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Botulism from Home-Canned Bamboo Shoots — Nan Province, Thailand, March 2006

On March 15, 2006, multiple persons with symptoms of nausea, vomiting, abdominal pain, and dyspnea visited the emergency department at Baan Luang district hospital in Nan province, Thailand; one person required mechanical ventilation. A team from the Bureau of Epidemiology, Department of Disease Control, Thailand Ministry of Public Health (MOPH) initiated an investigation, in collaboration with the Surveillance and Rapid Response Team from Baan Luang district. This report summarizes the investigation conducted during March 15–26, which determined that the outbreak was caused by foodborne botulism from home-canned bamboo shoots and affected 163 rural villagers who shared a common meal. The last case was identified March 21; no further cases of foodborne botulism have been identified in the region.

On March 14, an annual religious rite was observed in Nawaimai village, Pakaluang subdistrict, Baan Luang district, Nan province. Villagers from Pakaluang and neighboring subdistricts joined the event. That day, several persons who attended the festival visited local health-care providers with symptoms of gastroenteritis. Personnel from the MOPH Field Epidemiology Training Program (FETP) were notified of a possible foodborne outbreak on March 15. Illnesses progressed to include bulbar muscle paralysis, with respiratory depression requiring ventilatory support in three patients, at which time a botulism outbreak was suspected. A quick door-todoor survey conducted by village volunteers identified 354 villagers who had attended the event, of whom 200 (56%) ate food served at the event.

A case was defined as one or more symptoms* of food poisoning in a person who attended the religious rite. Active case finding among health facilities and communities in the affected districts was initiated; all provinces were asked to report patients with similar symptoms. During March 15–26, a total of 163 persons (82% of the 200 persons who ate at the festival) had illness consistent with the case definition. The median age of ill persons was 45 years (range: 13–75 years); 113 (69%) were female. The first patient had illness onset at 2:00 p.m. on March 14, and 87 (53%) patients had illness onset on March 15 (Figure 1). The last patient had illness onset on March 18.

Of the 163 persons with illness, 141 (86.5%) were admitted to area hospitals. All 141 hospitalized patients and 10 patients treated as outpatients were systematically queried about their symptoms (Figure 2). The majority of those patients experienced abdominal pain (116; 76.8%), dry mouth (76; 50.3%), and nausea (76; 50.3%); some had dysphagia (52; 37.7%), vomiting (53; 35.1%), diplopia (26; 17.2%), ptosis (16; 10.6%), and weakness of extremities (14; 9.3%). Forty-two (29.8%) of the hospitalized patients required mechanical ventilation.

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^{*} Abdominal pain, colicky pain, nausea, vomiting, diarrhea, headache, sweating, dry mouth, dysphagia, diplopia, ptosis, weakness of extremities, and dyspnea.

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Notifiable Disease Morbidity and 122 Cities Mortality Data

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Local public health officials and FETP epidemiologists interviewed 145 of 200 persons who attended the festival by using a standard questionnaire to assess food consumed and possible illness. Food served at the religious rite included homecanned bamboo shoots eaten with chili and shrimp paste, wax gourds, chicken curry, sticky rice, water, and ice. Home-canned bamboo shoots were the only item eaten by 100% of affected persons, although bamboo shoots were routinely consumed with the chili and shrimp paste. The bamboo shoots had been produced locally by a women's group in the village. The shoots had been processed in 20-liter cans with approximately 13 kg of shoots per can. A total of 53 cans were produced during September 2005; 46 cans were sold during September 2005-February 2006, primarily in the district where they were made. No other recent reports of similar illness in the area occurred before this outbreak. The morning of the day of the festival, bamboo shoots from two cans had been combined, washed and sliced into pieces, and placed into plastic bags before being distributed at lunch. One food preparer reported that one of the two cans of bamboo shoots appeared turbid before mixing, but the bamboo shoots were not discarded.

On the basis of clinical manifestations of the patients and results of the epidemiologic investigation, the most probable cause of illness was botulinum toxin from *Clostridium botulinum*. Samples of the leftover canned bamboo shoots were cultured by the MOPH Department of Medical Sciences on March 20 and grew *C. botulinum* on March 24. On April 10, multiplex polymerase chain reaction identified toxin type A. Thai and CDC scientists are collaborating to test patient specimens, including serum, vomitus, and gastric fluid.

Because of the cluster of patients with symptoms consistent with botulism, the number of patients requiring mechanical ventilation, and the progression of disease in several villagers, MOPH requested assistance from international partners in obtaining botulism antitoxin; no local source of antitoxin was available. Twenty vials of heptavalent antitoxin (A–G) were provided by the United Kingdom Department of Health with assistance from the World Health Organization, 50 vials of bivalent antitoxin (A, B) were donated by CDC, and 23 vials of trivalent antitoxin (A, B, E) were donated by the National Institute of Infectious Diseases in Japan. Thailand purchased an additional 10 vials of bivalent antitoxin (A, B) from a Canadian company. Antitoxin was administered to patients with the most severe symptoms; 70 vials were administered on March 19 and 20, and the last of the 93 vials used was administered on March 23. Although published data suggest that antitoxin is most effective if administered within the first 24 hours of illness onset (1), botulism antitoxin was administered to patients later in the course of illness to halt the progression of paralysis and potentially shorten the duration of

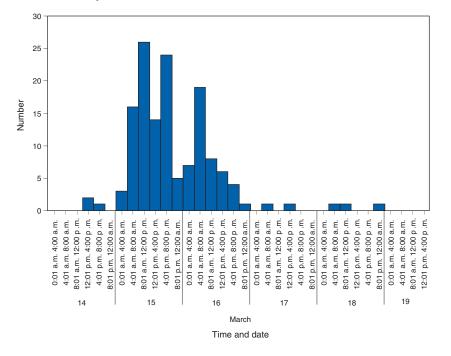
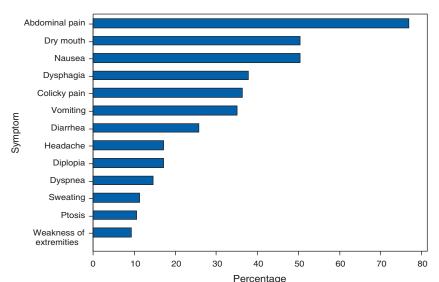
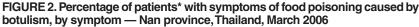


FIGURE 1. Epidemic curve of botulism outbreak, by time and date of symptom

onset* - Nan province, Thailand, March 2006

*Among patients for whom data regarding time of symptom onset were available (n = 145).





* Includes 141 hospitalized patients and 10 persons treated as outpatients who were queried about their symptoms (n = 151).

illness. A study to assess the short- and long-term outcomes of a subset of patients is under way.

On March 21, a team of critical care specialists (pulmonologists, a neurologist, and a toxicologist) from Bangkok traveled to Nan province to assess the respiratory care capabilities in the province. Because patients with severe botulism might remain on a ventilator for a month or longer requiring round-the-clock care, 26 patients were transferred on March 22 by the Thai Air Force to neighboring provincial hospitals and to tertiary care hospitals in Bangkok for long-term respiratory care. As of April 10, a total of 25 patients remained hospitalized, and 9 (36%) were still on respirators; no patients had died.

Reported by: Surveillance and Rapid Response Teams from Baan Luang district and Nan Provincial Health Office; Nan Provincial Hospital; Office of Disease Prevention and Control 10, Dept of Disease Control (DDC), Ministry of Public Health (MOPH), Chiang Mai; Field Epidemiology Training Program, Bur of Epidemiology, DDC, MOPH; Thailand MOPH–U.S. CDC Collaboration; World Health Organization representative to Thailand, Nonthaburi, Thailand. Div of Foodborne, Bacterial and Mycotic Diseases, National Center for Zoonotic, Vector-Borne and Enteric Diseases, CDC.

Editorial Note: In 1998, a smaller outbreak of botulism associated with home-canned bamboo shoots was reported in the same Thai province (2). Recommendations for home-canned food production were disseminated widely to all provinces. However, this recurrence 8 years later indicates the importance of long-term follow up and continuous inspection and assurance of the quality of food canning.

As a result of this investigation, MOPH recommended increasing control of home-canned food production in all provinces and strengthening surveillance for foodborne botulism. The provincial government prohibited sale of all leftover cans and advised the population to buy only Thai Food and Drug Administration–approved, commercially canned food products, to boil home-canned bamboo shoots for 10 minutes before eating, and to discard cans with defects (e.g., dents, swelling, discoloration, rust, or foul smell). Warnings about the outbreak were issued through local radio stations and the Internet, with educational messages about proper preparation of bamboo shoots for home canning. On March 20, health officials collected 21 leftover cans and approximately 550 plastic bags of bamboo shoots from three producers in Baan Luang district. In addition, provincial health officials are strengthening surveillance activities for botulism; a notice was sent to all hospitals and district health centers to urge clinicians and public health professionals to report any persons with signs or symptoms consistent with botulism. Local health authorities will continue to monitor persons who ate the shared meal until all signs of associated illness have resolved.

The current outbreak tested the rapid response capabilities of several countries. Surveillance and Rapid Response Teams in Thailand, who are trained to detect and respond to public health emergencies, were rapidly deployed. A quick assessment identified a large foodborne outbreak, with no malicious intent suspected (3). In addition, the World Health Organization and CDC rapidly identified and procured sources of antitoxin. This outbreak response highlights the importance of communication and collaboration between local health authorities and international health agencies.

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Preliminary FoodNet Data on the Incidence of Infection with Pathogens Transmitted Commonly Through Food — 10 States, United States, 2005

Foodborne illnesses are a substantial health burden in the United States (1). The Foodborne Diseases Active Surveillance Network (FoodNet) of CDC's Emerging Infections Program collects data from 10 U.S. states* regarding diseases caused by enteric pathogens transmitted commonly through food. FoodNet quantifies and monitors the incidence of these infections by conducting active, population-based surveillance for laboratory-confirmed illness (2). This report describes preliminary surveillance data for 2005 and compares them with baseline data from the period 1996–1998. Incidence of infections caused by *Campylobacter*, *Listeria*, *Salmonella*, Shiga toxin–producing *Escherichia coli* O157 (STEC O157), *Shigella*, and *Yersinia* has declined, and *Campylobacter* and *Listeria* incidence are approaching levels targeted by national health objectives (3) (Table). However, most of those declines occurred before 2005, and *Vibrio* infections have increased, indicating that further measures are needed to prevent foodborne illness.

In 1996, FoodNet began active, population-based surveillance for laboratory-confirmed cases of infection from *Campylobacter, Listeria, Salmonella*, STEC O157, *Shigella, Vibrio*, and *Yersinia*. In 1997, FoodNet added surveillance for cases of *Cryptosporidium* and *Cyclospora* infection. In 2000, FoodNet began collecting data on STEC non-O157 and comprehensive information on hemolytic uremic syndrome (HUS). FoodNet personnel ascertain cases through contact with all clinical laboratories in their surveillance areas. HUS surveillance is conducted through a network of pediatric nephrologists and infection-control practitioners. In addition, eight states review hospital discharge data to ascertain HUS cases. Because of the time required for review of hospital records, this report contains preliminary 2004 HUS data.

During 1996–2005, the FoodNet surveillance population increased from 14.2 million persons (5% of the U.S. population) in five states to 44.5 million persons (15% of the U.S. population) in 10 states. Preliminary incidence for 2005 was calculated using the number of laboratory-confirmed infections and dividing by 2004 population estimates. Final incidence for 2005 will be reported when 2005 population estimates are available from the U.S. Census Bureau.

2005 Surveillance

In 2005, a total of 16,614 laboratory-confirmed cases of infections in FoodNet surveillance areas were identified, as follows: *Salmonella* (6,471 cases), *Campylobacter* (5,655), *Shigella* (2,078), *Cryptosporidium* (1,313), STEC O157 (473), *Yersinia* (159), STEC non-O157 (146), *Listeria* (135), *Vibrio* (119), and *Cyclospora* (65). Overall incidence per 100,000 population was 14.55 for *Salmonella*, 12.72 for *Campylobacter*, 4.67 for *Shigella*, 2.95 for *Cryptosporidium*, 1.06 for STEC O157, 0.36 for *Yersinia*, 0.33 for STEC non-O157, 0.30 for *Listeria*, 0.27 for *Vibrio*, and 0.15 for *Cyclospora*. Substantial variation occurred across surveillance sites (Table). In 2004, FoodNet identified 44 cases of HUS in children aged <15 years (rate: 0.49 per 100,000 children); 30 (68%) of these cases occurred in children aged <5 years (rate: 0.94).

^{*} Connecticut, Georgia, Maryland, Minnesota, New Mexico, Oregon, Tennessee, and selected counties in California, Colorado, and New York.

| Pathogen | California | Colorado | Connectic | ut Georgia | Maryland | l Minnesota | New Mexico | New York | Oregon | Tennessee | Overall 2005 | National health objective [†] |
|---------------------|------------|----------|-----------|------------|----------|-------------|---------------|-------------|--------|-----------|-------------------|--|
| Bacteria | | | | | | | | | | | | |
| Campylobacter | 27.96 | 19.37 | 15.47 | 6.52 | 7.23 | 16.51 | 18.28 | 11.70 | 17.69 | 6.98 | 12.72 | 12.30 |
| Listeria | 0.31 | 0.08 | 0.57 | 0.28 | 0.34 | 0.29 | 0.21 | 0.42 | 0.31 | 0.19 | 0.30 | 0.25 |
| Salmonella | 13.99 | 13.30 | 13.36 | 21.75 | 14.14 | 11.33 | 13.45 | 11.29 | 10.46 | 13.74 | 14.55 | 6.80 |
| Shigella | 8.70 | 3.95 | 1.66 | 7.48 | 1.78 | 1.90 | 6.94 | 1.53 | 2.36 | 8.49 | 4.67 | N/A [¶] |
| STEC** 0157 | 0.87 | 1.02 | 1.23 | 0.39 | 0.47 | 2.35 | 0.53 | 1.71 | 1.84 | 0.78 | 1.06 | 1.00 |
| STEC non-O157 | 0.16 | 0.12 | 0.57 | 0.09 | 0.68 | 0.80 | 0.53 | 0.25 | 0.22 | 0.03 | 0.33 | N/A |
| Vibrio | 0.69 | 0.31 | 0.34 | 0.24 | 0.49 | 0.12 | 0.05 | 0.19 | 0.25 | 0.08 | 0.27 | N/A |
| Yersinia | 0.87 | 0.27 | 0.43 | 0.29 | 0.13 | 0.35 | 0.11 | 0.51 | 0.45 | 0.31 | 0.36 | N/A |
| Parasites | | | | | | | | | | | | |
| Cryptosporidium | 1.43 | 0.94 | 2.34 | 1.64 | 0.61 | 3.22 | 1.05 | 16.38 | 1.34 | 0.73 | 2.95 | N/A |
| Cyclospora | 0.06 | 0.00 | 1.00 | 0.15 | 0.05 | 0.00 | 0.21 | 0.02 | 0.11 | 0.05 | 0.15 | N/A |
| HUST | 0.94 | 1.02 | 0.47 | 0.44 | 0.80 | 1.51 | 0.00 | 0.83 | 1.33 | 2.34 | 0.94 [§] | 0.9 |
| Surveillance | | | | | | | | | | | | |
| population (million | ons) 3.21 | 2.56 | 3.50 | 8.83 | 5.56 | 5.10 | 1.90 | 4.32 | 3.59 | 5.90 | 44.47 | |

TABLE. Incidence* of cases of bacterial and parasitic infection and postdiarrheal hemolytic uremic syndrome (HUS), by site and pathogen, compared with national health objectives[†] — Foodborne Diseases Active Surveillance Network, United States, $2005^{\$}$

* Per 100,000 population.

[†] Healthy People 2010 objectives for incidence of Campylobacter, Salmonella, and Shiga toxin–producing Escherichia coli O157 infections for year 2010 and for incidence of Listeria infections for year 2005.

§ 2004 data reported for HUS incidence.

[¶] Not applicable because no national health objective exists regarding infection with this pathogen.

** Shiga toxin-producing Escherichia coli.

^{††} Incidence rate of postdiarrheal HUS in children aged <5 years; rate calculation is based on surveillance population aged <5 years.

Of the 5,869 (91%) *Salmonella* isolates serotyped, six serotypes accounted for 61% of infections, as follows: Typhimurium, 1,139 (19%); Enteritidis, 1,080 (18%); Newport, 560 (10%); Heidelberg, 367 (6%); Javiana, 304 (5%); and a monophasic serotype identified as *Salmonella* I 4,[5],12:i:-, 154 (3%). Among 109 (92%) *Vibrio* isolates identified to species level, 59 (54%) were *V. parahaemolyticus*, and 15 (14%) were *V. vulnificus*. FoodNet also collected data on 145 STEC non-O157 isolates that were tested for O-antigen determination; 117 (81%) had an identifiable O antigen, including O26 (37 [32%]), O103 (36 [31%]), and O111 (23 [20%]); 28 isolates did not react with the typing antisera used.

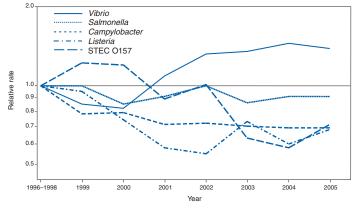
In 2005, FoodNet sites reported 205 foodborne disease outbreaks to the national Electronic Foodborne Outbreak Reporting System; 121 (59%) were associated with restaurants. Etiology was reported for 159 (78%) outbreaks; the most common etiologies were norovirus (49%) and *Salmonella* (18%).

Comparison of 2005 Data with 1996–1998

A main-effects, log-linear Poisson regression model (negative binomial) was used to estimate statistically significant changes in the incidence of pathogens. This model accounts for the increase in the number of FoodNet sites and its surveillance population since 1996 and for variation in the incidence of infections among sites (2). The average annual incidence for 1996–1998 (1997–1998 for *Cryptosporidium*), the first 3 years of FoodNet surveillance, was used as the baseline period. For HUS surveillance, 2000–2001 was used as the baseline. The estimated change in incidence (relative rate) between the baseline period and 2005 was calculated, along with a 95% confidence interval (CI).

The estimated annual incidence of several infections declined significantly from 1996-1998 to 2005 (Figure 1). The estimated incidence of infection with Yersinia decreased 49% (CI = 36%–59%), Shigella decreased 43% (CI = 18%–60%), Listeria decreased 32% (CI = 16%-45%), Campylobacter decreased 30% (CI = 25%-35%), STEC O157 decreased 29% (CI = 12%-42%), and Salmonella decreased 9% (CI = 2%-15%). Although Salmonella incidence decreased overall, of the five most common Salmonella serotypes, only the incidence of S. Typhimurium decreased significantly (42% [CI = 34%-48%]). The estimated incidence of S. Enteritidis increased 25% (CI = 1%-55%), S. Heidelberg increased 25% (CI = 1%-54%) and S. Javiana increased 82% (CI = 14%-191%). The estimated incidence of S. Newport increased compared with the baseline, but the increase was not statistically significant (Figure 2). The estimated incidence of postdiarrheal HUS in children aged <5 years decreased 45% in 2004 compared with 2000-2001; whether this trend is significant could not be determined, partly because the limited time span does not provide enough data to evaluate a Poisson regression model. The estimated incidence of Vibrio increased 41% (CI = 3%-92%) compared with the baseline, whereas the estimated incidence of Cryptosporidium infections did not change significantly.

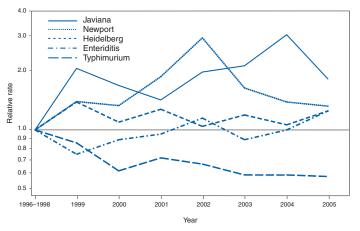
FIGURE 1. Relative rates compared with 1996–1998 baseline period of laboratory-diagnosed cases of infection with *Campylobacter*, STEC* 0157, *Listeria, Salmonella*, and *Vibrio*, by year — Foodborne Diseases Active Surveillance Network, United States, 1996–2005



* Shiga toxin-producing Escherichia coli.

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Editorial Note: In 2005, compared with the 1996-1998 baseline period, significant declines occurred in the estimated incidence of Campylobacter, Listeria, Salmonella, Shigella, STEC O157, and Yersinia infections. Several important food safety initiatives (1) might have contributed to the declines, indicating progress toward meeting the national health objectives (Table) (3). However, most progress occurred before 2005. Most of the decline in *Campylobacter* incidence occurred by 2001, with continued small decreases since then. The incidence of Listeria infections in 2005 is higher than its lowest point in 2002. Of the five most common Salmonella serotypes, only Typhimurium has declined, with most of the decline occurring by 2001. Most of the decline in STEC O157 incidence occurred during 2003 and 2004. The observed sustained increase in Vibrio incidence indicates that additional efforts are needed to prevent Vibrio infections. Oysters are the most important source of human Vibrio infections, and most FIGURE 2. Relative rates compared with 1996–1998 baseline period of laboratory-diagnosed cases of infection with the five most commonly isolated *Salmonella* serotypes, by year — Foodborne Diseases Active Surveillance Network, United States, 1996–2005



human infections can be prevented by not eating raw or undercooked oysters. Measures that reduce *Vibrio* contamination of oysters also prevent illness.

Food animals are the most important source of human Salmonella infections. Transmission of Salmonella to humans can occur via various food vehicles, including eggs, meat, poultry, and produce, and via direct contact with animals and their environments. Testing by the U.S. Department of Agriculture, Food Safety and Inspection Service (FSIS) at slaughter and processing plants has demonstrated declines in Salmonella contamination of ground beef since 1998 (4). However FSIS recently announced a sustained increase in chickenbroiler carcasses testing positive for Salmonella during 2002-2005 and subsequently launched an initiative to reduce Salmonella in raw meat and poultry products (4,5). Although sources of infection with the most common Salmonella serotypes have been identified (e.g., food animals), further investigation is needed to identify sources for emerging Salmonella serotypes, such as Javiana and I 4,[5],12:i:-, a monophasic serotype that resembles S. Typhimurium except that it has no phase 2 flagellar antigen and has previously been misclassified as Group B Salmonella or S. Typhimurium (6).

Large outbreaks with multiple laboratory-confirmed cases can distort underlying trends in incidence. For example, the incidence of *Cryptosporidium* infections increased substantially from 2004 to 2005 because of a large outbreak associated with visits to a recreational water park in New York (P Smith, MD, New York State Department of Health, personal communication, 2006).

The findings in this report are subject to at least four limitations. First, FoodNet relies on laboratory diagnoses, but many foodborne illnesses are not diagnosed by clinical laboratories. Second, protocols for isolation of certain enteric pathogens (e.g., STEC non-O157) in clinical laboratories vary and are not uniform within and among FoodNet sites (7); others (e.g., norovirus) cannot readily be identified by clinical laboratories. Third, reported illnesses might have been acquired through nonfoodborne sources, and reported incidence rates do not reflect foodborne transmission exclusively. Finally, although the FoodNet surveillance population is similar to the U.S. population (2), the findings might not be generalizable to the entire U.S. population.

Much remains to be done to reach the national health objectives for foodborne illnesses. Enhanced measures are needed to understand and control pathogens in animals and plants, to reduce or prevent contamination during processing, and to educate consumers about risks and prevention measures. Such measures can be particularly focused when the source of human infections (i.e., animal reservoir species and transmission route) are known. The declines in the incidence of STEC O157 infections observed in recent years suggest that coordinated efforts by regulators and industry have been effective in reducing contamination and illness related to ground beef (8,9).

Consumers can reduce their risk for foodborne illness by following safe food-handling recommendations and by avoiding consumption of unpasteurized milk and unpasteurized milk products, raw or undercooked oysters, raw or undercooked eggs, raw or undercooked ground beef, and undercooked poultry (additional information on food safety for consumers is available at http://www.fightbac.org). Other effective prevention measures, such as pasteurization of in-shell eggs, irradiation of ground meat, and pressure treatment of oysters, can also decrease the risk for foodborne illness.

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Multisite Outbreak of Norovirus Associated with a Franchise Restaurant — Kent County, Michigan, May 2005

The majority of cases of foodborne gastroenteritis in the United States are caused by noroviruses (1). This report summarizes an investigation by the Kent County Health Department (KCHD) in Michigan into three norovirus outbreaks and a cluster of community cases that were associated with a national submarine sandwich franchise restaurant during May 3–9, 2005. The investigation identified a potential source, a food handler who had returned to work within a few hours of having symptoms of gastrointestinal illness while he was still excreting norovirus in his stools. To prevent norovirus outbreaks, food service workers should be educated regarding norovirus transmission and control. In 2005, new guidelines for state health departments regarding norovirus containment were published by the Food and Drug Administration (FDA) (2); guidelines for local health departments in Michigan were issued by the state's Department of Community Health and Department of Agriculture (3). The new guidelines for Michigan recommend that food service workers with suspected norovirus not return to work until they are asymptomatic for 48-72 hours.

Norovirus Cases

Outbreak 1. On May 5, the KCHD was notified of a gastroenteritis outbreak among employees who had attended a school staff luncheon on May 3. Staff members were served a party-sized submarine sandwich catered by a national franchise restaurant. A case was defined as illness in a person who ate the suspect meal during May 3–8 and became ill 8–56 hours later with vomiting or diarrhea and two of the following: fever (documented), abdominal cramps, or nausea. A total of 23 (80%) of 29 school staff members reported illness. Among the 23, predominant symptoms were diarrhea (87%) and vomiting (74%). Of the six stool specimens collected, all tested positive for norovirus by polymerase chain reaction (PCR). A retrospective cohort study was conducted, and exposures to 26 food items were analyzed. Twenty-two of 23 ill persons reported eating lettuce; however, no specific food item was significantly associated with illness.

Outbreak 2. On May 6, KCHD was notified of a gastroenteritis outbreak at a publishing company staff luncheon that had occurred on May 5. Party-sized submarine sandwiches were served by the same restaurant that catered the luncheon in outbreak 1. Among 95 persons who could be interviewed and who ate the suspect meal, 55 (58%) had become ill. Predominant symptoms were diarrhea (94%) and vomiting (83%). Because the entire cohort of exposed persons could not be interviewed, a case-control study was conducted, and exposures to 16 food items were analyzed. Results indicated that eating lettuce was significantly associated with illness (odds ratio [OR] = 11.24; 95% confidence interval [CI] = 1.30-95.2). Fifty-three of 54 ill persons who responded to the question reported eating lettuce. Two other food items were significantly associated with illness: jalapeno peppers (OR = 3.45; CI = 1.04–11.40) and onions (OR = 3.09; CI = 1.27 - 7.80). Fifteen of 52 ill persons for whom data were available reported eating jalapenos, and 21 of 50 reported eating onions. Of two stool specimens that were tested during this outbreak, one was positive by PCR for norovirus. The owner of the restaurant was contacted, and a log of other catered events was requested.

Outbreak 3. On May 6, KCHD learned of another outbreak through inquiries to groups identified in the same restaurant's catered event log. A social service organization that held a luncheon on May 4 reported that employees became sick after eating a party-sized submarine sandwich. Of 18 persons who attended the luncheon, nine (50%) became ill and met the case definition. Predominant symptoms were vomiting and diarrhea (both 78%). A cohort study was conducted, but no specific food item was significantly associated with illness. Norovirus was detected by PCR in both of the two stool specimens tested.

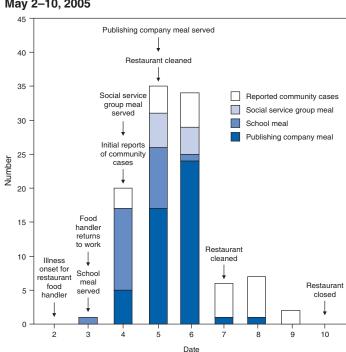
Community cases. Reports from the community identified an additional 28 persons with illness onset dates of May 4–9, including 25 (90%) who reported being ill after eating sandwiches from the same franchise restaurant that catered the events in the three outbreaks. Major symptoms included diarrhea (92%) and vomiting (80%). A case-control study was conducted, but no specific food item was associated with illness. All three stool specimens tested were positive by PCR for norovirus.

Epidemiologic and Laboratory Investigation

The three outbreaks and community cases all appeared to have been linked to sandwiches prepared by the same restaurant (Figure). Sequence analysis was performed on 21 stool specimens from the three outbreaks. Results demonstrated 100% sequence homology for the 21 specimens.

Investigators learned that a food handler employed by the restaurant had vomiting and diarrhea on May 2. The food handler believed he had acquired illness from his child, who had vomited on May 1. The child's illness was traced to an ill cousin who had been exposed to norovirus at a child care center. The food handler's vomiting ended by the early morning of May 3, and he returned to work at the restaurant later that morning. A stool specimen from the food handler was collected on May 10 and tested positive by PCR for norovirus on May 16. Sequence analysis was performed on strains from the food handler and eight customers who had illness consistent with the case definition. All nine matched the strains identified in the previous outbreaks.

An environmental health inspection on May 6 revealed that the restaurant had been thoroughly cleaned on May 5 in advance of a visit by corporate supervisors on May 6. During the inspection, investigators learned that the food prepara-



* N = 170.



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tion sink was being used for hand washing; a copy of the Michigan guidelines for disinfection of norovirus (*3*) was provided to the restaurant owner. The restaurant again was cleaned on May 7. On May 10, after the health department received new complaints of illness from the public, the health department recommended that the restaurant be closed temporarily, and the restaurant owner complied.

On May 16, a meeting was held with members of the health department staff and the food handler who had tested positive for norovirus. Because of the association with eating lettuce in outbreak 2, questions were asked about lettuce-handling procedures. Investigators learned that lettuce was sliced each morning by the food handler who had been ill. In addition, heads of lettuce were washed in the same sink in which employees washed their hands; the sink was not sanitized before and after the lettuce was washed. On May 17, a professional cleaning company was hired to clean the restaurant, and it was reopened the next day. No further cases of illness were reported as of May 18.

Reported by: J Kettlehut Payne, MPH, M Hall, MD, M Lutzke, MPH, C Armstrong, J King, Kent County Health Dept, Grand Rapids, Michigan.

Editorial Note: The outbreak investigation described in this report underscores the challenges associated with preventing norovirus transmission. Small restaurants might have difficulty operating when an employee is absent and might not be able to afford paying leave for illness. However, employees who become ill and continue to work can place the public's health at risk.

The results of these investigations suggest that the illness of one food handler might have been linked to the illnesses of at least 100 persons in multiple settings. Illnesses at a publishing company, school, social service group, and among members of the public resulted in closure of a warehouse, employee absences, pay for substitute teachers, loss of wages, and loss of revenue to the restaurant during a week-long closure.

These outbreaks demonstrate a general lack of education regarding norovirus. Restaurant owners in Michigan are required to review the state food code; however, no free training was offered to them to interpret this lengthy legal document. To facilitate education, online training programs for food handlers and managers are being developed by Kent County public health sanitarians.

Previously, no work exclusion requirements in the Michigan food code specifically targeted norovirus. An employee was required to report *Salmonella*, *Shigella*, *Escherichia coli* 0157:H7, and hepatitis A infections or illnesses such as diarrhea, vomiting, fever, jaundice, or sore throat with fever. Employees were required to provide written medical documentation that they were free from the four specified infectious agents via stool testing (3); no such requirement existed for norovirus. However, the 2005 FDA Food Code included norovirus containment recommendations for states requiring food service employees to be excluded from work if symptomatic with vomiting or diarrhea and, if they have been ill with suspected norovirus, not to return to work until they have been asymptomatic for 24 hours (2). In one study, viral shedding began approximately 15 hours after exposure to norovirus and peaked 25–72 hours after exposure (4). However, in this outbreak, one specimen tested positive for norovirus 14 days after exposure. The new Michigan guidelines, issued in 2005, recommend that employees who have been ill with suspected norovirus not return to work for 48–72 hours after symptoms have ended.

Specific education on norovirus containment for food handlers should be provided, even when not documented in a state food code. The Michigan guidelines offer recommendations for cleaning and disinfection that are based on recent studies and go beyond previous guidelines (5), indicating the concentration of bleach required for cleaning various porous and nonporous surfaces. The Michigan guidelines also supply a list of other effective and ineffective disinfectants. The restaurant described in this report was not cleaned appropriately until after it had been closed for nearly 1 week. Whether containment of norovirus resulted from the final restaurant cleaning or whether the virus was no longer viable could not be determined and offers an opportunity for future study.

Acknowledgments

This report is based, in part, on data provided by D Kraker, A Kramer, S Green, D Smith, Kent County Health Dept; and JP Massey, PhD, Michigan Dept of Community Health.

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Survey of Lymphocytic Choriomeningitis Virus Diagnosis and Testing — Connecticut, 2005

Lymphocytic choriomeningitis virus (LCMV) is a rodentborne virus that can be transmitted to humans through exposure to rodent urine, feces, saliva, or blood. LCMV infection is often asymptomatic or mild but can cause aseptic meningitis, encephalitis, life-threatening infections in immunosuppressed persons, and severe congenital defects (1,2). In May 2005, LCMV was implicated in the deaths of three organtransplant recipients who had received organs from a common donor who had likely been infected from a pet rodent (3). In August 2005, the Connecticut Department of Public Health conducted surveys of hospital laboratories and infectious disease (ID) physicians in Connecticut to determine recent incidence of confirmed LCMV infection, the level of awareness of LCMV, and the frequency of LCMV testing. This report summarizes the results of those surveys, which indicate that awareness of LCMV is high among ID physicians; however, testing for LCMV is infrequent, and ID physicians might not be aware of the need to consider LCMV among the most susceptible populations even when a history of rodent contact is not initially evident. In part because of these findings, LCMV infection is now a physician- and laboratory-reportable disease in Connecticut. More systematic efforts are needed to determine the frequency of LCMV infection and to monitor for pet rodent infection.

All acute care hospital laboratories in Connecticut were surveyed by telephone and asked 1) whether LCMV testing is available on site, 2) whether specimens are sent to another laboratory for testing, 3) which tests are offered to detect the virus, 4) the number of test requests made during the preceding 5 years, and 5) the results of testing. A second survey of a group of sentinel ID physicians in the state was performed via e-mail. This group consists of mostly hospital-based ID physicians who regularly receive information via e-mail from the Connecticut Department of Public Health through the Connecticut Health Alert Network. They were asked how often in the preceding 5 years they had considered a diagnosis of LCMV and tested for the virus. They were also asked if they would consider LCMV in the differential diagnosis of ill patients described in specific epidemiologic and clinical scenarios. Physicians were sent a second e-mail message if they did not return the survey within a few weeks of the initial request.

Of the 30 acute care hospital laboratories in Connecticut, none perform LCMV testing on site; 29 (97%) reported referring samples to either the state public health laboratory or another referral laboratory. During the preceding 5 years, two laboratories received requests. Only the state laboratory and one other referral laboratory performed LCMV testing for Connecticut hospitals. Testing was performed on approximately 29 serum or cerebrospinal fluid (CSF) samples using a complement fixation test at the state public health laboratory and one CSF sample using an immunoflorescent antibody assay at another referral laboratory; none were positive.

Among the 35 ID physicians contacted, 28 (80%) responded to the e-mail questionnaire. Among the respondents, 17 (61%) reported considering a diagnosis of LCMV during the preceding 5 years; of these, nine (53%) ordered a test. None confirmed a diagnosis of LCMV. Among the 24 physicians who answered questions based on the scenarios, most would consider LCMV in the differential diagnosis among patients exposed to wild mice (92%), healthy pet rodents (96%), or sick pet rodents (96%). However, only six (25%) would consider LCMV in an immunocompromised patient with an unexplained febrile illness and no known exposure history.

Reported by: JL Hadler, MD, R Nelson, DVM, P Mshar, MPH, Connecticut Dept of Public Health. LE Sosa, MD, EIS Officer, CDC.

Editorial Note: Outbreaks of LCMV in humans were first reported in the 1960s. Initial reports documented disease mostly in laboratory personnel working with mice and hamsters (4). The largest outbreak of LCMV occurred in 1973-1974 and resulted in 181 human cases in 12 states; this outbreak was associated with pet hamsters supplied by a single distributor (4). The likely source of LCMV in a transplantassociated outbreak in May 2005 was also determined to be a pet hamster (3). Although the wild house mouse (*Mus musculus*) is the natural reservoir for the virus, hamsters and other pet rodents can acquire the virus through exposure to infected mice and become an important source of human exposure. Given the association of recent outbreaks with pet rodents, control and monitoring of LCMV among rodent populations in breeding and retail facilities is needed. Until this can be achieved by the pet industry, other measures (e.g., human surveillance) need to be instituted to monitor for pet rodent infection and to minimize transmission of LCMV to humans.

The current incidence of clinically significant LCMV infection among humans is unknown. Two separate studies have demonstrated the prevalence of LCMV-specific antibodies in urban human populations exposed to wild rodents to range

from 1% to 5% (5,6). During a 1974 outbreak in New York associated with pet hamsters, enhanced case finding identified 60 persons with serologically confirmed LCMV, 12 (20%) of whom had severe central nervous system disease (e.g., meningitis or meningoencephalitis) (2). Given these reports, morbidity associated with LCMV infections might be substantially higher than generally believed, and even severe LCMV infection is likely underdiagnosed, as evidenced by the infrequent testing for LCMV detailed in these surveys. Based in part on the findings in this report, beginning in 2006, LCMV infection became health-care provider and laboratory reportable in Connecticut, with supportive diagnostic testing offered at no charge by the state laboratory. The objectives of this reporting are to 1) ensure that patients with suspect cases, especially those with pet rodent exposure, get optimum testing for LCMV infection, 2) determine the epidemiology of and trends in LCMV infection, and 3) raise physician awareness. Optimum serologic testing includes paired acute and convalescent serum specimens, the latter obtained approximately 21 days after symptom onset.

The findings in this report suggest that hospital-based ID physicians in Connecticut are aware of the association of LCMV with exposure to mice and other rodents but not likely to consider LCMV-related illness in the most susceptible populations without a clear rodent exposure history. Although disease is rarely reported, infection can be particularly severe in immunocompromised persons (e.g., organ recipients) and can cause developmental defects in fetuses (1,3). Physicians in specialties likely to evaluate patients with illness associated with LCMV infection should know how the infection might manifest in immunocompromised persons; clinical disease in these patients might not include symptoms of meningitis or encephalitis but might be more generalized (3). These physicians should also be knowledgeable about risk factors for infection so they can counsel susceptible patients. CDC previously published guidance on minimizing risk for LCMV infection and recently issued an update on LCMV infection in pregnancy and newborns intended for physicians (7,8).

The findings in this report are subject to at least four limitations. First, although all of the acute care hospital laboratories in Connecticut participated, the questions were posed to multiple persons in each laboratory. Thus, the person with the most knowledge regarding LCMV might not have been contacted at each location. Second, these surveys focused on inpatient diagnoses and might have missed outpatient if physicians sent specimens directly to a referral laboratory. Third, only ID physicians were surveyed, which might have neglected diagnoses made by other groups of physicians. Finally, this survey is not representative of the knowledge and awareness of all ID physicians in Connecticut or physicians in other specialties who might evaluate patients with LCMVrelated illness.

Monitoring for LCMV infection should continue to minimize the potential for outbreaks and to determine the effectiveness of personal and industry-level prevention measures. In the absence of regular testing for LCMV in the pet industry, surveillance for human infection, as has begun in Connecticut, is an alternative method of monitoring for LCMV disease both in humans and pet rodent populations. If human surveillance is conducted, it should occur in a setting of physician education and active encouragement for testing, especially for persons with a clinically compatible illness (e.g., encephalitis and aseptic meningitis) and epidemiologic risk factors.

Acknowledgments

The findings in this report are based, in part, on contributions by L Lobianco, MPH, A Morrison, MPH, D Mylnarski, MPH, A Nepaul, MS, K Purviance, MPH, T Rabatsky-Ehr, MPH, Connecticut Dept of Public Health.

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Fusarium Keratitis — Multiple States, 2006

On April 10, this report was posted as an MMWR Dispatch on the MMWR website (http://www.cdc.gov/mmwr).

On March 8, 2006, CDC received a report from an ophthalmologist in New Jersey regarding three patients with contact lens–associated *Fusarium* keratitis during the preceding 3 months. Initial contact with several corneal disease specialty centers in the United States revealed that other centers also have seen recent increases in *Fusarium* keratitis. This report summarizes the public health response to date in the United States and provides important prevention messages for contact lens users.

Microbial keratitis is a severe infection of the cornea. Risk factors for infection include trauma (generally with plant material), chronic ocular surface diseases, immunodeficiencies, and rarely, contact lens use (1-3). An estimated 30 million persons in the United States wear soft contact lenses; the annual incidence of microbial keratitis is estimated to be 4-21 per 10,000 soft contact lens users, depending on whether users wear lenses overnight (4). Fungal keratitis is a condition more prevalent in warm climates; in the southernmost United States, up to 35% of microbial keratitis cases are fungal keratitis, compared with 1% in New York (5,6). The proportion of fungal keratitis attributable to Fusarium spp. also varies by region, from 25% to 62% (1,2,5). First-line treatment includes topical and oral antifungal medications; patients who do not respond to medical treatment usually require surgical intervention, including corneal transplantation (3). Fusarium keratitis is not transmitted from person to person.

As of April 9, 2006, a total of 109 patients with suspected *Fusarium* keratitis were under investigation in multiple states. Case finding was conducted through postings on the *Epidemic Information Exchange (Epi-X)* and ophthalmology listservs and through queries of clinical microbiology laboratories. CDC is coordinating an investigation with public health authorities in California, Connecticut, Florida, Georgia, Iowa, Maryland, Massachusetts, Michigan, Missouri, New Jersey, New York, North Dakota, Ohio, Pennsylvania, Tennessee, Texas, and Vermont. The majority of patients have yet to be interviewed; however, of 30 patients for whom complete data were available, the median age was 48 years (range: 13–83 years), and 21 (70%) were female; infection onset occurred during June 15, 2005–March 18, 2006.

Twenty-eight patients (93%) wore soft contact lenses, and two (7%) reported no contact lens use. Among contact lens users, 26 (93%) remembered which solution they used during the month before infection onset or had retained the actual bottle. Of these, 26 (100%) reported using a Bausch & Lomb (Rochester, New York) ReNu[®] brand contact lens solution or a generic-brand solution manufactured by Bausch & Lomb. Patients reported using various ReNu product types from multiple product lots. Five (18%) patients reported using other solutions in addition to the ReNu solution, including solutions made by Advanced Medical Optics, Inc. (Santa Ana, California) and Alcon (Fort Worth, Texas). Nine (32%) patients reported wearing contact lenses overnight, a known risk factor for microbial keratitis. Eight (29%) required corneal transplantation. Laboratory testing to evaluate product contamination, including typing of *Fusarium* spp. isolates, is ongoing.

Clusters of *Fusarium* keratitis were reported among contact lens users in Asia beginning in February 2006. At that time, Bausch & Lomb voluntarily suspended sales of its ReNu multipurpose solutions in Singapore and Hong Kong, pending investigation, after multiple reports of *Fusarium* keratitis among contact lens users there (7).

An ongoing investigation by CDC, state and local health departments, and the Food and Drug Administration is under way to determine whether this cluster represents an increase of *Fusarium* keratitis infections and to determine the association, if any, of these cases with any product. Epidemiologic and laboratory studies will help define specific activities, hygiene practices, or products that place persons at increased risk for *Fusarium* keratitis.

Measures to reduce the risk for microbial keratitis can be instituted immediately by contact lens users and include the safe handling, storage, and cleaning of contact lenses. Specifically, contact lens users should wash their hands with soap and water and dry them before handling lenses, wear lenses according to the schedule prescribed by eye-care practitioners and solution manufacturers, and follow guidelines for cleaning and storing lenses provided by eye-care practitioners and solution manufacturers. Contact lens users with questions about which solutions are best for them should consult their eye-care professionals and carefully weigh risks and benefits.

Clinicians evaluating contact lens users with signs or symptoms of keratitis, such as unusual redness, eye pain, tearing, discharge, or sensitivity to light, should consider fungal keratitis and refer the patient to an ophthalmologist, if appropriate. Clinicians should consider obtaining clinical specimens (e.g., corneal scrapings) for culture before initiating treatment. Clinicians or microbiology laboratories should report cases of *Fusarium* keratitis to state and local health departments or directly to CDC at telephone, 800-893-0485. *Fusarium* isolates should be submitted to state laboratories according to instructions provided by local and state public health laboratories.

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Exposure to Mumps During Air Travel — United States, April 2006

On April 11, this report was posted as an MMWR Dispatch on the MMWR website (http://www.cdc.gov/mmwr).

The state of Iowa has been experiencing a large mumps outbreak that began in December 2005 (1). As of April 10, 2006, a total of 515 possible mumps cases have been reported to the Iowa Department of Public Health (IDPH) during 2006 (2). This outbreak has spread across Iowa, and mumps activity, possibly linked to the Iowa outbreak, is under investigation in six neighboring states, including Illinois (n = four), Kansas (n = 33), Minnesota (n = one), Missouri (n = four), Nebraska (n = 43), and Wisconsin (n = four) (CDC, unpublished data, April 10, 2006). The reasons for this outbreak are under investigation.

Mumps is an acute viral infection characterized by a nonspecific prodrome, including myalgia, anorexia, malaise, headache, and fever, followed by acute onset of unilateral or bilateral tender swelling of parotid or other salivary glands (2). An estimated 60%–70% of mumps infections produce typical acute parotitis (3). Approximately 20% of infections are asymptomatic, and nearly 50% are associated with nonspecific or primarily respiratory symptoms. Complications include orchitis, oophoritis, or mastitis (inflammation of the testicles, ovaries, or breasts, respectively), meningitis/ encephalitis, spontaneous abortion, and deafness. Transmission occurs by direct contact with respiratory droplets or saliva. The incubation period is 14–18 days (range: 14–25 days) from exposure to onset of symptoms. The infectious period is from 3 days before symptom onset until 9 days after onset of symptoms.

IDPH has identified two persons who had mumps diagnosed and were potentially infectious during travel on nine different commercial flights involving two airlines during March 26–April 2, 2006. The commercial airline flights identified with a potentially infectious traveler are listed below by date, carrier, and flight number:

Northwest Airline (NWA) flights:

- March 26 NWA (Mesaba) #3025 from Waterloo, Iowa to Minneapolis, Minnesota
- March 26 NWA #760 from Minneapolis, Minnesota, to Detroit, Michigan
- March 27 NWA #0260 from Detroit, Michigan, to Washington, DC–Reagan National
- March 29 NWA #1705 from Washington, DC–Reagan National to Minneapolis, Minnesota
- March 29 NWA (Mesaba) #3026 from Minneapolis, Minnesota, to Waterloo, Iowa

American Airline (AA) flights:

- April 2 AA #1216 from Tucson, Arizona, to Dallas, Texas (DFW)
- April 2 AA #3617 from DFW to Lafayette, Arkansas (Northwest Arkansas Regional [NAR])
- April 2 AA #5399 from NAR to St. Louis, Missouri
- April 2 AA #5498 from St. Louis, Missouri, to Cedar Rapids, Iowa

Persons on these flights who have symptoms consistent with mumps within 21 days of travel should be evaluated for mumps by a health-care provider. Health-care providers should remain vigilant for mumps among persons with parotitis or other salivary gland inflammation. Cases of suspected mumps should be reported immediately to public health officials.

A multistate investigation has been initiated by CDC and the state health departments in affected states to notify potentially exposed passengers (i.e., those seated in close proximity to the index cases). This investigation is using a new software application, eManifest, developed by the CDC Division of Global Migration and Quarantine (DGMQ) to securely import, sort, and assign passenger-locating information to jurisdictions to facilitate timely identification of exposed persons. These data are securely transmitted to state and territorial health departments via the *Epidemic Information Exchange* (*Epi-X*) Forum (available at http://www.cdc.gov/mmwr/epix/ epix.html) for notification of potentially exposed passengers.

Incidence of mumps in the United States began to decrease after vaccine introduction in 1967 and recommendations for routine vaccination of children in 1977. Since the 1990s, a further decrease in the reported incidence of mumps has occurred, which is thought to be attributable to the implementation of the second dose of measles, mumps, and rubella vaccine (3). The risk for transmission of respiratory infectious diseases during air travel might depend on several factors, including 1) immunity of passengers; 2) infectiousness of the organism; 3) degree of shedding of the pathogen by infected passengers; 4) hygienic practices of infectious passengers; 5) proximity of others to infectious passengers; 6) hygienic practices of the other passengers/crew; 7) flight duration; and 8) cabin environment of the aircraft (4). Transmission of other respiratory pathogens during air travel has been reported (5–9). Exposure and transmission of mumps during commercial air travel has not been described previously.

Reported by: P Quinlisk, MD, Iowa Dept of Public Health. S Redd, G Dayan, MD, National Center for Immunization and Respiratory Diseases; N Gallagher, Geographic Medicine and Health Promotion Br, P Lutz, K Marienau, MD, F Averhoff, MD, Quarantine and Border Health Svcs Br, Div of Global Migration and Quarantine, National Center for Infectious Diseases, CDC.

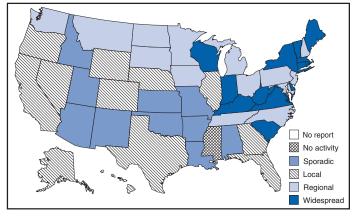
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Update: Influenza Activity — United States, March 26–April 1, 2006

During March 26–April 1, 2006,* the number of states reporting widespread influenza activity[†] decreased to 13. Fourteen states reported regional activity, 12 reported local activity, 10 reported sporadic activity, and one reported no activity (Figure 1).[§]

FIGURE 1. Estimated influenza activity levels reported by state epidemiologists, by state and level of activity* — United States, March 26–April 1, 2006



* Levels of activity are 1) widespread: outbreaks of influenza or increases in influenza-like illness (ILI) cases and recent laboratory-confirmed influenza in at least half the regions of a state; 2) *regional:* outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least two but less than half the regions of a state; 3) *local:* outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in a single region of a state; 4) *sporadic:* small numbers of laboratory-confirmed influenza cases or a single influenza outbreak reported but no increase in cases of ILI; and 5) *no activity.*

^{*} Provisional data reported as of April 7. Additional information about influenza activity is updated each Friday and is available from CDC at http://www.cdc.gov/flu.

[†] Levels of activity are 1) *widespread:* outbreaks of influenza or increases in influenza-like illness (ILI) cases and recent laboratory-confirmed influenza in at least half the regions of a state; 2) *regional:* outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least two but less than half the regions of a state; 3) *local:* outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in a single region of a state; 4) *sporadic:* small numbers of laboratory-confirmed influenza cases of ILI; and 5) *no activity.*

[§] Widespread: Connecticut, Delaware, Indiana, Kentucky, Maine, Massachusetts, New York, Rhode Island, South Carolina, Vermont, Virginia, West Virginia, and Wisconsin; regional: Iowa, Maryland, Michigan, Minnesota, Montana, New Hampshire, New Jersey, North Carolina, North Dakota, Ohio, Pennsylvania, South Dakota, Tennessee, and Washington; local: Alaska, California, Colorado, Florida, Georgia, Hawaii, Illinois, Nebraska, Nevada, Oregon, Texas, and Wyoming; sporadic: Alabama, Arizona, Arkansas, Idaho, Kansas, Louisiana, Missouri, New Mexico, Oklahoma, and Utah; no activity: Mississippi; no report: none.

The percentage of specimens testing positive for influenza decreased in the United States. During the preceding 3 weeks (weeks 11–13), the percentage of specimens testing positive for influenza ranged from 26.6% and 25.7% in the East South Central and South Atlantic regions, respectively, to 12.7% in the Pacific region. During this period, 62.8% of isolates from the Mountain region have been influenza B. Other regions reporting more than 30.0% of recent isolates as influenza B include the East North Central, West North Central, West South Central, and Pacific regions. The percentage of outpatient visits for influenza-like illness (ILI)[¶] during the week ending April 1 remains above the national baseline.** The percentage of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold for the week ending April 1.

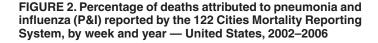
Laboratory Surveillance

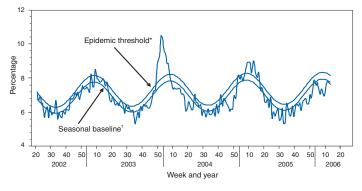
During March 26–April 1, World Health Organization (WHO) collaborating laboratories and National Respiratory and Enteric Virus Surveillance System (NREVSS) laboratories in the United States reported testing 2,790 specimens for influenza viruses, of which 464 (16.6%) were positive. Of these, 47 were influenza A (H3N2) viruses, three were influenza A (H1N1) viruses, 198 were influenza A viruses that were not subtyped, and 216 were influenza B viruses.

Since October 2, 2005, WHO and NREVSS laboratories have tested 114,891 specimens for influenza viruses, of which 14,377 (12.5%) were positive. Of these, 12,500 (86.9%) were influenza A viruses, and 1,877 (13.1%) were influenza B viruses. Of the 12,500 influenza A viruses, 5,096 (40.8%) have been subtyped; 4,837 (94.9%) were influenza A (H3N2) viruses, and 259 (5.1%) were influenza A (H1N1) viruses.

P&I Mortality and ILI Surveillance

During the week ending April 1, P&I accounted for 7.6% of all deaths reported through the 122 Cities Mortality Reporting System. This percentage is below the epidemic threshold^{††} of 8.1% (Figure 2).





* The epidemic threshold is 1.645 standard deviations above the seasonal , baseline.

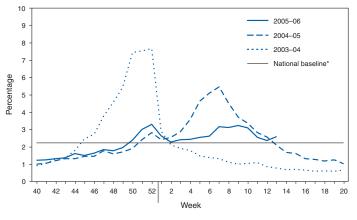
⁺ The seasonal baseline is projected using a robust regression procedure that applies a periodic regression model to the observed percentage of deaths from P&I during the preceding 5 years.

The percentage of patient visits for ILI was 2.6%, which is above the national baseline of 2.2% (Figure 3). The percentage of patient visits for ILI ranged from 1.4% in the East South Central region to 3.3% in the West South Central region.

Pediatric Deaths and Hospitalizations

During October 2, 2005–April 1, 2006, CDC received reports of 21 influenza-associated deaths in U.S. residents aged <18 years. Eighteen of the deaths occurred during the current

FIGURE 3. Percentage of visits for influenza-like illness (ILI) reported by the Sentinel Provider Surveillance Network, by week — United States, 2003–04, 2004–05, and 2005–06 influenza seasons



^{*} The national baseline was calculated as the mean percentage of visits for ILI during noninfluenza weeks for the preceding three seasons, plus two standard deviations. Noninfluenza weeks are those in which <10% of laboratory specimens are positive for influenza. Wide variability in regional data precludes calculating region-specific baselines; therefore, applying the national baseline to regional data is inappropriate.

[§] Temperature of $\geq 100.0^{\circ}F (\geq 37.8^{\circ}C)$ and cough and/or sore throat in the absence of a known cause other than influenza.

^{**} The national baseline was calculated as the mean percentage of visits for ILI during noninfluenza weeks for the preceding three seasons, plus two standard deviations. Noninfluenza weeks are those in which <10% of laboratory specimens are positive for influenza. Wide variability in regional data precludes calculating region-specific baselines; therefore, applying the national baseline to regional data is inappropriate.

^{††} The expected seasonal baseline proportion of P&I deaths reported by the 122 Cities Mortality Reporting System is projected using a robust regression procedure in which a periodic regression model is applied to the observed percentage of deaths from P&I that occurred during the preceding 5 years. The epidemic threshold is 1.645 standard deviations above the seasonal baseline.

influenza season, and three occurred during the 2004-05 influenza season.

During October 1, 2005–March 18, 2006, the preliminary laboratory-confirmed influenza-associated hospitalization rate reported by the Emerging Infections Program^{§§} for children aged 0–17 years was 0.79 per 10,000. For children aged 0–4 years and 5–17 years, the rate was 1.88 per 10,000 and 0.22 per 10,000, respectively. During October 30, 2005–March 18, 2006, the preliminary laboratory-confirmed influenzaassociated hospitalization rate for children aged 0–4 years in the New Vaccine Surveillance Network^{¶¶} was 3.0 per 10,000.

Human Avian Influenza A (H5N1)

No human avian influenza A (H5N1) virus infection has ever been identified in the United States. From December 2003 through April 11, 2006, a total of 193 laboratory-confirmed human avian influenza A (H5N1) infections were reported to WHO from Azerbaijan, Cambodia, China, Egypt, Indonesia, Iraq, Thailand, Turkey, and Vietnam.*** Of these, 109 (56%) were fatal (Table). This represents an increase of one case in Azerbaijan and one case and one death in Cambodia. The majority of infections appear to have been acquired from direct contact with infected poultry. No evidence of sustained human-to-human transmission of H5N1 has been detected, although rare instances of human-to-human transmission likely have occurred (1).

Reference

1. Ungchusak K, Auewarakul P, Dowell SF, et al. Probable person-toperson transmission of avian influenza A (H5N1). N Engl J Med 2005;352:333–40.

| TABLE. Number of laboratory-confirmed human cases and deaths from avian influenza A (H5N1) infection reported to the World Health |
|---|
| Organization, by country — worldwide, 2003–2006* |

| | | | | | Year of | of onset | | | | |
|------------|-----------------|--------|-----------------|--------|-----------------|----------|-----------------|--------|-----------------|--------------|
| | 2 | 2003 | 2 | 004 | 2 | 005 | 2 | 006 | 1 | Total |
| Country | No. of cases | Deaths | No. of cases | Deaths | No. of cases | Deaths | No. of cases | Deaths | No. of cases | Deaths |
| Azerbaijan | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 8 | 5 |
| Cambodia | 0 | 0 | 0 | 0 | 4 | 4 | 2 | 2 | 6 | 6 |
| China | 0 | 0 | 0 | 0 | 8 | 5 | 8 | 6 | 16 | 11 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 4 | 2 |
| Indonesia | 0 | 0 | 0 | 0 | 17 | 11 | 13 | 12 | 30 | 23 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 |
| Thailand | 0 | 0 | 17 | 12 | 5 | 2 | 0 | 0 | 22 | 14 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 4 | 12 | 4 |
| Vietnam | 3 | 3 | 29 | 20 | 61 | 19 | 0 | 0 | 93 | 42 |
| Total | 3 | 3 | 46 | 32 | 95 | 41 | 49 | 33 | 193 | 109 |

* As of April 11, 2006.

^{§§} The Emerging Infections Program Influenza Project conducts surveillance in 60 counties associated with 12 metropolitan areas: San Francisco, California; Denver, Colorado; New Haven, Connecticut; Atlanta, Georgia; Baltimore, Maryland; Minneapolis/St. Paul, Minnesota; Albuquerque, New Mexico; Las Cruces, New Mexico; Albany, New York; Rochester, New York; Portland, Oregon; and Nashville, Tennessee.

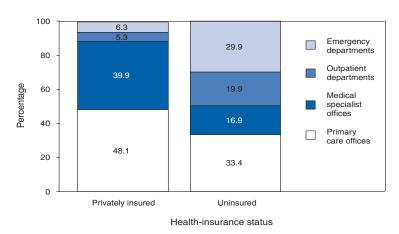
⁵⁵ The New Vaccine Surveillance Network conducts surveillance in Monroe County, New York; Hamilton County, Ohio; and Davidson County, Tennessee.

^{***} Available at http://www.who.int/csr/disease/avian_influenza/en.

QuickStats

FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

Health-Care Visits for Asthma, by Medical Setting and Health-Insurance Status — United States, 2003



The type of medical setting in which persons receive health care for asthma differs for those with private health insurance and those without health insurance. Approximately 30% of medical visits for asthma by persons without health insurance occurred in emergency departments, compared with only 6% of visits by those with private insurance. Asthma is a condition considered to be sensitive to effective primary care and, if controlled, would result in fewer visits to the emergency department.

SOURCE: National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey 2003 public use files. Available at http://www.cdc.gov/nchs/about/major/ahcd/ahcd1.htm.

TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending April 8, 2006 (14th Week)*

| | Current | Cum | 5-year weekly | Total o | ases ren | orted for | r previou | s vears | |
|---|---------|------|----------------------|---------|----------|-----------|-----------|---------|---|
| Disease | week | 2006 | average [†] | 2005 | 2004 | 2003 | 2002 | 2001 | States reporting cases during current week (No.) |
| Anthrax | | 1 | | | | | 2 | 23 | |
| Botulism: | | ' | | | | | 2 | 20 | |
| foodborne | _ | _ | 0 | 18 | 16 | 20 | 28 | 39 | |
| infant | _ | 19 | 1 | 90 | 87 | 76 | 69 | 97 | |
| other (wound & unspecified) | _ | 11 | 0 | 24 | 30 | 33 | 21 | 19 | |
| Brucellosis | _ | 19 | 2 | 121 | 114 | 104 | 125 | 136 | |
| Chancroid | 2 | 11 | 1 | 27 | 30 | 54 | 67 | 38 | NY (1), SC (1) |
| Cholera | _ | _ | 0 | 6 | 5 | 2 | 2 | 3 | |
| Cyclosporiasis§ | _ | 11 | 2 | 737 | 171 | 75 | 156 | 147 | |
| Diphtheria | _ | _ | _ | _ | _ | 1 | 1 | 2 | |
| Domestic arboviral diseases ^{§1} : | | | | | | | | | |
| California serogroup | _ | _ | 0 | 78 | 112 | 108 | 164 | 128 | |
| eastern equine | _ | _ | _ | 21 | 6 | 14 | 10 | 9 | |
| Powassan | _ | _ | _ | 1 | 1 | _ | 1 | N | |
| St. Louis | _ | _ | 0 | 10 | 12 | 41 | 28 | 79 | |
| western equine | _ | _ | _ | _ | _ | _ | _ | _ | |
| Ehrlichiosis [§] : | | | | | | | | | |
| human granulocytic | 1 | 10 | 2 | 733 | 537 | 362 | 511 | 261 | NY (1) |
| human monocytic | 1 | 42 | 1 | 459 | 338 | 321 | 216 | 142 | NC (1) |
| human (other & unspecified) | _ | 2 | 0 | 122 | 59 | 44 | 23 | 6 | |
| Haemophilus influenzae,** | | | | | | | | | |
| invasive disease (age <5 yrs): | | | | | | | | | |
| serotype b | _ | 2 | 0 | 8 | 19 | 32 | 34 | _ | |
| nonserotype b | — | 22 | 3 | 118 | 135 | 117 | 144 | _ | |
| unknown serotype | 3 | 57 | 4 | 218 | 177 | 227 | 153 | _ | NY (1), AZ (1), UT (1) |
| Hansen disease§ | 2 | 12 | 2 | 86 | 105 | 95 | 96 | 79 | FL (1), TX (1) |
| Hantavirus pulmonary syndrome§ | — | 5 | 0 | 22 | 24 | 26 | 19 | 8 | |
| Hemolytic uremic syndrome, postdiarrheal§ | — | 13 | 2 | 206 | 200 | 178 | 216 | 202 | |
| Hepatitis C viral, acute | 4 | 194 | 35 | 795 | 713 | 1,102 | 1,835 | 3,976 | NY (2), FL (1), TX (1) |
| HIV infection, pediatric (age <13 yrs)§†† | — | 52 | 4 | 380 | 436 | 504 | 420 | 543 | |
| Influenza-associated pediatric mortality ^{§,§§,¶¶} | 3 | 17 | 1 | 50 | _ | N | N | N | NM (1), NYC (1), WY (1) |
| Listeriosis | 9 | 125 | 9 | 871 | 753 | 696 | 665 | 613 | NY (3), OH (1), DC (1), FL (2), TX (1), CA (1) |
| Measles | — | 4* | ** 2 | 64 | 37 | 56 | 44 | 116 | |
| Meningococcal disease, ^{†††} invasive: | | | | | | | | | |
| A, C, Y, & W-135 | 2 | 67 | 6 | 301 | _ | _ | _ | _ | NC (2) |
| serogroup B | — | 43 | 3 | 179 | _ | _ | _ | — | |
| other serogroup | — | 7 | 1 | 25 | _ | _ | _ | _ | |
| Mumps | 34 | 407 | 5 | 298 | 258 | 231 | 270 | 266 | NY (1), PA (1), IN (1), MN (2), IA (4), MO (1), KS (24) |
| Plague | — | 1 | — | 7 | 3 | 1 | 2 | 2 | |
| Poliomyelitis, paralytic | _ | | _ | 1 | | | | | |
| Psittacosis [§] | _ | 1 | 0 | 23 | 12 | 12 | 18 | 25 | |
| Q fever [§] | — | 29 | 1 | 127 | 70 | 71 | 61 | 26 | |
| Rabies, human | — | | 0 | 2 | 7 | 2 | 3 | 1 | |
| Rubella | _ | 1 | 0 | 10 | 10 | 7 | 18 | 23 | |
| Rubella, congenital syndrome | — | _ | 0 | 1 | _ | 1 | 1 | 3 | |
| SARS-CoV ^{§,§§} | — | _ | 0 | _ | — | 8 | N | N | |
| Smallpox [§] | | | | | | | | | - |
| Streptococcal toxic-shock syndrome [§] Streptococcus pneumoniae, [§] | 1 | 36 | 4 | 104 | 132 | 161 | 118 | 77 | OH (1) |
| invasive disease (age <5 yrs) | 19 | 292 | 16 | 1,123 | 1,162 | 845 | 513 | 498 | NY (8), OH (1), IN (5), MI (2), MN (3) |
| Syphilis, congenital (age <1 yr) | _ | 49 | 8 | 341 | 353 | 413 | 412 | 441 | |
| Tetanus | _ | 3 | 0 | 20 | 34 | 20 | 25 | 37 | |
| Toxic-shock syndrome (other than streptococca | al)§ — | 32 | 2 | 90 | 95 | 133 | 109 | 127 | |
| Trichinellosis | — | 2 | 0 | 21 | 5 | 6 | 14 | 22 | |
| Tularemia [§] | _ | 3 | 0 | 137 | 134 | 129 | 90 | 129 | |
| Typhoid fever | 3 | 52 | 5 | 306 | 322 | 356 | 321 | 368 | MI (1), CA (2) |
| Vancomycin-intermediate Staphylococcus aure | eus§ — | _ | _ | 2 | _ | Ν | N | N | |
| Vancomycin-resistant Staphylococcus aureus§ | _ | — | _ | _ | 1 | Ν | 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.

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[¶] 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, 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.

11 Of the 22 cases reported since October 2, 2005 (week 40), only 20 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.

| | | | Chlamyd | lia† | | | | ioidomy | cosis | | | | tosporid | iosis | |
|---|--|---|---|--|--|-------------------------|--|---|-------------------------------------|---------------------------------------|------------------------------------|--|--|---|---|
| | Current | | vious veeks | Cum | Cum | Current | Previo 52 we | | Cum | Cum | Current | Previe 52 we | | Cum | Cum |
| Reporting area | week | Med | Мах | 2006 | 2005 | week | Med | Max | 2006 | 2005 | week | Med | Max | 2006 | 2005 |
| United States | 11,670 | 18,459 | 25,273 | 226,078 | 254,670 | 89 | 109 | 1,203 | 2,316 | 1,163 | 42 | 70 | 852 | 603 | 491 |
| New England Connecticut Maine Massachusetts New Hampshire Rhode Island | 648 64 61 418 79 | 630 161 41 277 34 65 | 1,536 1,199 74 441 64 99 | 7,641 1,293 557 4,126 415 907 | 7,123 946 617 3,832 520 923 | N N | 0 0 0 0 0 | 0 0 0 0 0 | N N | N N | 1 1 | 4 0 2 0 0 | 34 14 3 15 3 6 | 35 4 8 16 5 — | 26 4 7 4 1 |
| Vermont [§] | 26 | 18 | 43 | 343 | 285 | N | 0 | 0 | N | N | _ | 0 | 5 | 2 | 6 |
| Mid. Atlantic New Jersey New York (Upstate) New York City Pennsylvania | 1,387 | 2,179 355 498 620 716 | 3,712 526 1,728 1,136 1,084 | 21,954 3,016 5,546 3,363 10,029 | 30,178 4,789 5,433 10,082 9,874 | | 0 0 0 0 | 0 0 0 0 | N N N | N N N | 7 5 2 | 10 0 3 2 4 | 598 8 562 15 21 | 84 26 7 51 | 74 6 17 23 28 |
| E.N. Central Illinois Indiana Michigan Ohio Wisconsin | 1,937 610 177 1,024 126 | 3,219 964 390 585 815 399 | 4,140 1,784 553 1,959 1,445 531 | 43,888 10,869 5,330 13,925 8,521 5,243 | 41,875 10,835 5,490 6,778 13,256 5,516 | 1 N 1 N | 0 0 0 0 0 | 3 0 3 1 0 | 10 6 N | 2 | 2 — 1 1 | 14 1 2 5 4 | 162 16 13 7 109 38 | 123 8 9 25 57 24 | 99 15 5 13 29 37 |
| W.N. Central lowa Kansas Minnesota Missouri Nebraska [§] North Dakota South Dakota | 524 115 172 202 35 | 1,116 143 151 226 434 97 31 52 | 1,449 225 269 294 525 175 50 118 | 14,500 2,211 2,268 2,301 5,374 1,290 362 694 | 15,938 1,856 2,055 3,444 6,066 1,404 366 747 | N N N N N | 0 0 0 0 0 0 0 | 1 0 0 1 1 0 0 | N N N N N N N N N N | 3 N 3 N N N N N | 16 11 | 8 1 2 2 0 0 0 | 51 11 5 10 37 2 1 4 | 88 5 14 41 21 3 | 65 14 7 16 26 — 2 |
| S. Atlantic Delaware District of Columbia Florida Georgia Maryland [§] North Carolina South Carolina [§] Virginia [§] West Virginia | 2,688 60 35 579 21 344 655 541 387 66 | 3,245 70 63 867 571 358 557 312 425 49 | 4,942 92 102 1,037 2,062 525 1,743 1,418 841 353 | 43,168 1,008 547 12,024 3,899 4,833 9,444 4,554 5,673 1,186 | 48,298 868 1,061 11,899 7,789 4,627 9,095 5,922 6,439 598 | X X Z Z Z Z | 0 0 0 0 0 0 0 0 0 0 | 1 0 0 1 0 0 0 0 0 | 2 N N 2 N N N | N N N N N N N N N N | 8 - 3 3 - 2 - | 14 0 6 3 0 1 0 1 0 | 53 2 3 28 12 4 10 4 8 3 | 176 5 65 58 7 25 4 11 1 | 93 |
| E.S. Central Alabama [§] Kentucky Mississippi Tennessee [§] | 697 214 483 | 1,376 352 153 379 466 | 2,188 1,048 323 801 624 | 18,230 4,925 2,557 3,902 6,846 | 18,444 2,817 3,410 5,995 6,222 | N N N | 0 0 0 0 | 0 0 0 0 | N N N | N N N | 1 1 — — | 3 0 1 0 1 | 21 3 20 1 4 | 14 7 3 | 8 4 1 1 2 |
| W.S. Central Arkansas Louisiana Oklahoma Texas [§] | 1,437 | 1,979 168 221 226 1,329 | 3,374 340 760 2,160 1,699 | 24,506 1,967 1,521 2,730 18,288 | 31,328 2,370 4,946 2,809 21,203 | N N N | 0 0 0 0 | 1 0 1 0 0 | N N N | N N N | 4 — — 4 | 3 0 0 1 | 30 1 21 10 20 | 44 2 4 11 27 | 18 6 9 |
| Mountain Arizona Colorado Idaho [§] Montana Nevada [§] New Mexico [§] Utah Wyoming | 634 345 132 | 1,088 311 273 45 42 134 159 86 23 | 1,705 536 482 235 181 448 337 138 43 | 11,589 4,417 1,741 450 435 1,102 2,533 639 272 | 16,734 5,977 4,062 502 627 1,991 2,090 1,183 302 | 68 68 N N | 80 78 0 0 1 0 0 0 0 | 229 225 0 0 4 2 3 2 | 1,853 1,829 N N 14 | 693 662 N N 24 5 2 | 3 1 1 - - - | 2 0 1 0 0 0 0 0 0 | 9 1 3 2 3 1 3 3 1 | 21 2 5 2 5 1 6 | 34 3 10 3 - 5 7 4 2 |
| Pacific Alaska California Hawaii Oregon [§] Washington | 1,718 41 1,142 — 121 414 | 3,179 77 2,470 106 174 356 | 4,915 121 4,149 135 315 604 | 40,602 901 31,123 1,378 2,196 5,004 | 44,752 1,023 34,614 1,436 2,410 5,269 | 20 20 N N N | 27 0 27 0 0 | 1,114 0 1,114 0 0 0 | 451 451 N N N | 465 465 N N N | | 6 0 3 0 1 0 | 50 2 14 1 20 36 | 18 18 | 74 |
| American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands | U U — | 0 0 0 77 4 | 0 0 141 8 | U U 1,185 — | U 04 1,114 108 | U U N | 0 0 0 0 | 0 0 0 0 | U U N | U U N | U U N | 0 0 0 0 | 0 0 0 0 | U U N | U U N |

Max: Maximum.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending April 8, 2006, and April 9, 2005 (14th Week)*

Med: Median. Cum: Cumulative year-to-date counts.

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-or * Incidence data for reporting years 2005 and 2006 are provisional. * Chlamydia refers to genital infections caused by *Chlamydia trachomatis*. * Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

| (14th Week)* | | | | | | | | | | | Нае | mophilu | s influen | zae, invas | ive |
|---|--------------------|------------|------------|----------------------|----------------------|-------------|-----------------|--------------|-----------------------|-----------------|---------|----------------|-------------|--------------------|-------------|
| | | | | | | | | onorrhe | a | | | | es, all ser | otypes | |
| | | 52 w | eeks | | Cum | Current | Previe 52 we | eks | Cum | Cum | Current | Previ 52 we | eks | Cum | Cum |
| Reporting area United States | week 187 | Med 318 | Max 786 | 2006 3,350 | 2005 4,188 | 3,562 | Med 6,313 | Max 8,261 | 2006 78,824 | 2005 85,101 | 27 | Med 36 | Max 101 | 2006 541 | 2005 711 |
| New England | 5 | 29 | 90 | 235 | 363 | 3,302 86 | 105 | 285 | 1,248 | 1,320 | | 30 | 12 | 34 | 47 |
| Connecticut Maine | _ | 2 3 | 65 11 | 46 16 | 86 41 | 15 6 | 40 2 | 238 6 | 342 38 | 326 39 | _ | 0 | 8 1 | 8 4 | 15 2 |
| Massachusetts | 3 | 11 | 34 | 116 | 164 | 53 | 48 | 78 | 664 | 765 | _ | 2 | 5 | 17 | 20 |
| New Hampshire Rhode Island | _2 | 0 0 | 7 25 | 8 13 | 13 21 | 2 10 | 4 7 | 9 25 | 61 128 | 34 145 | _ | 0 0 | 3 5 | 2 1 | 6 |
| Vermont [†] | — | 3 | 9 | 36 | 38 | _ | 1 | 4 | 15 | 11 | — | 0 | 1 | 2 | 4 |
| Mid. Atlantic New Jersey | 37 | 64 7 | 255 18 | 500 3 | 794 139 | 325 | 621 105 | 1,022 150 | 6,405 1,012 | 8,710 1,511 | 6 | 7 1 | 30 4 | 95 1 | 119 19 |
| New York (Upstate) New York City | 26 | 22 16 | 228 33 | 219 103 | 225 233 | 137 64 | 123 161 | 455 402 | 1,515 843 | 1,669 2,597 | 5 | 2 1 | 27 4 | 34 10 | 34 22 |
| Pennsylvania | 11 | 16 | 29 | 175 | 197 | 124 | 217 | 390 | 3,035 | 2,933 | 1 | 3 | 8 | 50 | 44 |
| E.N. Central | 23 | 55 13 | 102 32 | 474 24 | 664 177 | 575 196 | 1,358 393 | 1,901 761 | 19,116 4,193 | 15,915 4,072 | 5 | 6 1 | 14 5 | 71 14 | 117 34 |
| Illinois Indiana | Ν | 0 | 0 | N | N | 59 | 161 | 229 | 2,327 | 2,120 | 2 | 1 | 6 | 14 | 19 |
| Michigan Ohio | 6 17 | 14 16 | 29 34 | 163 206 | 182 148 | 282 | 260 380 | 824 681 | 6,862 3,949 | 2,252 5,972 | 3 | 0 2 | 3 6 | 13 24 | 8 44 |
| Wisconsin | | 12 | 33 | 81 | 157 | 38 | 120 | 171 | 1,785 | 1,499 | _ | 1 | 3 | 6 | 12 |
| W.N. Central Iowa | 5 | 34 5 | 142 14 | 319 54 | 493 61 | 145 19 | 362 31 | 461 54 | 4,460 439 | 4,994 405 | _ | 1 0 | 9 0 | 26 | 31 1 |
| Kansas | 1 | 4 | 9 | 39 | 43 | 41 | 48 | 124 | 645 | 686 | — | 0 | 2 | 3 | 1 |
| Minnesota Missouri | 2 | 13 10 | 113 32 | 77 108 | 226 111 | 84 | 63 181 | 89 240 | 557 2.400 | 944 2,516 | _ | 0 0 | 9 7 | 10 11 | 13 12 |
| Nebraska† North Dakota | 1 | 1 0 | 6 3 | 20 3 | 29 1 | — | 22 2 | 55 6 | 307 20 | 329 22 | — | 0 0 | 1 2 | 2 | 3 1 |
| South Dakota | _ | 2 | 7 | 18 | 22 | 1 | 6 | 15 | 92 | 92 | _ | 0 | 0 | _ | _ |
| S. Atlantic | 48 | 50 | 111 | 693 | 636 | 1,038 | 1,451 | 2,285 | 18,100 | 20,816 | 7 | 9 | 25 | 143 | 184 |
| Delaware District of Columbia | 1 | 1 1 | 3 5 | 6 16 | 14 12 | 27 28 | 19 40 | 44 67 | 401 400 | 198 556 | _ | 0 0 | 0 0 | _ | _ |
| Florida Georgia | 11 36 | 19 10 | 40 70 | 241 258 | 222 163 | 266 13 | 399 262 | 513 913 | 5,468 1,724 | 5,148 3.448 | 1 4 | 3 1 | 12 6 | 47 31 | 46 48 |
| Maryland [†] | — | 4 | 11 | 46 | 44 | 118 | 134 | 242 | 1,912 | 1,815 | _ | 1 | 5 | 17 | 29 |
| North Carolina South Carolina [†] | | 0 1 | 0 9 | N 21 | N 29 | 269 222 | 274 131 | 766 783 | 4,376 1,974 | 4,612 2,561 | 1 | 0 1 | 11 3 | 15 11 | 24 6 |
| Virginia† West Virginia | _ | 11 0 | 50 6 | 103 2 | 144 8 | 78 17 | 149 14 | 289 34 | 1,583 262 | 2,303 175 | 1 | 1 0 | 8 4 | 15 7 | 18 13 |
| E.S. Central | 5 | 8 | 19 | 95 | 99 | 268 | 541 | 868 | 7,104 | 6,956 | 1 | 2 | 8 | 36 | 33 |
| Alabama [†] Kentucky | 5 N | 3 0 | 13 0 | 47 N | 49 N | | 183 53 | 491 107 | 2,249 895 | 1,789 1,049 | _ | 0 0 | 4 3 | 10 | 6 1 |
| Mississippi | _ | 0 | 0 | — | — | _ | 129 | 225 | 1,472 | 1,813 | _ | 0 | 0 | | _ |
| Tennessee [†] W.S. Central | - 1 | 4 6 | 11 23 | 48 55 | 50 59 | 197 570 | 173 791 | 284 1,304 | 2,488 9.741 | 2,305 12,291 | 1 | 2 2 | 5 6 | 26 28 | 26 42 |
| Arkansas | _ | 2 | 5 | 18 | 20 | _ | 86 | 187 | 1,136 | 1,201 | | 0 | 2 | 2 | _ |
| Louisiana Oklahoma | 1 | 1 3 | 6 16 | 15 22 | 8 31 | 61 91 | 129 81 | 461 763 | 1,006 924 | 2,628 1,252 | 1 | 0 1 | 3 4 | 4 22 | 22 20 |
| Texas [†] | Ň | 0 | 0 | N | N | 418 | 494 | 630 | 6,675 | 7,210 | _ | 0 | 1 | _ | _ |
| Mountain Arizona | 17 2 | 27 2 | 58 12 | 309 38 | 311 51 | 126 84 | 226 69 | 519 166 | 2,648 1,026 | 3,488 1,260 | 6 4 | 4 1 | 10 9 | 77 33 | 87 36 |
| Colorado | 7 | 9 | 33 | 118 | 106 | 32 | 61 | 90 | 516 | 821 | _ | 0 | 5 | 22 | 20 |
| Idaho† Montana | 1 1 | 2 1 | 12 7 | 20 18 | 32 9 | 1 | 1 2 | 10 13 | 25 23 | 21 41 | _ | 0 0 | 1 0 | 1 | _2 |
| Nevada† New Mexico† | _ | 2 1 | 6 6 | 9 7 | 21 14 | 9 | 53 29 | 195 64 | 433 440 | 760 380 | _ | 0 0 | 1 3 | 10 | 10 11 |
| Utah | 6 | 7 | 20 | 94 | 74 | _ | 14 | 22 | 144 | 189 | 2 | 0 | 4 | 10 | 7 |
| Wyoming Pacific | | 1 60 | 2 189 | 5 670 | 4 769 | 429 | 2 792 | 6 941 | 41 10,002 | 16 10.611 | - 1 | 0 3 | 2 20 | 1 31 | 1 51 |
| Alaska | 1 | 2 | 6 | 6 | 16 | 11 | 10 | 23 | 118 | 136 | 1 | 0 | 19 | 3 | 2 |
| California Hawaii | 35 | 42 1 | 95 6 | 501 13 | 613 21 | 288 | 646 19 | 807 36 | 8,203 251 | 8,862 262 | _ | 1 0 | 7 2 | 3 3 | 13 2 |
| Oregon [†] Washington | 1 9 | 8 6 | 21 88 | 97 53 | 78 41 | 17 113 | 28 72 | 58 142 | 297 1,133 | 436 915 | _ | 2 0 | 8 4 | 21 1 | 34 |
| American Samoa | 9 U | 0 | 00 | 53 U | 41 U | U | 0 | 0 | 1,133 U | 915 U | U | 0 | 4 | U | U |
| C.N.M.I. | Ŭ | 0 0 | 0 | Ŭ | Ū | Ŭ | 0 0 | 0 0 | Ŭ | U | Ū | 0 | 0 | Ū | Ŭ |
| Guam Puerto Rico | _ | 3 | 0 14 | 3 | 38 | _ | 6 | 16 | 92 | 1 116 | _ | 0 0 | 0 1 | _ | _ |
| U.S. Virgin Islands | — | 0 | 0 | — | — | — | 0 | 4 | _ | 35 | _ | 0 | 0 | — | — |

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending April 8, 2006, and April 9, 2005 (14th Week)*

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-* Incidence data for reporting years 2005 and 2006 are provisional. * Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Cum: Cumulative year-to-date counts. Max: Maximum. Med: Median.

| (14th Week)* | , | | | Hon | atitic (viral | , acute), by | type | | | • • | | | | | |
|------------------------------------|-----------------|-------------|-------------|-------------|---------------|-----------------|---------|------------|-------------|-------------|-----------------|---------------------|-------------|-------------|-------------|
| | | | A | пер | anns (virai | , acute), by | type | В | | | | Le | egionello | sis | |
| | | | vious | | | | Previo | | | | | Prev | | | |
| Reporting area | Current week | 52 w Med | eeks Max | Cum 2006 | Cum 2005 | Current week | 52 wee | eks Max | Cum 2006 | Cum 2005 | Current week | <u>52 we</u> Med | eeks Max | Cum 2006 | Cum 2005 |
| United States | 44 | 79 | 216 | 918 | 1,103 | 36 | 95 | 496 | 1,010 | 1,439 | 18 | 41 | 114 | 293 | 283 |
| New England | _ | 7 | 23 | 58 | 138 | _ | 4 | 11 | 39 | 72 | _ | 2 | 11 | 13 | 15 |
| Connecticut | _ | 1 | 3 2 | 9 3 | 19 | _ | 0 0 | 5 2 | 2 | 15 4 | _ | 0 0 | 8 1 | 4 1 | 3 |
| Maine Massachusetts | _ | 0 5 | 2 14 | 28 | 98 | _ | 3 | 10 | 32 | 48 | _ | 1 | 5 | 6 | 1 8 |
| New Hampshire Rhode Island | _ | 1 0 | 12 4 | 12 1 | 16 5 | _ | 0 | 3 2 | 4 1 | 4 | _ | 0 0 | 1 10 | 1 | 2 1 |
| Vermont [†] | _ | 0 | 2 | 5 | _ | _ | 0 | 1 | _ | 1 | _ | 0 | 3 | 1 | _ |
| Mid. Atlantic | 4 | 12 | 23 | 42 | 197 | 4 | 10 | 34 | 85 | 188 | 2 | 11 | 53 | 78 | 80 |
| New Jersey New York (Upstate) | 1 | 3 1 | 11 22 | 10 12 | 39 25 | 3 | 2 1 | 7 23 | 24 15 | 43 25 | 2 | 1 4 | 12 30 | 5 33 | 11 20 |
| New York City | _ | 4 | 12 | 5 | 99 | — | 2 | 7 | 5 | 45 | _ | 2 | 20 | 4 | 8 |
| Pennsylvania | 3 | 1 | 6 | 15 | 34 | 1 | 3 | 9 | 41 | 75 | _ | 5 | 17 | 36 | 41 |
| E.N. Central Illinois | 3 | 6 1 | 17 9 | 70 11 | 115 41 | 3 | 9 2 | 25 7 | 78 | 151 43 | 7 | 7 1 | 26 5 | 50 7 | 68 11 |
| Indiana | 1 | 1 | 10 | 4 | 5 | 2 | 0 | 15 | 7 | 5 | — | 0 | 6 | 2 | 4 |
| Michigan Ohio | 1 | 2 1 | 11 4 | 33 21 | 30 23 | 1 | 3 2 | 7 8 | 40 29 | 52 44 | 7 | 2 3 | 6 19 | 13 28 | 18 28 |
| Wisconsin | — | 0 | 5 | 1 | 16 | — | 0 | 6 | 2 | 7 | — | 0 | 2 | — | 7 |
| W.N. Central Iowa | 2 | 2 0 | 31 2 | 33 3 | 36 7 | _ | 5 0 | 13 2 | 26 1 | 59 3 | _ | 1 0 | 12 1 | 7 | 9 |
| Kansas | _ | 0 | 5 | 15 | 4 | _ | 0 | 3 | 2 | 7 | _ | 0 | 1 | _ | 1 |
| Minnesota Missouri | 2 | 0 | 31 2 | 1 9 | 3 20 | _ | 0 3 | 6 8 | 1 22 | 38 | _ | 0 0 | 10 3 | 5 | 1 6 |
| Nebraska† | | 0 | 3 | 3 | 20 | _ | 0 | 2 | | 10 | _ | 0 | 2 | 2 | _ |
| North Dakota South Dakota | _ | 0 0 | 0 1 | 2 | _ | _ | 0 | 0 1 | _ | 1 | _ | 0 0 | 1 6 | _ | 1 |
| S. Atlantic | 7 | 13 | 33 | 155 | 153 | 13 | 22 | 61 | 268 | 417 | 7 | 9 | 21 | 83 | 59 |
| Delaware | _ | 0 | 1 | 4 | 2 | _ | 0 | 4 | 6 | 11 | _ | 0 | 4 | 1 | 1 |
| District of Columbia Florida | 3 | 0 5 | 2 18 | 1 57 | 2 60 | 9 | 0 9 | 4 21 | 4 114 | 146 | 2 3 | 0 2 | 2 8 | 3 38 | 1 21 |
| Georgia | _ | 1 | 6 | 11 | 26 | 4 | 2 | 7 | 24 | 70 | _ | 0 | 3 | 3 | 4 |
| Maryland† North Carolina | 4 | 2 0 | 7 20 | 23 38 | 12 24 | _ | 2 0 | 8 23 | 39 49 | 49 42 | 2 | 2 0 | 9 3 | 18 11 | 17 7 |
| South Carolina [†] | — | 1 | 3 11 | 6 14 | 5 | _ | 2 2 | 9 18 | 13 8 | 39 53 | _ | 0 1 | 2 8 | 1 7 | 1 4 |
| Virginia† West Virginia | _ | 0 | 2 | 14 | 22 | _ | 2 | 14 | 11 | 53 | _ | 0 | 3 | 1 | 4 |
| E.S. Central | _ | 4 | 16 | 31 | 47 | 1 | 6 | 20 | 71 | 113 | _ | 1 | 6 | 7 | 7 |
| Alabama [†] Kentucky | _ | 0 0 | 6 4 | 2 13 | 6 3 | _ | 1 | 7 5 | 22 18 | 22 25 | _ | 0 0 | 2 4 | 1 | 5 1 |
| Mississippi | _ | 0 | 2 | 1 | 10 | _ | 1 | 4 | 4 | 24 | _ | 0 | 1 | _ | _ |
| Tennessee [†] | _ | 2 | 13 | 15 | 28 | 1 | 2 | 12 | 27 | 42 | _ | 1 | 4 | 6 | 1 |
| W.S. Central Arkansas | _ | 9 0 | 52 7 | 60 15 | 84 2 | _ | 14 1 | 283 3 | 264 4 | 126 19 | _ | 1 0 | 26 1 | 8 | 2 1 |
| Louisiana | _ | 1 | 5 | 2 | 18 | _ | 1 | 6 | 6 | 23 | _ | 0 | 2 | 4 | _ |
| Oklahoma Texas† | _ | 0 6 | 2 49 | 4 39 | 1 63 | _ | 0 11 | 5 281 | 1 253 | 13 71 | _ | 0 0 | 3 26 | 1 3 | 1 |
| Mountain | _ | 6 | 21 | 88 | 107 | 2 | 8 | 39 | 67 | 139 | 1 | 1 | 8 | 15 | 23 |
| Arizona Colorado | — | 3 1 | 20 4 | 58 15 | 58 8 | 2 | 5 1 | 34 5 | 41 9 | 92 10 | _ | 0 0 | 3 3 | 7 1 | 5 4 |
| Idaho† | _ | 0 | 4 | 3 | 10 | _ | 0 | 2 | 9 | 3 | _ | 0 | 2 | _ | 4 |
| Montana Nevada† | — | 0 0 | 1 2 | 1 3 | 6 6 | _ | 0 1 | 7 4 | 9 | 10 | _ | 0 0 | 1 2 | 3 | 1 5 |
| New Mexico [†] | _ | 0 | 3 | 5 | 6 | _ | 0 | 3 | 1 | 8 | _ | Ō | 1 | _ | 2 |
| Utah Wyoming | _ | 0 0 | 3 0 | 3 | 12 1 | _ | 0 | 5 1 | 3 | 15 1 | 1 | 0 0 | 2 1 | 4 | 3 2 |
| Pacific | 28 | 15 | 150 | 381 | 226 | 13 | 10 | 56 | 112 | 174 | 1 | 1 | 9 | 32 | 20 |
| Alaska | _ | 0 | 1 | _ | 3 | _ | 0 | 2 | 1 | 1 | _ | 0 | 1 | _ | _ |
| California Hawaii | 27 | 14 0 | 149 2 | 356 5 | 191 6 | 12 | 6 0 | 39 1 | 88 1 | 126 1 | 1 | 1 0 | 9 1 | 32 | 20 |
| Oregon [†] | _ | 1 | 5 | 11 | 11 | 1 | 2 | 6 | 14 | 33 | N | 0 | 0 | Ν | Ν |
| Washington | 1 | 1 | 11 | 9 | 15 | | 0 | 13 | 8 | 13 | _ | 0 | 0 | | _ |
| American Samoa C.N.M.I. | U U | 0 0 | 1 0 | U U | U | U U | 0 0 | 0 0 | U U | U | U U | 0 0 | 0 0 | U U | U U |
| Guam | _ | 0 | 0 | — | _ | _ | 0 | 0 | _ | _ | — | 0 | 0 | _ | — |
| Puerto Rico U.S. Virgin Islands | _ | 0 0 | 6 0 | 3 | 17 | _ | 1 0 | 6 0 | 3 | 5 | _ | 0 0 | 0 0 | _ | _ |
| 0 | | - | - | | | | - | - | | | | - | - | | |

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending April 8, 2006, and April 9, 2005 (14th Week)*

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-* Incidence data for reporting years 2005 and 2006 are provisional. * Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

Max: Maximum.

| (14th Week)* | | | 1 | | | | | | Mated | | |
|---|---------|---------|--------------------|---------|---------|----|--------|--------|---------|---------|----------|
| | | Dro | Lyme dise vious | ase | | | | Prev | Malaria | | |
| | Current | | veeks | Cum | Cum | Cu | rrent | | eeks | Cum | Cum |
| Reporting area | week | Med | Max | 2006 | 2005 | w | eek | Med | Max | 2006 | 2005 |
| United States | 147 | 299 | 1,337 | 1,227 | 1,757 | | 11 | 24 | 64 | 229 | 297 |
| New England | 3 | 50 | 232 | 64 | 149 | | _ | 1 | 12 | 8 | 11 |
| Connecticut Maine | 3 | 9 2 | 154 26 | 41 7 | 6 10 | | _ | 0 0 | 10 1 | 1 | _ |
| Massachusetts | _ | 18 | 164 | 1 | 115 | | | 0 | 4 | 5 | 8 |
| New Hampshire | — | 3 | 17 | 14 | 16 | | _ | 0 | 1 | — | 2 |
| Rhode Island Vermont [†] | _ | 0 0 | 12 5 | 1 | 1 1 | | _ | 0 0 | 2 2 | 1 | 1 |
| Mid. Atlantic | 135 | 170 | 915 | 833 | 1,136 | | _ | 5 | 15 | 29 | 74 |
| New Jersey | | 25 | 309 | 109 | 377 | | _ | 0 | 7 | _ | 18 |
| New York (Upstate) New York City | 132 | 66 0 | 859 0 | 472 | 190 | | _ | 1 3 | 10 8 | 7 14 | 14 35 |
| Pennsylvania | 3 | 61 | 464 | 252 | 569 | | _ | 1 | 2 | 8 | 7 |
| E.N. Central | _ | 13 | 157 | 32 | 75 | | 2 | 2 | 6 | 31 | 24 |
| Illinois | — | 0 | 6 | — | 1 | | _ | 0 | 2 | 7 | 7 |
| Indiana Michigan | _ | 0 1 | 4 7 | 6 | 2 1 | | | 0 0 | 3 2 | 5 4 | 3 7 |
| Ohio | _ | 1 | 5 | 5 | 14 | | 2 | 0 | 3 | 11 | 3 |
| Wisconsin | — | 10 | 148 | 21 | 57 | | | 0 | 3 | 4 | 4 |
| W.N. Central | 5 | 12 | 99 | 31 | 41 | | _ | 0 | 5 | 5 | 9 |
| lowa Kansas | _ | 1 0 | 8 3 | 1 | 5 2 | | _ | 0 0 | 1 | 1 | 2 1 |
| Minnesota | 5 | 8 | 96 | 28 | 34 | | _ | 0 | 3 | 2 | 1 |
| Missouri | | 0 | 2 | 1 | _ | | | 0 | 3 | 1 | 5 |
| Nebraska [†] North Dakota | _ | 0 0 | 2 0 | 1 | _ | | | 0 0 | 2 0 | _ | _ |
| South Dakota | _ | 0 | 1 | _ | _ | | _ | 0 | 1 | 1 | _ |
| S. Atlantic | _ | 34 | 125 | 195 | 313 | | | 6 | 15 | 79 | 63 |
| Delaware | — | 9 | 37 | 71 | 112 | | _ | 0 | 1 | 1 | 1 |
| District of Columbia Florida | _ | 0 1 | 2 8 | 5 11 | 1 9 | | _ | 0 1 | 2 6 | 10 | 1 13 |
| Georgia | _ | Ó | 1 | | 1 | | | 1 | 6 | 22 | 9 |
| Maryland [†] | — | 16 | 87 | 97 | 150 | | _ | 1 | 9 | 21 | 20 |
| North Carolina South Carolina [†] | _ | 0 0 | 5 3 | 8 2 | 14 4 | | | 0 0 | 8 2 | 9 3 | 8 3 |
| Virginia [†] | — | 3 | 21 | 1 | 22 | | | 0 | 9 | 12 | 7 |
| West Virginia | — | 0 | 42 | — | _ | | _ | 0 | 2 | 1 | 1 |
| E.S. Central | — | 0 | 4 1 | _ | 5 | | 1 1 | 1 0 | 2 1 | 6 3 | 7 2 |
| Alabama [†] Kentucky | _ | 0 | 1 | _ | 1 | | _ | 0 | 2 | 3 | 2 |
| Mississippi | _ | 0 | 0 | — | | | _ | 0 | 0 | _ | |
| Tennessee [†] | — | 0 | 4 | _ | 4 | | | 0 | 2 | 2 | 3 |
| W.S. Central | — | 1 | 7 | 1 | 18 | | 1 | 1 | 21 | 9 | 31 |
| Arkansas Louisiana | _ | 0 0 | 2 1 | _ | 2 | | _ | 0 0 | 2 1 | _ | 2 1 |
| Oklahoma | — | 0 | 0 | _ | | | | 0 | 6 | 1 | 2 |
| Texas [†] | _ | 1 | 7 | 1 | 16 | | 1 | 1 | 20 | 8 | 26 |
| Mountain Arizona | _ | 0 0 | 4 4 | 2 2 | 2 | | _ | 1 0 | 6 4 | 13 1 | 16 2 |
| Colorado | _ | 0 | 1 | | _ | | _ | 0 | 3 | 4 | 8 |
| Idaho [†] | — | 0 | 1 | _ | _ | | _ | 0 | 0 | | _ |
| Montana Nevada [†] | _ | 0 0 | 0 2 | _ | _ | | _ | 0 0 | 1 2 | 1 | _ |
| New Mexico [†] | _ | 0 | 1 | _ | _ | | _ | 0 | 1 | _ | 1 |
| Utah | — | 0 | 1 | — | 1 | | _ | 0 | 2 | 7 | 4 |
| Wyoming | _ | 0 | 1 | _ | 1 | | _ | 0 | 1 | _ | 1 |
| Pacific Alaska | 4 | 4 0 | 19 1 | 69 | 18 1 | | 7 | 4 0 | 12 1 | 49 3 | 62 2 |
| California | 4 | 2 | 19 | 69 | 15 | | 4 | 3 | 10 | 35 | 2 52 |
| Hawaii | N | 0 | 0 | N | N | | _ | 0 | 4 | _ | 4 |
| Oregon [†] Washington | _ | 0 0 | 3 3 | _ | 2 | | 3 | 0 0 | 2 5 | 4 7 | 2 2 |
| American Samoa | | 0 | 0 | | U | | | 0 | 0 | | 2 U |
| American Samoa C.N.M.I. | U U | 0 | 0 | U U | UU | | U U | 0 | 0 | U U | U |
| Guam | — | 0 | 0 | | | | _ | 0 | 0 | _ | _ |
| Puerto Rico | N | 0 0 | 0 0 | N | N | | _ | 0 0 | 1 0 | _ | _ |
| U.S. Virgin Islands | — | U | U | _ | | | | U | U | _ | _ |

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending April 8, 2006, and April 9, 2005 (14th Week)*

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-* Incidence data for reporting years 2005 and 2006 are provisional. * Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Cum: Cumulative year-to-date counts. Med: Median.

| (14th Week)* | | | | Menii | naococcal | disease, inv | asive | | | | | | | | |
|---|-----------------|-------------|-------------|-------------|-------------|-----------------|---------------|-----------|-------------|-------------|-----------------|--------------------|--------------------|-------------|--------------|
| | | | All serog | | igococcai | | | group u | nknown | | | | Pertus | sis | |
| | | Prev | | _ | | | Previo | | | | | Prev | | | |
| Reporting area | Current week | 52 w Med | eeks Max | Cum 2006 | Cum 2005 | Current week | 52 wee Med | ks Max | Cum 2006 | Cum 2005 | Current week | <u>52 w</u> Med | <u>eeks</u> Max | Cum 2006 | Cum 2005 |
| United States | 13 | 23 | 83 | 365 | 451 | 11 | 14 | 59 | 248 | 254 | 142 | 429 | 1,843 | 3,037 | 5,362 |
| New England | 1 | 1 | 5 | 16 | 29 | 1 | 1 | 3 | 16 | 10 | 1 | 27 | 55 | 303 | 345 |
| Connecticut Maine | _ | 0 0 | 2 1 | 3 2 | 8 1 | _ | 0 0 | 2 1 | 3 2 | 2 1 | _ | 0 1 | 3 5 | 12 | 23 14 |
| Massachusetts New Hampshire | 1 | 0 0 | 3 2 | 9 2 | 13 3 | 1 | 0 0 | 3 2 | 9 2 | 3 3 | 1 | 22 2 | 44 15 | 257 12 | 262 |
| Rhode Island | _ | 0 | 1 | _ | 2 | _ | 0 | 0 | — | _ | — | 0 | 12 | — | 5 |
| Vermont [†] | _ | 0 | 1 | | 2 | _ | 0 | 1 | _ | 1 | _ | 1 | 6 | 22 | 41 |
| Mid. Atlantic New Jersey | 3 | 2 0 | 15 2 | 35 | 58 14 | 3 | 2 0 | 13 2 | 30 | 41 14 | 29 | 22 3 | 133 9 | 370 25 | 440 58 |
| New York (Upstate) New York City | 2 | 0 0 | 7 5 | 11 3 | 16 8 | 2 | 0 | 5 5 | 9 3 | 4 8 | 18 | 9 2 | 122 6 | 140 16 | 153 26 |
| Pennsylvania | 1 | 1 | 4 | 21 | 20 | 1 | 1 | 4 | 18 | 15 | 11 | 8 | 21 | 189 | 203 |
| E.N. Central Illinois | 1 | 2 0 | 9 4 | 38 8 | 45 9 | 1 | 1 0 | 6 4 | 26 8 | 37 9 | 16 | 59 13 | 125 31 | 400 10 | 1,434 261 |
| Indiana | _ | 0 | 5 | 7 | 5 | _ | 0 | 2 | 2 | 2 | 6 | 4 | 75 | 49 | 85 |
| Michigan Ohio | 1 | 1 | 3 5 | 8 15 | 11 12 | - 1 | 0 | 3 4 | 4 12 | 6 12 | 4 6 | 5 17 | 23 30 | 110 203 | 89 535 |
| Wisconsin | _ | 0 | 1 | _ | 8 | _ | Ō | 1 | _ | 8 | _ | 19 | 41 | 28 | 464 |
| W.N. Central Iowa | _ | 1 0 | 4 2 | 17 2 | 26 9 | _ | 0 0 | 3 2 | 8 2 | 10 1 | 7 | 59 11 | 205 55 | 361 75 | 744 247 |
| Kansas | — | 0 | 1 | | 3 | _ | 0 | 1 | _ | 3 | 5 | 11 | 29 | 128 | 91 |
| Minnesota Missouri | _ | 0 0 | 2 3 | 2 9 | 5 6 | _ | 0 0 | 1 2 | 1 3 | 1 3 | _ | 0 10 | 148 43 | 114 | 95 131 |
| Nebraska† North Dakota | _ | 0 0 | 1 1 | 4 | 2 | _ | 0 0 | 1 1 | 2 | 2 | 2 | 3 0 | 14 28 | 35 4 | 72 46 |
| South Dakota | _ | 0 | 1 | _ | 1 | _ | 0 | 0 | _ | _ | _ | 2 | 7 | 5 | 62 |
| S. Atlantic Delaware | 3 | 4 0 | 14 1 | 66 | 70 | 1 | 2 0 | 8 1 | 26 2 | 30 | 6 | 23 0 | 90 | 263 | 375 |
| District of Columbia | _ | 0 | 0 | 2 | 2 | _ | 0 | 0 | _ | 2 | _ | 0 | 1 3 | 1 3 | 11 |
| Florida Georgia | 1 | 1 0 | 7 2 | 26 3 | 28 8 | 1 | 0 | 6 2 | 10 3 | 10 8 | 6 | 4 1 | 14 3 | 70 5 | 43 12 |
| Maryland [†] | 2 | 0 | 2 11 | 6 | 7 | — | 0 | 2 | 3 | _ | _ | 4 | 8 | 56 | 71 |
| North Carolina South Carolina [†] | | 0 | 2 | 13 6 | 6 10 | _ | Ō | 1 | 3 2 | 7 | _ | 5 | 21 22 | 52 30 | 21 145 |
| Virginia† West Virginia | _ | 1 0 | 4 | 9 1 | 7 2 | _ | 0 0 | 3 1 | 3 | 2 1 | _ | 4 0 | 72 5 | 42 4 | 53 19 |
| E.S. Central | _ | 1 | 4 | 13 | 21 | _ | 1 | 4 | 10 | 15 | 2 | 8 | 25 | 66 | 147 |
| Alabama [†] Kentucky | _ | 0 | 1 2 | 3 3 | 8 | _ | 0 0 | 1 2 | 3 3 | 8 | 1 | 1 2 | 9 10 | 19 6 | 27 49 |
| Mississippi | _ | 0 | 1 | 1 | 4 | — | 0 | 1 | 1 | 4 | _ | 1 | 4 | 9 | 20 |
| Tennessee [†] W.S. Central | _ | 0 2 | 2 21 | 6 38 | 9 41 | _ | 0 1 | 2 8 | 3 16 | 3 10 | 1 2 | 3 45 | 17 209 | 32 187 | 51 211 |
| Arkansas | _ | 0 | 3 | 3 | 7 | _ | 0 | 2 | 3 | 1 | _ | 4 | 19 | 18 | 41 |
| Louisiana Oklahoma | _ | 0 0 | 4 3 | 21 6 | 14 5 | _ | 0 0 | 3 3 | 11 | 2 1 | _ | 0 0 | 3 1 | 4 3 | 12 |
| Texas [†] | _ | 1 | 15 | 8 | 15 | | 0 | 3 | 2 | 6 | 2 | 39 | 204 | 162 | 158 |
| Mountain Arizona | 2 2 | 2 0 | 7 5 | 30 16 | 30 11 | 2 2 | 1 0 | 5 5 | 22 16 | 5 2 | 79 27 | 74 16 | 144 86 | 916 164 | 1,124 97 |
| Colorado | _ | 0 | 2 | 11 | 10 | — | 0 | 1 | 4 | — | 14 | 24 | 41 | 369 | 504 |
| Idaho† Montana | _ | 0 0 | 2 0 | 1 | 1 | _ | 0 0 | 2 0 | 1 | 1 | 2 2 | 3 7 | 13 29 | 17 33 | 95 229 |
| Nevada† New Mexico† | _ | 0 | 2 1 | _ | 3 3 | _ | 0 | 1 1 | _ | 2 | _ | 0 2 | 5 9 | 8 8 | 14 71 |
| Utah | _ | 0 | 2 | 2 | 2 | — | Ō | 1 | 1 | _ | 34 | 15 | 38 | 304 | 107 |
| Wyoming Pacific | 3 | 0 6 | 0 30 | | — 131 | 3 | 0 4 | 0 22 | 94 | 96 | _ | 1 70 | 4 1,192 | 13 171 | 7 542 |
| Alaska | | 0 | 1 | _ | 1 | _ | 0 | 1 | _ | 1 | _ | 2 | [′] 15 | 24 | 11 |
| California Hawaii | 2 | 2 0 | 11 | 63 3 | 61 7 | 2 | 2 0 | 11 1 | 63 3 | 61 2 | _ | 40 3 | 1,000 10 | 1 22 | 148 40 |
| Oregon [†] | | 2 | 8 | 29 | 44 | | 1 | 6 | 21 | 24 | — | 5 | 33 | 46 | 247 |
| Washington American Samoa | 1 U | 0 0 | 25 1 | 17 | 18 | 1 U | 0 0 | 11 1 | 7 U | 8 U | — U | 11 0 | 189 0 | 78 U | 96 U |
| C.N.M.I. | U | 0 | 0 | — | — | Ŭ | 0 | 0 | U | U | U | 0 | 0 | Ŭ | U |
| Guam Puerto Rico | _ | 0 0 | 0 1 | 2 | 4 | _ | 0 0 | 0 1 | 2 | 4 | _ | 0 0 | 0 2 | _ | 1 |
| U.S. Virgin Islands | — | 0 | 0 | _ | _ | — | 0 | 0 | — | — | _ | 0 | 0 | — | — |

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending April 8, 2006, and April 9, 2005 (14th Week)*

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-* Incidence data for reporting years 2005 and 2006 are provisional. * Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

| | | B | abies, ani | mal | | Bo | sky Mour | ntain sno | tted fever | | | Se | almonello | eie | |
|--|-----------------|-------------------------|--------------------------|---------------------------|---------------------------|-----------------|------------------|-----------------------|-------------------|-----------------------|-------------------------|----------------------------|------------------------|--------------------------------|---------------------------------|
| | | | ious | IIIdi | | | Previo | <u> </u> | lieu ievei | | | Prev | | /313 | |
| Reporting area | Current week | 52 w Med | eeks Max | Cum 2006 | Cum 2005 | Current week | 52 wee | eks Max | Cum 2006 | Cum 2005 | Current week | 52 wo | eeks Max | Cum 2006 | Cum 2005 |
| United States | 61 | 103 | 190 | 1,008 | 1,547 | 2 | 35 | 99 | 282 | 151 | 241 | 866 | 2,095 | 6,252 | 6,571 |
| New England Connecticut Maine | 13 6 2 | 12 3 1 | 33 13 4 | 132 32 18 | 198 28 13 | N | 0 0 0 | 1 0 0 | — N | 1 N | 11 | 40 8 3 | 80 73 8 | 323 73 11 | 358 83 25 |
| Massachusetts New Hampshire Rhode Island | 4 1 | 4 0 0 | 22 3 4 | 64 5 1 | 137 2 3 | | 0 0 0 | 1 1 0 | | — — 1 | 10 1 | 20 2 0 | 41 12 17 | 206 19 11 | 191 23 15 |
| Vermont [†] | _ | 1 | 7 | 12 | 15 | _ | 0 | 0 | — | — | — | 1 | 10 | 3 | 21 |
| Mid. Atlantic New Jersey New York (Upstate) New York City | 5 N 5 | 19 0 12 0 7 | 40 0 24 3 22 | 192 N 99 — 93 | 191 N 84 8 99 | | 1 0 0 1 | 8 2 2 2 6 | 5 - 2 3 | 10 1 1 8 | 28 — 19 2 7 | 93 16 21 24 31 | 271 41 230 43 | 601 45 164 137 255 | 810 158 182 235 235 |
| Pennsylvania E.N. Central | _ | 2 | 69 | 93 | 11 | _ | 0 | 6 | 2 | 3 | 29 | 97 | 61 206 | 769 | 851 |
| Illinois Indiana | _ | 1 | 4 | | 3 | _ | 0 | 3 1 | 1 | 1 | 12 | 30 11 | 124 71 | 115 113 | 269 62 |
| Michigan Ohio Wisconsin | N | 0 0 0 | 4 66 3 | 3 1 N | 3 4 N | | 0 0 0 | 1 3 1 | 1 | 1 1 — | 2 15 — | 17 23 15 | 35 52 45 | 151 269 121 | 176 172 172 |
| W.N. Central Iowa | 6 | 6 1 | 23 10 | 52 13 | 75 15 | _ | 2 0 | 17 2 | 5 | 5 | 17 | 43 7 | 92 18 | 412 58 | 443 79 |
| Kansas Minnesota | 3 2 | 1 | 5 5 | 17 4 | 23 12 | _ | 0 | 2 | _ | | 4 | 7 10 | 17 31 | 65 97 | 46 121 |
| Missouri Nebraska† North Dakota | 1 | 1 0 0 | 7 0 4 | 4 | 74 | | 2 0 0 | 15 2 0 | 5 | 4 | 10 2 1 | 15 2 0 | 40 10 5 | 135 32 2 | 119 38 9 |
| South Dakota | — | 1 | 6 | 12 | 14 | — | 0 | 2 | — | 1 | _ | 2 | 11 | 23 | 31 |
| S. Atlantic Delaware | 34 | 34 0 0 | 54 0 0 | 394 | 674 | 1 | 17 0 0 | 95 2 | 261 2 | 106 1 | 65 — 4 | 257 2 | 506 9 7 | 1,727 13 | 1,687 14 |
| District of Columbia Florida Georgia | 27 | 0 0 4 | 16 15 | 47 43 | 201 77 | _ | 0 | 1 3 9 | 6 15 | 6 4 | 4 46 14 | 1 99 34 | 230 73 | 19 758 276 | 11 650 229 |
| Maryland [†] North Carolina | 7 | 6 8 | 16 19 | 59 84 | 82 117 | 1 | 2 4 | 7 87 | 13 219 | 6 80 | _ | 14 30 | 39 114 | 110 333 | 134 313 |
| South Carolina [†] Virginia [†] | _ | 4 10 | 11 26 | 142 | 42 150 | _ | 1 | 6 10 | 4 2 | 6 2 | 1 | 21 20 | 146 66 | 69 134 | 140 175 |
| West Virginia E.S. Central | - 1 | 0 2 | 13 9 | 19 39 | 5 32 | _ | 0 5 | 2 24 | 4 | 1 6 | 3 | 3 56 | 13 134 | 15 328 | 21 368 |
| Alabama [†] Kentucky | 1 | 1 0 | 5 3 | 16 4 | 19 2 | _ | 0 | 9 1 | 1 | 1 | _ | 13 7 | 39 26 | 127 65 | 107 43 |
| Mississippi Tennessee [†] | _ | 0 1 | 1 4 | 19 | 11 | _ | 0 3 | 3 18 | 3 | 5 | 3 | 13 14 | 66 40 | 39 97 | 54 164 |
| W.S. Central Arkansas | 1 | 13 0 0 | 42 3 0 | 145 3 | 283 10 | 1 | 2 0 0 | 34 32 2 | 4 3 | 1 1 | 16 | 85 16 15 | 880 67 | 710 222 | 490 64 118 |
| Louisiana Oklahoma Texas† | 1 | 1 12 | 7 39 | 13 129 | 29 244 | 1 | 0 | 23 8 | 1 | | 16 | 6 45 | 42 26 847 | 62 53 373 | 56 252 |
| Mountain Arizona | _ | 4 2 | 19 11 | 19 19 | 51 44 | _ | 0 | 4 4 | 1 1 | 19 13 | 25 2 | 50 13 | 112 28 | 452 137 | 414 132 |
| Colorado Idaho† | _ | 0 0 | 2 12 | _ | _ | _ | 0 | 1 2 | _ | _ | 14 | 11 2 | 45 17 | 141 16 | 102 23 |
| Montana Nevada† Neva Mania at | _ | 0 | 3 2 | _ | _ | _ | 0 | 1 | _ | 1 | 3 | 2 | 16 8 | 26 23 | 19 44 |
| New Mexico [†] Utah Wyoming | _ | 0 0 0 | 1 5 2 | _ | 1 6 | _ | 0 0 0 | 1 1 1 | _ | 1 3 1 | 6 | 4 5 1 | 13 31 12 | 33 62 14 | 41 45 8 |
| Pacific Alaska | 1 | 4 0 | 15 3 | 31 5 | 32 1 | _ | 0 | 2 | _ | _ | 47 3 | 99 1 | 416 5 | 930 24 | 1,150 13 |
| California Hawaii | 1 | 3 0 | 15 0 | 26 | 31 | _ | 0 | 1 0 | _ | _ | 39 | 76 5 | 286 15 | 705 47 | 900 77 |
| Oregon [†] Washington | U | 0 0 | 1 0 | U | U | N | 0 0 | 1 0 | N | N | 1 4 | 8 8 | 25 121 | 80 74 | 81 79 |
| American Samoa C.N.M.I. | U U | 0 | 0 0 | U U | U U | U U | 0 | 0 | U U | U U | U U | 0 0 | 2 0 | U U | 1 U |
| Guam Puerto Rico | 2 | 0 | 0 4 | 28 | 23 | N | 0 | 0 | | N | | 0 7 | 0 23 | | 1 91 |
| U.S. Virgin Islands | _ | 0 | 0 | — | _ | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ |

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending April 8, 2006, and April 9, 2005 (14th Week)*

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-* Incidence data for reporting years 2005 and 2006 are provisional. * Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

| | Shig | | | <i>E. coli</i> (S1 | TEC)† | | | igellosis | ; | | Streptor | | | nvasive, g | roup A |
|--|---------|--------------|----------|--------------------|----------|---------|------------------|-----------|-----------|-----------|----------|----------------|----------|------------|-------------|
| | Current | Prev 52 w | | Cum | Cum | Current | Previo 52 wee | | Cum | Cum | Current | Previ 52 we | | Cum | Cum |
| Reporting area | week | Med | Max | 2006 | 2005 | week | Med | Max | 2006 | 2005 | week | Med | Max | 2006 | 2005 |
| United States | 5 | 49 | 244 | 213 | 357 | 90 | 293 | 608 | 2,096 | 2,779 | 86 | 80 | 198 | 1,513 | 1,445 |
| New England Connecticut | _ | 4 0 | 13 4 | 14 | 32 12 | 1 | 5 1 | 17 7 | 60 7 | 54 12 | 2 U | 3 0 | 8 0 | 51 U | 57 U |
| Maine Massachusetts | _ | 0 2 | 5 7 | 12 | 3 13 | _ | 0 4 | 3 11 | 45 | 2 31 | _ | 0 2 | 2 7 | 3 33 | 2 39 |
| New Hampshire Rhode Island | _ | 0 0 | 2 2 | _2 | 2 1 | 1 | 0 0 | 4 6 | 4 3 | 4 2 | 2 | 0 0 | 3 3 | 10 3 | 3 6 |
| Vermont [§] | — | Ő | 2 | 1 | 1 | — | 0 | 4 | 1 | 3 | — | 0 | 2 | 2 | 7 |
| Mid. Atlantic New Jersey | _ | 6 1 | 100 7 | 1 | 37 13 | 5 | 19 5 | 70 18 | 144 35 | 305 80 | 21 | 13 2 | 43 8 | 243 9 | 316 53 |
| New York (Úpstate) | 4 | 2 | 97 | 13 | 14 | 3 | 4 | 58 | 59 | 77 | 19 | 4 | 33 | 108 | 109 |
| New York City Pennsylvania | _ | 0 2 | 2 8 | 1 | 1 9 | 2 | 6 2 | 22 48 | 25 25 | 131 17 | 2 | 3 6 | 9 13 | 15 111 | 61 93 |
| E.N. Central | 4 | 9 | 34 | 60 | 80 | 8 | 17 | 79 | 188 | 219 | 18 | 14 | 39 | 292 | 316 |
| Illinois Indiana | _ | 1 1 | 7 7 | 9 | 19 7 | 2 | 6 1 | 25 56 | 32 33 | 56 27 | _ | 3 2 | 9 12 | 56 43 | 91 33 |
| Michigan Ohio | 4 | 1 2 | 8 14 | 16 22 | 13 25 | 6 | 4 3 | 10 11 | 54 49 | 84 15 | 5 13 | 4 4 | 10 19 | 78 99 | 78 75 |
| Wisconsin | _ | 2 | 15 | 13 | 16 | _ | 3 | 9 | 20 | 37 | _ | 1 | 8 | 16 | 39 |
| W.N. Central Iowa | _ | 7 1 | 39 10 | 40 11 | 47 9 | 3 1 | 39 1 | 64 7 | 200 8 | 182 35 | 2 N | 5 0 | 57 0 | 121 N | 90 N |
| Kansas Minnesota | _ | 0 3 | 4 23 | | 7 8 | 1 | 4 2 | 20 6 | 21 20 | 7 12 | 2 | 1 0 | 5 52 | 30 52 | 13 31 |
| Missouri | _ | 2 | 7 | 16 | 12 | 1 | 22 | 45 | 117 | 98 | — | 1 | 5 | 22 | 30 |
| Nebraska [§] North Dakota | 1 | 1 0 | 4 2 | 4 | 8 1 | _ | 1 0 | 9 2 | 18 2 | 20 2 | _ | 0 0 | 4 3 | 12 3 | 7 2 7 |
| South Dakota | — | 0 | 5 | 1 | 2 | | 1 | 17 | 14 | 8 | | 0 | 2 | 2 | |
| S. Atlantic Delaware | _ | 7 0 | 41 2 | 32 | 72 | 43 | 47 0 | 116 2 | 590 | 417 4 | 26 | 19 0 | 39 2 | 370 1 | 273 |
| District of Columbia Florida | _ | 0 1 | 1 31 | 14 | 40 | 12 | 0 21 | 2 66 | 3 243 | 4 174 | 2 | 0 5 | 2 12 | 4 88 | 2 76 |
| Georgia Maryland§ | _ | 0 1 | 6 5 | _ | 8 7 | 25 | 12 2 | 37 8 | 205 33 | 114 17 | 3 | 4 3 | 9 12 | 84 78 | 60 63 |
| North Carolina | _ | 1 | 11 | 13 | 9 | 6 | 2 | 22 | 62 | 50 | 21 | 1 | 13 | 55 | 35 |
| South Carolina [§] Virginia [§] | _ | 0 2 | 2 9 | 2 | 1 7 | _ | 2 2 | 9 9 | 33 11 | 34 20 | _ | 0 2 | 6 11 | 24 29 | 16 18 |
| West Virginia | _ | 0 | 2 | | | _ | 0 | 1 | | | _ | 0 | 5 | 7 | 3 |
| E.S. Central Alabama [§] | _ | 2 0 | 12 3 | 11 | 15 3 | 3 1 | 17 3 | 50 20 | 128 32 | 358 71 | 2 N | 4 0 | 10 0 | 76 N | 62 N |
| Kentucky Mississippi | _ | 1 0 | 9 2 | 8 | 4 | 1 | 6 2 | 31 7 | 52 20 | 26 28 | 1 | 1 0 | 6 0 | 20 | 16 |
| Tennessee§ | — | 1 | 4 | 19 | 8 | 1 | 3 | 46 | 24 | 233 | 1 | 3 | 9 | 56 | 46 |
| W.S. Central Arkansas | _ | 2 0 | 37 2 | 2 1 | 15 3 | _ | 65 1 | 244 9 | 226 24 | 616 14 | 1 | 6 0 | 49 2 | 83 3 | 83 6 |
| Louisiana Oklahoma | _ | 0 | 2 3 | | 6 1 | _ | 2 9 | 11 41 | 28 25 | 37 133 | 1 | 0 2 | 2 10 | 5 54 | 4 46 |
| Texas [§] | 3 | 1 | 37 | 11 | 5 | _ | 50 | 237 | 149 | 432 | _ | 3 | 42 | 21 | 27 |
| Mountain Arizona | _ | 5 0 | 16 4 | 25 10 | 45 4 | 7 2 | 17 9 | 48 29 | 172 90 | 147 63 | 12 4 | 12 4 | 43 28 | 252 130 | 219 85 |
| Colorado | _ | 1 | 6 | 11 | 12 | 4 | 3 0 | 18 | 32 | 24 | 4 | 3 | 10 | 67 | 79 |
| Idaho [§] Montana | _ | 1 0 | 8 2 | 4 | 7 1 | 1 | 0 | 4 1 | 4 1 | 1 | _ | 0 | 2 0 | 3 | 1 |
| Nevada [§] New Mexico [§] | _ | 0 0 | 3 3 | 2 | 9 2 | _ | 1 2 | 6 9 | 12 19 | 24 24 | _ | 0 1 | 6 6 | 22 | 24 |
| Utah Wyoming | _ | 1 0 | 7 3 | 2 | 9 1 | _ | 1 0 | 4 1 | 13 1 | 11 | 4 | 2 0 | 6 1 | 28 2 | 29 1 |
| Pacific | 1 | 4 | 50 | 28 | 14 | 20 | 39 | 145 | 388 | 481 | 2 | 2 | 8 | 25 | 29 |
| Alaska California | _ | 0 0 | 2 5 | 19 | 2 1 | 1 15 | 0 32 | 1 103 | 3 284 | 6 432 | _ | 0 0 | 0 | _ | _ |
| Hawaii | 1 | 0 | 4 | 3 | 3 | _ | 1 | 4 | 10 | 8 | 2 | 2 | 8 | 25 | 29 |
| Oregon [§] Washington | _ | 2 1 | 47 41 | 14 6 | 3 5 | 2 2 | 1 2 | 28 41 | 54 37 | 23 12 | N N | 0 0 | 0 0 | N N | N N |
| American Samoa | U | 0 | 0 | U | U | U | 0 | 2 | U | 2 | U | 0 | 0 | U | U |
| C.N.M.I. Guam | U | 0 0 | 0 0 | U | <u> </u> | | 0 0 | 0 0 | U | U 1 | <u> </u> | 0 0 | 0 0 | U | U |
| Puerto Rico U.S. Virgin Islands | _ | 0 0 | 1 0 | _ | 1 | _ | 0 0 | 1 0 | 1 | _ | <u>N</u> | 0 0 | 0 0 | N | <u>N</u> |

Cum: Cumulative year-to-date counts.

Med: Median.

Max: Maximum.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending April 8, 2006, and April 9, 2005 (14th Week)*

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

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

* Incidence data for reporting years 2005 and 2006 are provisional.
 * Includes *E. coli* O157:H7; Shiga toxin positive, serogroup non-0157; and Shiga toxin positive, not serogrouped.
 § Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

| (14th Week)* | . | | | | | | | | | | | | | | |
|---|-------------|---------|----------------|-------------------------|------------|---------|------------------|-----------|-----------|-----------|---------|--------------|-------------|--------------|------------|
| | Strepto | Drug | resistant, | e, invasive all ages | disease | Sypt | | | seconda | ry | | | ella (chicl | kenpox) | |
| | Current | | /ious /eeks | Cum | Cum | Current | Previo 52 wee | | Cum | Cum | Current | Prev 52 w | | Cum | Cum |
| Reporting area | week | Med | Max | 2006 | 2005 | week | Med | Max | 2006 | 2005 | week | Med | Max | 2006 | 2005 |
| United States | 54 | 49 | 124 | 904 | 944 | 76 | 172 | 311 | 1,862 | 2,012 | 811 | 643 | 2,999 | 13,707 | 7,496 |
| New England | | 1 | 14 | 7 | 55 | 4 | 4 | 17 | 57 | 49 | 7 | 34 | 1,130 | 364 | 915 |
| Connecticut Maine | U N | 0 | 0 0 | U N | U N | _ | 0 0 | 11 2 | 12 3 | 1 | U | 0 6 | 0 20 | U 85 | U 102 |
| Massachusetts | _ | 1 | 6 | _ | 46 | 3 | 2 | 5 | 34 | 41 | | 17 | 86 | 2 | 795 |
| New Hampshire Rhode Island | _ | 0 0 | 0 9 | 1 | 6 | _ | 0 0 | 2 6 | 4 3 | 3 3 | 7 | 6 0 | 1,110 0 | 109 | _ |
| Vermont [†] | _ | 0 | 2 | 6 | 3 | 1 | 0 | 1 | 1 | — | _ | 4 | 25 | 168 | 18 |
| Mid. Atlantic New Jersey | 3 N | 2 0 | 14 0 | 40 N | 96 N | 9 | 20 2 | 34 7 | 186 38 | 271 37 | 118 | 116 0 | 182 0 | 1,763 | 1,433 |
| New York (Úpstate) | 1 | 1 | 10 | 10 | 36 | 6 | 2 | 15 | 37 | 18 | _ | 0 | 0 | _ | _ |
| New York City Pennsylvania | U 2 | 0 2 | 0 9 | U 30 | U 60 | 1 2 | 10 4 | 21 8 | 59 52 | 175 41 | 118 | 0 116 | 0 182 | 1,763 | 1,433 |
| E.N. Central | 18 | 12 | 37 | 234 | 218 | 1 | 19 | 42 | 217 | 136 | 293 | 148 | 537 | 5,609 | 2,045 |
| Illinois Indiana | 3 | 0 3 | 2 19 | 7 53 | | _ | 9 1 | 32 5 | 85 19 | 36 15 | N | 1 0 | 5 347 | 4 N | 24 N |
| Michigan | _ | 1 | 4 | 9 | 16 | _ | 2 | 8 | 39 | 20 | 61 | 88 | 231 | 1,574 | 1,274 |
| Ohio Wisconsin | 15 N | 7 0 | 32 0 | 165 N | 137 N | 1 | 4 1 | 11 3 | 61 13 | 58 7 | 232 | 33 9 | 380 41 | 3,758 273 | 562 185 |
| W.N. Central | 2 | 1 | 15 | 18 | 14 | 2 | 5 | 9 | 43 | 63 | 29 | 15 | 73 | 586 | 64 |
| lowa Kansas | N N | 0 0 | 0 0 | N N | N N | 1 | 0 0 | 1 2 | 2 8 | 3 6 | N | 0 0 | 0 0 | N | N |
| Minnesota | 2 | 0 1 | 15 3 | 18 | 13 | 1 | 1 2 | 5 8 | 6 26 | 15 38 | 29 | 0 12 | 0 72 | 557 | 2 |
| Missouri Nebraska† | | 0 | 1 | 10 | | _ | 0 | 1 | 20 | 1 | 29 | 0 | 1 | _ | — |
| North Dakota South Dakota | _ | 0 0 | 1 1 | _ | 1 | _ | 0 0 | 1 1 | _ | _ | _ | 0 1 | 25 23 | 13 16 | 9 53 |
| S. Atlantic | 31 | 21 | 42 | 472 | 396 | 30 | 43 | 182 | 475 | 466 | 83 | 53 | 815 | 1,379 | 700 |
| Delaware District of Columbia | 3 | 0 0 | 2 3 | 17 | 1 11 | 3 | 0 2 | 2 9 | 8 29 | 4 29 | 1 5 | 1 0 | 5 6 | 27 11 | 8 5 |
| Florida Georgia | 17 9 | 11 5 | 34 19 | 263 156 | 205 148 | 11 | 15 8 | 29 141 | 188 33 | 193 53 | _ | 0 0 | 0 0 | _ | _ |
| Maryland [†] | _ | 0 | 0 | — | — | 8 | 5 | 19 | 79 | 78 | — | 0 | 0 | _ | _ |
| North Carolina South Carolina [†] | N | 0 | 0 0 | N | N | 6 | 5 1 | 17 7 | 81 18 | 64 19 | 3 | 0 13 | 0 43 | 293 | 163 |
| Virginia [†] | N | 0 | 0 | N | N | 2 | 3 | 12 | 39 | 25 1 | 31 | 13 | 795 | 483 | 93 |
| West Virginia E.S. Central | 2 | 2 4 | 10 14 | 36 73 | 31 58 | 6 | 0 10 | 1 20 | 147 | 119 | 43 | 19 0 | 70 0 | 565 | 431 |
| Alabama [†] | Ν | 0 | 0 | N | N | — | 3 | 12 | 76 | 53 | | 0 | 0 | | |
| Kentucky Mississippi | _ | 0 0 | 5 0 | 9 | 9 | _ | 1 0 | 5 5 | 11 11 | 6 16 | N | 0 0 | 0 0 | <u>N</u> | N |
| Tennessee [†] | _ | 3 | 13 | 64 | 49 | 6 | 4 | 11 | 49 | 44 | N | 0 | 0 | N | N |
| W.S. Central Arkansas | _ | 1 0 | 7 3 | 31 6 | 72 6 | 14 | 24 1 | 37 6 | 337 25 | 326 12 | 210 | 153 0 | 1,674 39 | 2,935 155 | 1,231 |
| Louisiana | | 1 | 5 | 25 | 66 | 2 | 3 | 17 | 20 | 50 | _ | 1 0 | 19 | 80 | 84 |
| Oklahoma Texas† | N N | 0 0 | 0 0 | N N | N N | 1 11 | 1 17 | 6 29 | 21 271 | 12 252 | 210 | 150 | 0 1,642 | 2,700 | 1,147 |
| Mountain | | 1 | 27 | 29 | 35 | _ | 8 | 17 | 93 | 118 | 71 | 48 | 130 | 1,071 | 1,108 |
| Arizona Colorado | N N | 0 | 0 0 | N N | N N | _ | 3 1 | 13 3 | 52 8 | 37 18 | 36 | 0 35 | 0 74 | 618 | 758 |
| Idaho† | Ν | 0 | 0 | N | N | _ | 0 | 3 | 1 | 6 | _ | 0 | 0 | _ | _ |
| Montana Nevada† | _ | 0 0 | 1 27 | 1 | 1 | _ | 0 2 | 1 7 | 19 | 5 32 | _ | 0 0 | 0 2 | _ | _ |
| New Mexico† Utah | _ | 0 | 0 6 | 15 | 21 | _ | 1 0 | 4 1 | 12 1 | 17 3 | 35 | 3 8 | 24 55 | 139 306 | 89 222 |
| Wyoming | — | Ő | 3 | 13 | 13 | _ | Ő | 0 | _ | _ | | 0 | 3 | 8 | 39 |
| Pacific Alaska | — | 0 0 | 0 0 | _ | _ | 10 | 34 0 | 56 4 | 307 4 | 464 3 | _ | 0 0 | 0 0 | _ | _ |
| California | N | 0 | 0 | N | N | 4 | 29 | 54 | 231 | 408 | _ | 0 | 0 | _ | _ |
| Hawaii Oregon† | N | 0 0 | 0 0 | N | N | _ | 0 0 | 2 6 | 7 4 | 1 8 | N N | 0 0 | 0 0 | N N | N N |
| Washington | N | 0 | 0 | N | N | 6 | 2 | 11 | 61 | 44 | N | 0 | 0 | N | N |
| American Samoa C.N.M.I. | _ | 0 0 | 0 0 | _ | _ | U U | 0 0 | 0 0 | U U | U U | U U | 0 0 | 0 0 | U U | U U |
| Guam | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | | 0 | 0 | _ | 26 |
| Puerto Rico U.S. Virgin Islands | N | 0 0 | 0 0 | <u>N</u> | N | _ | 4 0 | 16 0 | 37 | 35 | 21 | 6 0 | 47 0 | 77 | 192 |
| | | | | | | | | | | | | | | | |

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending April 8, 2006, and April 9, 2005 (14th Week)*

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-* Incidence data for reporting years 2005 and 2006 are provisional. * Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

| (14th Week)* | West Nile virus disease [†] | | | | | | | | | | | | | |
|---|--------------------------------------|--------|--------------|-------------|------------------|-----------------|--------------------|---------------------|-------------|-------------|--|--|--|--|
| | | | Neuroinvas | | west tille virus | uisease. | | | | | | | | |
| | | | vious | | | | | | | | | | | |
| Reporting area | Current week | | reeks Max | Cum 2006 | Cum 2005 | Current week | <u>52 w</u> Med | <u>veeks</u> Max | Cum 2006 | Cum 2005 | | | | |
| United States | _ | 1 | 154 | 1 | 1 | _ | 1 | 202 | _ | 3 | | | | |
| New England | _ | 0 | 3 | _ | _ | _ | 0 | 2 | _ | _ | | | | |
| Connecticut Maine | _ | 0 0 | 2 0 | _ | _ | _ | 0 0 | 1 0 | _ | _ | | | | |
| Massachusetts | _ | 0 | 3 | _ | _ | _ | 0 | 1 | _ | _ | | | | |
| New Hampshire | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | — | | | | |
| Rhode Island Vermont [§] | _ | 0 0 | 1 0 | _ | _ | _ | 0 0 | 0 0 | _ | _ | | | | |
| Mid. Atlantic | _ | 0 | 9 | _ | _ | _ | 0 | 3 | _ | _ | | | | |
| New Jersey | _ | 0 | 1 | _ | _ | — | 0 | 2 | _ | — | | | | |
| New York (Upstate) | _ | 0 | 6 2 | — | _ | — | 0 | 1 | — | — | | | | |
| New York City Pennsylvania | _ | 0 0 | 2 | _ | _ | _ | 0 0 | 2 2 | _ | _ | | | | |
| E.N. Central | _ | 0 | 39 | _ | _ | _ | 0 | 18 | _ | _ | | | | |
| Illinois | _ | 0 | 25 | _ | _ | — | 0 | 16 | _ | _ | | | | |
| Indiana Michigan | _ | 0 0 | 2 14 | _ | _ | _ | 0 0 | 1 3 | _ | _ | | | | |
| Ohio | _ | 0 | 9 | _ | _ | | 0 | 3 | _ | _ | | | | |
| Wisconsin | _ | Ő | 3 | _ | _ | — | Ö | 2 | _ | _ | | | | |
| W.N. Central | _ | 0 | 26 | _ | _ | _ | 0 | 80 | _ | _ | | | | |
| lowa Kansas | _ | 0 0 | 3 3 | — | — | N | 0 0 | 5 3 | N | | | | | |
| Minnesota | _ | 0 | 3 5 | _ | _ | <u>N</u> | 0 | 3 5 | N | N | | | | |
| Missouri | _ | 0 | 4 | _ | _ | _ | 0 | 3 | _ | _ | | | | |
| Nebraska§ | — | 0 | 9 4 | _ | _ | — | 0 0 | 24 | — | — | | | | |
| North Dakota South Dakota | _ | 0 0 | 4 7 | _ | _ | _ | 0 | 15 33 | _ | _ | | | | |
| S. Atlantic | _ | 0 | 6 | _ | _ | _ | 0 | 4 | _ | _ | | | | |
| Delaware | — | 0 | 1 | _ | — | — | 0 | 0 | _ | _ | | | | |
| District of Columbia Florida | _ | 0 0 | 1 2 | _ | _ | _ | 0 0 | 1 4 | _ | _ | | | | |
| Georgia | _ | 0 | 2 | _ | _ | _ | 0 | 4 3 | _ | _ | | | | |
| Maryland§ | _ | 0 | 2 | _ | _ | — | 0 | 1 | _ | _ | | | | |
| North Carolina South Carolina [§] | _ | 0 0 | 1 1 | _ | _ | _ | 0 0 | 1 0 | _ | _ | | | | |
| Virginia [§] | _ | 0 | 0 | _ | _ | _ | 0 | 1 | _ | _ | | | | |
| West Virginia | _ | 0 | 0 | — | _ | Ν | 0 | 0 | Ν | Ν | | | | |
| E.S. Central | — | 0 | 10 | 1 | _ | — | 0 | 5 | — | — | | | | |
| Alabama [§] Kentucky | _ | 0 0 | 1 1 | _ | _ | | 0 0 | 2 0 | _ | _ | | | | |
| Mississippi | _ | 0 | 9 | 1 | _ | _ | 0 | 5 | _ | _ | | | | |
| Tennessee§ | _ | 0 | 3 | — | _ | — | 0 | 1 | — | — | | | | |
| W.S. Central | _ | 0 | 32 | _ | _ | — | 0 | 21 | _ | 2 | | | | |
| Arkansas Louisiana | _ | 0 0 | 3 20 | _ | _ | _ | 0 0 | 2 8 | _ | 2 | | | | |
| Oklahoma | _ | 0 | 20 | _ | _ | _ | 0 | 3 | _ | | | | | |
| Texas [§] | _ | Ō | 16 | _ | _ | _ | Ō | 13 | _ | _ | | | | |
| Mountain | _ | 0 | 16 | _ | 1 | _ | 0 | 39 | _ | _ | | | | |
| Arizona | — | 0 | 8 | — | 1 | — | 0 | 8 | _ | — | | | | |
| Colorado Idaho§ | _ | 0 0 | 5 2 | _ | _ | _ | 0 0 | 13 3 | _ | _ | | | | |
| Montana | _ | 0 | 3 | _ | _ | _ | 0 | 9 | _ | _ | | | | |
| Nevada§ | _ | 0 | 3 3 | — | _ | _ | 0 0 | 8 | — | — | | | | |
| New Mexico [§] Utah | _ | 0 0 | 6 | _ | _ | _ | 0 | 4 8 | _ | _ | | | | |
| Wyoming | _ | Õ | 2 | _ | _ | — | Õ | 1 | _ | — | | | | |
| Pacific | _ | 0 | 50 | _ | _ | _ | 0 | 90 | _ | 1 | | | | |
| Alaska | — | 0 | 0 | — | _ | — | 0 | 0 | — | — | | | | |
| California Hawaii | _ | 0 0 | 50 0 | _ | _ | _ | 0 0 | 89 0 | _ | 1 | | | | |
| Oregon [§] | _ | 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. Guam | <u> </u> | 0 0 | 0 0 | U | U | <u> </u> | 0 0 | 0 0 | U | U | | | | |
| Puerto Rico | _ | 0 | 0 | _ | _ | _ | 0 | 0 | _ | _ | | | | |
| U.S. Virgin Islands | — | õ | Ő | — | — | — | Õ | Õ | _ | — | | | | |

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending April 8, 2006, and April 9, 2005 (14th Week)*

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. * Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Infectious Diseases (ArboNet Surveillance). * Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE III. Deaths in 122 U.S. cities.* week ending April 8, 2006 (14th Week)

| IADLE III. Deaths | in 122 U.S. cities,* week ending April 8, 2006 All causes, by age (years) | | | | (14th We | | All causes, by age (years) | | | | | | | | |
|----------------------------------|--|---------------|-----------|----------|----------|--------|----------------------------|-----------------------------------|--------------|---------------|-----------|-----------|---------|---------|------------------|
| | All | | | | | | P&I [†] | - | All | | | | | | P&I [†] |
| Reporting Area | Ages | <u>>65</u> | 45-64 | 25-44 | 1-24 | <1 | Total | Reporting Area | Ages | <u>>65</u> | 45-64 | 25-44 | 1-24 | <1 | Total |
| New England Boston, MA | 612 157 | 445 101 | 116 38 | 35 10 | 8 3 | 8 5 | 61 12 | S. Atlantic Atlanta, GA | 1,384 232 | 888 138 | 330 63 | 105 22 | 34 4 | 27 5 | 70 9 |
| Bridgeport, CT | 39 | 27 | 7 | 4 | 1 | | 5 | Baltimore, MD | 167 | 98 | 43 | 16 | 8 | 2 | 14 |
| Cambridge, MA | 14 | 13 | 1 | | | | 3 | Charlotte, NC | 122 | 86 | 19 | 10 | 5 | 2 | 11 |
| Fall River, MA | 32 | 20 | 8 | 4 | _ | _ | 4 | Jacksonville, FL | 151 | 98 | 38 | 9 | 6 | _ | 2 |
| Hartford, CT | 65 | 53 | 6 | 4 | 2 | _ | 10 | Miami, FL | 120 | 71 | 33 | 13 | 3 | _ | 3 |
| Lowell, MA | 31 | 23 | 5 | 3 | — | _ | 4 | Norfolk, VA | 57 | 43 | 10 | 1 | | 3 | 1 |
| Lynn, MA | 12 | 10 | 2 | — | _ | — | 2 | Richmond, VA | 68 | 35 | 24 | 5 | 3 | 1 | 6 |
| New Bedford, MA New Haven, CT | 23 U | 19 U | 4 U | U | U | U | 6 U | Savannah, GA | 48 | 29 | 12 | 4 | _ | 3 | 2 |
| Providence, RI | 85 | 67 | 13 | 3 | 1 | 1 | 6 | St. Petersburg, FL Tampa, FL | 69 211 | 47 160 | 16 35 | 2 13 | _ | 4 3 | 12 6 |
| Somerville, MA | 10 | 8 | 2 | | _ | _ | _ | Washington, D.C. | 121 | 67 | 35 | 10 | 5 | 4 | 3 |
| Springfield, MA | 42 | 30 | 8 | 2 | _ | 2 | 2 | Wilmington, DE | 18 | 16 | 2 | | _ | _ | 1 |
| Waterbury, CT | 28 | 22 | 4 | 1 | 1 | _ | _ | | | | | | | | |
| Worcester, MA | 74 | 52 | 18 | 4 | _ | _ | 7 | E.S. Central Birmingham, AL | 877 171 | 567 107 | 212 38 | 66 19 | 11 3 | 21 4 | 83 26 |
| Mid. Atlantic | 2,132 | 1,548 | 423 | 115 | 19 | 26 | 135 | Chattanooga, TN | 72 | 53 | 17 | 1 | _ | 1 | 7 |
| Albany, NY | 40 | 32 | 6 | 1 | 1 | _ | 3 | Knoxville, TN | 119 | 81 | 29 | 5 | 1 | 3 | 1 |
| Allentown, PA | 31 | 26 | 4 | 1 | _ | _ | 5 | Lexington, KY | 80 | 55 | 22 | 3 | _ | _ | 15 |
| Buffalo, NY | 70 | 49 | 16 | 4 | _ | 1 | 10 | Memphis, TN | 153 | 96 | 41 | 13 | 1 | 2 | 7 |
| Camden, NJ | 24 | 19 | 2 | 2 | _ | 1 | 3 | Mobile, AL | 100 | 57 | 22 | 15 | 3 | 3 | 5 |
| Elizabeth, NJ | 15 34 | 13 | 2 2 | _ | _ | 1 | 2 | Montgomery, AL | 41 | 34 84 | 5 38 | 1 | 3 | 1 7 | 8 14 |
| Erie, PA Jersey City, NJ | 34 40 | 31 27 | 13 | _ | _ | _ | 4 | Nashville, TN | 141 | 84 | 38 | 9 | | | |
| New York City, NY | 1,102 | 782 | 224 | 70 | 10 | 15 | 60 | W.S. Central | 1,410 | 903 | 340 | 101 | 30 | 36 | 57 |
| Newark, NJ | 51 | 27 | 18 | 4 | 2 | | 6 | Austin, TX | 94 | 59 | 24 | 9 | 1 | 1 | 3 |
| Paterson, NJ | 19 | 14 | 1 | 2 | 1 | 1 | _ | Baton Rouge, LA | 40 | 28 | 6 | 4 | 1 | 1 | |
| Philadelphia, PA | 284 | 207 | 59 | 15 | 2 | 1 | 8 | Corpus Christi, TX | U | U | U | U 10 | U | U | U |
| Pittsburgh, PA§ | 26 | 19 | 5 | 1 | — | 1 | 1 | Dallas, TX El Paso, TX | 205 94 | 115 64 | 60 19 | 12 5 | 6 4 | 12 2 | 8 5 |
| Reading, PA | 26 | 21 | 5 | — | — | _ | — | Fort Worth, TX | 94 99 | 75 | 18 | 3 | - | 3 | 5 |
| Rochester, NY | 134 | 103 | 22 | 6 | 2 | 1 | 12 | Houston, TX | 388 | 231 | 102 | 38 | 7 | 10 | 14 |
| Schenectady, NY | 15 | 11 | 4 | _ | _ | _ | 1 | Little Rock, AR | 70 | 46 | 16 | 5 | 1 | 2 | 3 |
| Scranton, PA | 42 | 31 99 | 8 21 | 3 4 | _ | _ | 4 | New Orleans, LA ¹ | U | U | U | U | U | U | U |
| Syracuse, NY Trenton, NJ | 124 28 | 99 14 | 21 9 | 4 | 1 | 4 | 15 | San Antonio, TX | 226 | 151 | 52 | 14 | 5 | 4 | 14 |
| Utica, NY | 12 | 11 | 1 | _ | _ | _ | _ | Shreveport, LA | 72 | 48 | 17 | 5 | 1 | 1 | 5 |
| Yonkers, NY | 15 | 12 | 1 | 2 | _ | _ | 1 | Tulsa, OK | 122 | 86 | 26 | 6 | 4 | _ | _ |
| E.N. Central | 2,067 | 1,414 | 452 | 119 | 49 | 31 | 177 | Mountain | 918 | 599 | 199 | 68 | 30 | 22 | 90 |
| Akron, OH | 44 | 29 | 11 | 1 | 3 | _ | 4 | Albuquerque, NM Boise, ID | 113 48 | 63 33 | 34 10 | 12 3 | 2 2 | 2 | 10 4 |
| Canton, OH | 42 | 26 | 13 | 2 | — | 1 | 2 | Colorado Springs, CO | | 43 | 8 | 2 | 1 | _ | 2 |
| Chicago, IL | 340 | 209 | 80 | 33 | 12 | 5 | 25 | Denver, CO | 103 | 62 | 25 | 7 | 4 | 5 | 7 |
| Cincinnati, OH | 40 | 25 | 8 | 3 | 3 | 1 | 4 | Las Vegas, NV | 279 | 183 | 61 | 22 | 11 | 2 | 30 |
| Cleveland, OH | 252 | 196 | 45 | 6 | 1 | 4 | 11 | Ogden, UT | 36 | 29 | 2 | 3 | 1 | 1 | 5 |
| Columbus, OH Dayton, OH | 267 121 | 182 91 | 56 22 | 18 4 | 9 2 | 2 2 | 35 13 | Phoenix, AZ | 148 | 87 | 35 | 11 | 8 | 7 | 15 |
| Detroit, MI | 177 | 97 | 53 | 18 | 7 | 1 | 18 | Pueblo, CO | 30 | 21 | 5 | 3 | _ | 1 | 3 |
| Evansville, IN | 48 | 35 | 12 | | _ | 1 | 4 | Salt Like City, UT | 107 | 78 | 19 | 5 | 1 | 4 | 14 |
| Fort Wayne, IN | 62 | 51 | 7 | 2 | 1 | 1 | 2 | Tucson, AZ | U | U | U | U | U | U | U |
| Gary, IN | 19 | 8 | 7 | 4 | — | _ | _ | Pacific | 1,934 | 1,348 | 406 | 100 | 43 | 36 | 171 |
| Grand Rapids, MI | 75 | 51 | 16 | 3 | 4 | 1 | 7 | Berkeley, CA | 19 | 15 | 2 | _ | _ | 2 | 2 |
| Indianapolis, IN | 175 | 105 | 51 | 12 | 5 | 2 | 13 | Fresno, CA | 123 | 74 | 34 | 9 | 6 | _ | 7 |
| Lansing, MI | 21 | 14 | 6 | _ | — | 1 | 1 | Glendale, CA | 25 | 21 | 4 | _ | _ | _ | 6 |
| Milwaukee, WI | 102 | 74 | 20 4 | 6 | _ | 2 | 11 | Honolulu, HI | 61 | 46 | 10 | 5 4 | | _ | 9 |
| Peoria, IL Rockford, IL | 42 57 | 35 45 | 4 | 1 3 | 2 | 2 1 | 2 11 | Long Beach, CA Los Angeles, CA | 63 427 | 37 313 | 19 82 | | 1 | 2 6 | 9 48 |
| South Bend, IN | 46 | 45 36 | 9 | - 3 | | 1 | 2 | Pasadena, CA | 427 | 12 | 6 | 22 | 4 | 2 | 48 5 |
| Toledo, OH | 92 | 69 | 19 | 1 | _ | 3 | 10 | Portland, OR | 111 | 78 | 25 | 7 | _ | 1 | 8 |
| Youngstown, OH | 45 | 36 | 7 | 2 | _ | _ | 2 | Sacramento, CA | 195 | 141 | 40 | 7 | 3 | 4 | 14 |
| W.N. Central | 686 | 447 | 152 | 41 | 27 | 18 | 49 | San Diego, CA | 211 | 144 | 40 | 14 | 7 | 5 | 16 |
| Des Moines, IA | | | | | | | | San Francisco, CA | 184 | 124 | 43 | 9 | 3 | 5 | 26 |
| Duluth, MN | 38 | 30 | 6 | 1 | _ | 1 | 3 | San Jose, CA | 160 | 120 | 30 | 5 | 3 | 2 | 15 |
| Kansas City, KS | 33 | 17 | 9 | 2 | 4 | 1 | 2 | Santa Cruz, CA | 28 | 25 | 2 | 1 | _ | | |
| Kansas City, MO | 107 | 68 | 29 | 5 | 3 | 2 | 6 | Seattle, WA | 137 60 | 75 39 | 41 11 | 9 4 | 9 4 | 3 2 | 5 7 |
| Lincoln, NE | 40 | 31 | 4 | 3 | 2 | _ | 5 | Spokane, WA Tacoma, WA | 110 | 39 84 | 17 | 4 | 4 | 2 | 3 |
| Minneapolis, MN | 65 | 45 | 12 | 4 | 2 | 2 | 5 | | | | | | | | |
| Omaha, NE | 105 | 71 | 23 | 6 | 5 | _ | 11 | Total | 12,020** | 8,159 | 2,630 | 750 | 251 | 225 | 893 |
| St. Louis, MO | 171 | 92 | 43 | 18 | 8 | 9 | 13 | | | | | | | | |
| St. Paul, MN Wichita, KS | 52 75 | 42 51 | 6 20 | 2 | 1 2 | 3 | 2 2 | | | | | | | | |
| wiorina, ito | 10 | 51 | 20 | ۷ | 2 | | 2 | | | | | | | | |

U: Unavailable. -: No reported cases.

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.

| TABLE IV. Provisio | onal cases | nal cases of selected notifiable diseases, United States, quarter ending April 1, 200 AIDS* HIV/AIDS* | | | | | | | | | Tuberculosis [†] | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|--|--|--|
| | | Previous | | | | Previous | | | | | | Previous | | | | | | |
| Reporting area | Current quarter | 4 qu Min | arters Max | Cum 2006 | Cum 2005 | Current quarter | 4 qua Min | rters Max | Cum 2006 | Cum 2005 | Current week | <u>4 qua</u> Min | arters Max | Cum 2006 | Cum 2005 | | | |
| United States | 9,922 | 9,922 | 11,012 | 9,922 | 10,082 | 14,655 | 14,655 | 17,264 | 14,655 | 16,092 | 1,641 | 1,641 | 3,389 | 1,641 | 2,759 | | | |
| New England Connecticut Maine [†] Massachusetts [†] New Hampshire Rhode Island [†] Vermont [†] | 274 62 23 121 19 44 5 | 274 62 3 121 6 2 0 | 452 250 23 182 19 44 5 | 274 62 23 121 19 44 5 | 402 154 3 206 3 35 1 | 387 162 23 128 26 43 5 | 387 162 3 128 8 2 0 | 735 514 23 189 26 43 5 | 387 162 23 128 26 43 5 | 1,762 1,109 6 230 380 36 1 | 52 10 32 2 3 2 2 | 52 10 3 32 0 3 0 | 165 34 6 113 2 14 3 | 52 10 32 2 3 2 | 86 20 5 43 3 13 2 | | | |
| Mid. Atlantic New Jersey New York (Upstate) New York City Pennsylvania | 1,245 59 59 935 192 | 1,245 59 59 935 192 | 2,605 381 628 1,345 566 | 1,245 59 59 935 192 | 1,973 358 195 1,105 315 | 2,486 202 107 1,370 807 | 2,486 202 107 1,370 466 | 4,243 501 726 1,743 1,284 | 2,486 202 107 1,370 807 | 3,196 626 254 1,823 493 | 461 86 45 245 85 | 461 86 45 223 63 | 607 135 110 271 102 | 461 86 45 245 85 | 443 106 46 230 61 | | | |
| E.N. Central Illinois [†] Indiana Michigan Ohio Wisconsin | 896 242 96 197 273 88 | 896 242 75 118 176 5 | 1,198 525 113 386 278 88 | 896 242 96 197 273 88 | 893 473 112 135 130 43 | 1,228 273 132 243 406 174 | 1,228 273 126 89 379 4 | 1,477 604 170 488 406 174 | 1,228 273 132 243 406 174 | 1,114 473 134 259 185 63 | 207 91 18 30 52 16 | 207 91 18 30 51 16 | 353 159 40 92 83 23 | 207 91 18 30 52 16 | 282 140 28 40 57 17 | | | |
| W.N. Central lowa Kansas Minnesota Missouri Nebraska North Dakota South Dakota | 218 19 57 70 50 19 | 200 19 16 49 50 13 0 3 | 237 32 57 70 103 22 4 5 | 218 19 57 70 50 19 | 227 18 31 69 97 2 5 5 | 386 32 82 117 141 6 1 7 | 344 20 19 87 118 6 1 4 | 421 49 82 117 208 50 3 11 | 386 32 82 117 141 6 1 7 | 338 23 46 104 147 1 3 14 | 87 7 29 32 14 1 - 4 | 87 7 11 32 14 1 0 3 | 126 13 29 56 29 17 1 4 | 87 7 29 32 14 1 | 99 11 18 40 23 2 1 4 | | | |
| S. Atlantic Delaware [†] District of Columbia [†] Florida Georgia Maryland [†] North Carolina South Carolina Virginia West Virginia | 3,742 17 267 1,561 520 493 543 205 112 24 | 2,874 17 6 1,084 520 229 113 116 112 15 | 3,742 48 292 1,561 751 559 543 205 209 24 | 3,742 17 267 1,561 520 493 543 205 112 24 | 3,314 51 176 1,543 517 406 292 139 172 18 | 5,093 22 273 2,095 1,007 485 724 220 245 22 | 4,877 22 9 1,731 1,007 233 357 143 245 22 | 5,599 47 304 2,095 2,352 559 724 269 344 27 | 5,093 22 273 2,095 1,007 485 724 220 245 22 | 4,855 53 188 2,285 1,021 398 436 195 256 23 | 312 | 312 0 7 132 11 42 55 2 47 4 | 824 8 18 354 150 79 126 68 131 7 | 312 | 597 8 21 221 159 56 37 38 49 8 | | | |
| E.S. Central Alabama Kentucky Mississippi Tennessee | 450 116 52 87 195 | 450 99 52 54 181 | 507 138 69 122 239 | 450 116 52 87 195 | 561 163 63 108 227 | 707 185 150 111 261 | 677 173 150 101 243 | 863 209 192 177 289 | 707 185 150 111 261 | 709 145 172 109 283 | 126 52 13 — 61 | 126 45 13 0 58 | 175 72 43 0 87 | 126 52 13 — 61 | 107 20 25 — 62 | | | |
| W.S. Central Arkansas Louisiana Oklahoma Texas | 904 45 82 44 733 | 904 3 82 44 667 | 1,341 99 326 94 967 | 904 45 82 44 733 | 1,006 71 169 73 693 | 1,767 90 218 51 1,408 | 1,767 3 218 51 1,261 | 2,122 182 342 103 1,587 | 1,767 90 218 51 1,408 | 1,863 119 286 99 1,359 | 202 19 45 138 | 202 19 0 30 138 | 453 34 0 45 392 | 202 19 45 138 | 434 21 34 379 | | | |
| Mountain Arizona Colorado Idaho Montana [†] Nevada New Mexico Utah Wyoming | 389 141 111 80 31 15 1 | 386 141 79 5 0 60 25 11 1 | 401 183 111 10 14 95 43 22 3 | 389 141 111 80 31 15 1 | 385 157 82 3 81 40 19 0 | 619 282 115 22 119 43 34 4 | 606 253 115 4 0 91 35 26 1 | 692 338 144 22 14 144 53 49 4 | 619 282 115 22 | 595 249 134 6 4 112 54 30 6 | 52 25 14 — 6 6 1 | 52 25 9 0 0 4 4 0 | 162 76 24 7 6 38 18 10 1 | 52 25 14 — — 6 6 1 | 79 28 21 6 | | | |
| Pacific Alaska California [†] Hawaii [†] Oregon [†] Washington [†] | 1,579 9 1,353 25 89 103 | 1,196 3 963 19 29 103 | 1,579 11 1,353 34 89 139 | 1,579 9 1,353 25 89 103 | 1,068 7 868 26 64 103 | 1,487 10 1,284 26 88 79 | 1,125 9 931 19 31 79 | 1,487 15 1,284 34 88 116 | 1,487 10 1,284 26 88 79 | 1,029 11 838 27 64 89 | 142 16 63 18 45 | 142 9 63 18 0 45 | 831 16 705 33 24 77 | 142 16 63 18 | 632 13 505 29 29 56 | | | |
| American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands | 2 1 219 3 | 0 0 219 0 | 2 1 283 7 | 2 1 219 3 | 246 7 | | 0 478 0 | 755 14 | | 1 621 9 | U | 0 0 0 0 | 2 0 0 0 0 | U | U U — | | | |

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Min: Minimum. Max: Maximum. * AIDS and HIV/AIDS are not mutually exclusive. Persons with AIDS have met the case definition for AIDS regardless of whether they received an HIV diagnosis before the onset of AIDS. HIV/AIDS includes persons with an HIV infection and includes persons with a diagnosis of HIV infection only, a diagnosis of HIV and later developed AIDS, or concurrent diagnoses of HIV and AIDS. Updated quarterly from reports to the Division of HIV/AIDS Prevention, National Center for HIV, STD, and TB Prevention. Last update was March 31, 2006. Methods other than confidential, name-based reporting for HIV diagnoses without AIDS are used in these areas.

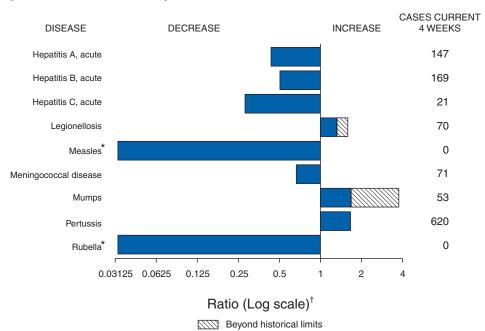


FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals April 8, 2006, with historical data

* No measles or rubella cases were reported for the current 4-week period yielding a ratio for week 14 of zero (0).
[†] Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

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