                 | 89  | —        | 5        |
| Hawaii                      | —                                    | 0                 | 0   | —        | —        | —                 | 0                 | 0   | —        | —        |
| Oregon <sup>§</sup>         | —                                    | 0                 | 1   | —        | —        | —                 | 0                 | 2   | —        | —        |
| Washington                  | —                                    | 0                 | 0   | —        | —        | —                 | 0                 | 0   | —        | —        |
| American Samoa              | U                                    | 0                 | 0   | U        | U        | U                 | 0                 | 0   | U        | U        |
| C.N.M.I.                    | U                                    | 0                 | 0   | U        | U        | U                 | 0                 | 0   | U        | U        |
| Guam                        | —                                    | 0                 | 0   | —        | —        | —                 | 0                 | 0   | —        | —        |
| Puerto Rico                 | —                                    | 0                 | 0   | —        | —        | —                 | 0                 | 0   | —        | —        |
| U.S. Virgin Islands         | —                                    | 0                 | 0   | —        | —        | —                 | 0                 | 0   | —        | —        |

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

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

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

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

<sup>§</sup> Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE III. Deaths in 122 U.S. cities,\* week ending June 3, 2006 (22nd Week)

| Reporting Area              | All causes, by age (years) |       |       |       |      |    |                        | Reporting Area               | All causes, by age (years) |       |       |       |      |     |                        |
|-----------------------------|----------------------------|-------|-------|-------|------|----|------------------------|------------------------------|----------------------------|-------|-------|-------|------|-----|------------------------|
|                             | All Ages                   | ≥65   | 45-64 | 25-44 | 1-24 | <1 | P&I <sup>†</sup> Total |                              | All Ages                   | ≥65   | 45-64 | 25-44 | 1-24 | <1  | P&I <sup>†</sup> Total |
| <b>New England</b>          | 483                        | 347   | 81    | 31    | 12   | 12 | 35                     | <b>S. Atlantic</b>           | 1,111                      | 683   | 272   | 88    | 34   | 32  | 52                     |
| Boston, MA                  | 129                        | 80    | 30    | 9     | 4    | 6  | 10                     | Atlanta, GA                  | 184                        | 111   | 50    | 17    | 5    | 1   | 7                      |
| Bridgeport, CT              | 33                         | 26    | 4     | 3     | —    | —  | 1                      | Baltimore, MD                | 117                        | 64    | 29    | 10    | 8    | 6   | 10                     |
| Cambridge, MA               | 17                         | 13    | 3     | 1     | —    | —  | 2                      | Charlotte, NC                | 103                        | 65    | 30    | 4     | 3    | 1   | 11                     |
| Fall River, MA              | 26                         | 19    | 5     | 2     | —    | —  | 3                      | Jacksonville, FL             | 116                        | 71    | 31    | 10    | —    | 4   | 1                      |
| Hartford, CT                | 59                         | 46    | 5     | 4     | 4    | —  | 7                      | Miami, FL                    | 79                         | 49    | 15    | 6     | 6    | 3   | 1                      |
| Lowell, MA                  | 14                         | 12    | 2     | —     | —    | —  | 3                      | Norfolk, VA                  | 45                         | 33    | 6     | 1     | 1    | 4   | 3                      |
| Lynn, MA                    | 6                          | 5     | 1     | —     | —    | —  | —                      | Richmond, VA                 | 42                         | 17    | 15    | 7     | 2    | 1   | 1                      |
| New Bedford, MA             | 27                         | 22    | 3     | 1     | 1    | —  | 2                      | Savannah, GA                 | 56                         | 36    | 14    | 3     | 1    | 2   | 2                      |
| New Haven, CT               | U                          | U     | U     | U     | U    | U  | U                      | St. Petersburg, FL           | 50                         | 36    | 9     | —     | 2    | 3   | 3                      |
| Providence, RI              | 50                         | 33    | 8     | 5     | 1    | 3  | —                      | Tampa, FL                    | 165                        | 108   | 36    | 13    | 3    | 3   | 8                      |
| Somerville, MA              | 4                          | 3     | 1     | —     | —    | —  | —                      | Washington, D.C.             | 141                        | 83    | 34    | 17    | 3    | 4   | 4                      |
| Springfield, MA             | 35                         | 29    | 3     | 1     | —    | 2  | 1                      | Wilmington, DE               | 13                         | 10    | 3     | —     | —    | —   | 1                      |
| Waterbury, CT               | 28                         | 17    | 9     | 2     | —    | —  | 2                      | <b>E.S. Central</b>          | 748                        | 463   | 183   | 63    | 23   | 16  | 56                     |
| Worcester, MA               | 55                         | 42    | 7     | 3     | 2    | 1  | 4                      | Birmingham, AL               | 142                        | 82    | 42    | 10    | 6    | 2   | 10                     |
| <b>Mid. Atlantic</b>        | 1,898                      | 1,267 | 429   | 129   | 45   | 27 | 85                     | Chattanooga, TN              | 68                         | 51    | 16    | —     | —    | 1   | 3                      |
| Albany, NY                  | 42                         | 26    | 9     | 3     | 2    | 2  | 2                      | Knoxville, TN                | 90                         | 56    | 21    | 11    | 2    | —   | 5                      |
| Allentown, PA               | 32                         | 25    | 6     | 1     | —    | —  | 1                      | Lexington, KY                | 46                         | 26    | 11    | 6     | —    | 3   | 6                      |
| Buffalo, NY                 | 81                         | 52    | 21    | 6     | 2    | —  | 5                      | Memphis, TN                  | 160                        | 102   | 31    | 15    | 6    | 6   | 16                     |
| Camden, NJ                  | 35                         | 19    | 9     | 3     | 1    | 3  | 1                      | Mobile, AL                   | 91                         | 57    | 19    | 9     | 5    | 1   | 4                      |
| Elizabeth, NJ               | 13                         | 10    | 2     | 1     | —    | —  | 1                      | Montgomery, AL               | 20                         | 8     | 8     | 1     | 1    | 2   | 4                      |
| Erie, PA                    | 46                         | 36    | 6     | 2     | 1    | 1  | 1                      | Nashville, TN                | 131                        | 81    | 35    | 11    | 3    | 1   | 8                      |
| Jersey City, NJ             | 45                         | 28    | 12    | 3     | 1    | 1  | —                      | <b>W.S. Central</b>          | 1,301                      | 819   | 306   | 108   | 37   | 31  | 42                     |
| New York City, NY           | 1,018                      | 705   | 215   | 71    | 16   | 10 | 33                     | Austin, TX                   | 75                         | 42    | 19    | 9     | 2    | 3   | 2                      |
| Newark, NJ                  | 55                         | 29    | 16    | 7     | 2    | 1  | 4                      | Baton Rouge, LA              | 45                         | 34    | 6     | 4     | 1    | —   | —                      |
| Paterson, NJ                | 18                         | 7     | 8     | —     | 2    | 1  | 1                      | Corpus Christi, TX           | 54                         | 36    | 12    | 4     | 1    | 1   | 3                      |
| Philadelphia, PA            | 271                        | 148   | 81    | 26    | 13   | 3  | 13                     | Dallas, TX                   | 180                        | 98    | 51    | 17    | 7    | 7   | 6                      |
| Pittsburgh, PA <sup>‡</sup> | 24                         | 18    | 4     | 2     | —    | —  | 2                      | El Paso, TX                  | 43                         | 26    | 13    | 4     | —    | —   | 2                      |
| Reading, PA                 | 22                         | 18    | 3     | —     | —    | 1  | —                      | Fort Worth, TX               | 106                        | 80    | 21    | 3     | —    | 2   | 12                     |
| Rochester, NY               | 100                        | 77    | 15    | 3     | 2    | 3  | 14                     | Houston, TX                  | 336                        | 208   | 74    | 35    | 13   | 6   | 3                      |
| Schenectady, NY             | 21                         | 15    | 5     | —     | 1    | —  | 2                      | Little Rock, AR              | 79                         | 41    | 25    | 4     | 5    | 4   | 2                      |
| Scranton, PA                | 22                         | 17    | 4     | —     | —    | 1  | 1                      | New Orleans, LA <sup>†</sup> | U                          | U     | U     | U     | U    | U   | U                      |
| Syracuse, NY                | —                          | —     | —     | —     | —    | —  | —                      | San Antonio, TX              | 214                        | 141   | 48    | 14    | 6    | 5   | 7                      |
| Trenton, NJ                 | 13                         | 9     | 4     | —     | —    | —  | —                      | Shreveport, LA               | 67                         | 50    | 10    | 4     | 1    | 2   | 5                      |
| Utica, NY                   | 18                         | 12    | 5     | —     | 1    | —  | 3                      | Tulsa, OK                    | 102                        | 63    | 27    | 10    | 1    | 1   | —                      |
| Yonkers, NY                 | 22                         | 16    | 4     | 1     | 1    | —  | 1                      | <b>Mountain</b>              | 856                        | 533   | 204   | 70    | 31   | 18  | 68                     |
| <b>E.N. Central</b>         | 1,711                      | 1,139 | 399   | 104   | 37   | 32 | 109                    | Albuquerque, NM              | 106                        | 68    | 24    | 10    | 1    | 3   | 14                     |
| Akron, OH                   | 41                         | 30    | 8     | 3     | —    | —  | 1                      | Boise, ID                    | 46                         | 31    | 10    | 3     | 2    | —   | 5                      |
| Canton, OH                  | 37                         | 24    | 9     | 2     | —    | 2  | 5                      | Colorado Springs, CO         | 46                         | 26    | 14    | 3     | 1    | 2   | —                      |
| Chicago, IL                 | 316                        | 201   | 81    | 24    | 7    | 3  | 21                     | Denver, CO                   | 86                         | 54    | 27    | 1     | 3    | 1   | 10                     |
| Cincinnati, OH              | 56                         | 30    | 14    | 3     | 4    | 5  | 5                      | Las Vegas, NV                | 284                        | 178   | 63    | 28    | 12   | 3   | 19                     |
| Cleveland, OH               | 197                        | 154   | 35    | 6     | 2    | —  | 9                      | Ogden, UT                    | 26                         | 20    | 2     | 1     | 1    | 2   | 1                      |
| Columbus, OH                | 141                        | 94    | 34    | 10    | 2    | 1  | 9                      | Phoenix, AZ                  | 145                        | 80    | 40    | 13    | 6    | 6   | 10                     |
| Dayton, OH                  | 90                         | 58    | 23    | 5     | 3    | 1  | 8                      | Pueblo, CO                   | 24                         | 17    | 7     | —     | —    | —   | 1                      |
| Detroit, MI                 | 125                        | 61    | 41    | 15    | 7    | 1  | 8                      | Salt Lake City, UT           | 93                         | 59    | 17    | 11    | 5    | 1   | 8                      |
| Evansville, IN              | 59                         | 48    | 10    | —     | 1    | —  | 1                      | Tucson, AZ                   | U                          | U     | U     | U     | U    | U   | U                      |
| Fort Wayne, IN              | 53                         | 35    | 15    | 2     | —    | 1  | 6                      | <b>Pacific</b>               | 1,491                      | 1,022 | 309   | 101   | 33   | 26  | 124                    |
| Gary, IN                    | 13                         | 7     | 3     | 2     | 1    | —  | 1                      | Berkeley, CA                 | 16                         | 9     | 3     | 2     | 1    | 1   | 2                      |
| Grand Rapids, MI            | 52                         | 42    | 4     | 1     | —    | 5  | 3                      | Fresno, CA                   | 109                        | 77    | 27    | 4     | 1    | —   | 4                      |
| Indianapolis, IN            | 144                        | 89    | 38    | 7     | 3    | 7  | 12                     | Glendale, CA                 | 13                         | 9     | 4     | —     | —    | —   | 2                      |
| Lansing, MI                 | 45                         | 30    | 12    | 3     | —    | —  | 2                      | Honolulu, HI                 | 44                         | 31    | 5     | 6     | 1    | 1   | —                      |
| Milwaukee, WI               | 95                         | 64    | 23    | 5     | —    | 3  | 6                      | Long Beach, CA               | 53                         | 34    | 11    | 4     | 3    | 1   | 9                      |
| Peoria, IL                  | 34                         | 21    | 5     | 2     | 4    | 2  | 1                      | Los Angeles, CA              | 306                        | 205   | 64    | 27    | 5    | 5   | 36                     |
| Rockford, IL                | 39                         | 27    | 9     | 2     | 1    | —  | —                      | Pasadena, CA                 | 24                         | 13    | 6     | 3     | —    | 2   | 3                      |
| South Bend, IN              | 49                         | 32    | 11    | 6     | —    | —  | 2                      | Portland, OR                 | 101                        | 68    | 26    | 6     | —    | 1   | 2                      |
| Toledo, OH                  | 79                         | 53    | 20    | 4     | 1    | 1  | 7                      | Sacramento, CA               | 161                        | 116   | 29    | 7     | 8    | 1   | 12                     |
| Youngstown, OH              | 46                         | 39    | 4     | 2     | 1    | —  | 2                      | San Diego, CA                | 115                        | 82    | 19    | 7     | 4    | 3   | 8                      |
| <b>W.N. Central</b>         | 492                        | 306   | 133   | 27    | 14   | 12 | 32                     | San Francisco, CA            | 109                        | 76    | 17    | 11    | 4    | 1   | 11                     |
| Des Moines, IA              | 89                         | 57    | 21    | 8     | 3    | —  | 5                      | San Jose, CA                 | 165                        | 123   | 31    | 7     | 1    | 3   | 23                     |
| Duluth, MN                  | 23                         | 18    | 4     | —     | 1    | —  | 1                      | Santa Cruz, CA               | 34                         | 20    | 8     | 5     | —    | 1   | —                      |
| Kansas City, KS             | 18                         | 11    | 6     | —     | —    | 1  | 1                      | Seattle, WA                  | 96                         | 69    | 21    | 3     | 1    | 2   | 7                      |
| Kansas City, MO             | 44                         | 28    | 12    | 4     | —    | —  | 4                      | Spokane, WA                  | 55                         | 37    | 10    | 2     | 3    | 3   | 3                      |
| Lincoln, NE                 | 27                         | 19    | 4     | 2     | 1    | 1  | —                      | Tacoma, WA                   | 90                         | 53    | 28    | 7     | 1    | 1   | 2                      |
| Minneapolis, MN             | 51                         | 23    | 20    | 3     | 3    | 2  | 2                      | <b>Total</b>                 | 10,091**                   | 6,579 | 2,316 | 721   | 266  | 206 | 603                    |
| Omaha, NE                   | 68                         | 43    | 22    | 2     | —    | 1  | 10                     |                              |                            |       |       |       |      |     |                        |
| St. Louis, MO               | 59                         | 31    | 20    | 4     | —    | 4  | 4                      |                              |                            |       |       |       |      |     |                        |
| St. Paul, MN                | 48                         | 30    | 11    | 3     | 2    | 2  | 3                      |                              |                            |       |       |       |      |     |                        |
| Wichita, KS                 | 65                         | 46    | 13    | 1     | 4    | 1  | 2                      |                              |                            |       |       |       |      |     |                        |

U: Unavailable. —: No reported cases.

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

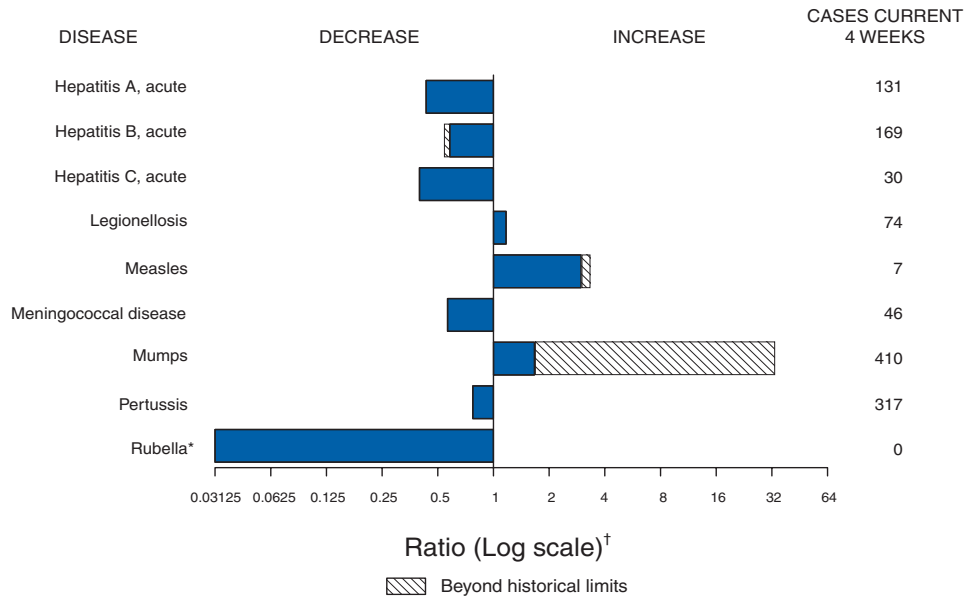
† Pneumonia and influenza.

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

§ 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 June 3, 2006, with historical data**



\* No rubella cases were reported for the current 4-week period yielding a ratio for week 22 of zero (0).

† Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

**Notifiable Disease Morbidity and 122 Cities Mortality Data Team**

Patsy A. Hall

Deborah A. Adams

Rosaline Dhara

Willie J. Anderson

Pearl C. Sharp

Lenee Blanton

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