

MORBIDITY AND MORTALITY

WEEKLY REPORT

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Preliminary FoodNet Data on the Incidence of Foodborne Illnesses — Selected Sites, United States, 1999

Each year in the United States, an estimated 76 million persons experience foodborne illnesses (1). CDC's Emerging Infections Program Foodborne Diseases Active Surveillance Network (FoodNet) collects data on nine foodborne diseases in selected U.S. sites to quantify and monitor foodborne illnesses (2–4). This report describes preliminary surveillance data for 1999 and compares them with data from 1996–1998. The data suggest that the incidence of the foodborne illnesses under surveillance declined during 1999 compared with 1996 primarily as a result of decreases in campylobacteriosis and shigellosis and indicate substantial regional variation in the incidence of foodborne diseases (Figure 1).

FIGURE 1. Rate* of laboratory-confirmed infections detected by the Foodborne Diseases Active Surveillance Network (Foodnet)[†], by site — United States, 1999



*Per 100,000 population.

[†] Reporting was statewide in Connecticut, Georgia, Minnesota, and Oregon and from selected counties in California, Maryland, and New York.

U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES

FoodNet — Continued

In 1996, active surveillance began for laboratory-confirmed cases of *Campylobacter*, *Escherichia coli* O157, *Listeria monocytogenes*, *Salmonella*, *Shigella*, *Vibrio*, and *Yersinia enterocolitica* infections in Minnesota, Oregon, and selected counties in California, Connecticut, and Georgia. In 1997, surveillance for laboratory-confirmed cases of *Cryptosporidium* and *Cyclospora* infections was added. In 1998, the surveillance area for Connecticut became statewide and active surveillance began in selected counties in Maryland and New York. In 1999, the remaining counties in Georgia and eight counties in the metropolitan Albany, New York, area were added, covering 25.6 million persons (1998 population estimate) (*5*). To identify cases, surveillance personnel contacted each clinical laboratory in their surveillance area either weekly or monthly depending on the size of the clinical laboratory. Cases represent isolation of a pathogen; most specimens were obtained for diagnostic purposes from ill persons. Duplicate isolations of the same pathogen from the same person within 1 year were excluded from the analysis.

Preliminary 1999 incidence of pathogens was calculated using the number of cases of isolated pathogens that FoodNet had identified at clinical laboratories as the numerator and 1998 population estimates as the denominator (5). Final incidence will be available after 1999 population estimates are available.

1999 Surveillance

During 1999, 10,697 laboratory-confirmed cases of nine diseases under surveillance were identified: 4533 of salmonellosis, 3794 of campylobacteriosis, 1031 of shigellosis, 530 of *E. coli* O157 infections, 474 of cryptosporidiosis, 163 of yersiniosis, 113 of listeriosis, 45 of *Vibrio* infections, and 14 of cyclosporiasis. Among the 4095 *Salmonella* isolates serotyped, 982 (24%) were serotype Typhimurium, 403 (10%) were serotype Enteritidis (SE), 362 (9%) were serotype Newport, 284 (7%) were serotype Heidelberg, and 231 (6%) were serotype Muenchen; 405 (10%) of *Salmonella* isolates were untyped. Among the 949 *Shigella* isolates with a known species, 626 (66%) were *S. sonnei* and 295 (31%) were *S. flexneri*.

For all reporting sites in 1999, incidence per 100,000 population was highest for salmonellosis (17.7), campylobacteriosis (14.8), and shigellosis (4.0). Substantial variation in incidence was observed among the sites for some pathogens (Figure 1). In 1999, the incidence of campylobacteriosis ranged from 6.6 in Maryland to 32.5 in California. Overall, salmonellosis incidence was similar (from 12.7 to 17.5) among all sites, except in Georgia where the incidence was 25.5. Rates for infections with specific *Salmonella* serotypes varied: infection with *S*. Typhimurium ranged from 2.0 in New York to 4.6 in Georgia, SE from 0.7 in New York to 4.0 in Maryland, and *S*. Newport from 0.2 in New York to 3.2 in Georgia. Incidence of shigellosis ranged from 1.7 in New York to 9.7 in California, *E. coli* O157 infections ranged from 0.6 in Georgia to 5.8 in New York, and yersiniosis varied from 0.3 in Connecticut and New York to 0.8 in Georgia and California. The incidence of cryptosporidiosis ranged from 0.3 in Maryland to 2.3 in Georgia.

1996–1999 Rate Comparison at Original FoodNet Sites

From 1996 to 1999, the incidence of three laboratory-confirmed infections under surveillance declined substantially in the five original FoodNet sites (Table 1). Over this period, the incidence of *Campylobacter* declined 26%, including 19% from 1998 to 1999; all states reported declines in *Campylobacter* rates. The incidence of shigellosis decreased 44% from 1996 to 1999; *S. sonnei* decreased 52% (from 6.4 to 3.1), and *S. flexneri* declined 25% (from 2.0 to 1.5). Rates of *E. coli* O157 infection decreased 22%.

FoodNet — Continued

organism — Oniced States, 1990–1999											
Organism	1996	1997	1998	1999							
Campylobacter	23.5	25.2	21.4	17.3							
Cryptosporidium	NR⁵	3.0	3.4	2.9							
Cyclospora	NR⁵	0.3	<0.1	<0.1							
Escherichia coli 0157	2.7	2.3	2.8	2.1							
Listeria	0.5	0.5	0.6	0.5							
Salmonella	14.5	13.6	12.3	14.8							
Shigella	8.9	7.5	8.5	5.0							
Vibrio	0.2	0.3	0.3	0.2							
Yersinia	1.0	0.9	1.0	0.8							
Total	51.2	50.3¶	47.2 [¶]	40.7¶							

TABLE 1. Rate* of selected pathogens detected by the Foodborne Diseases Active Surveillance Network (FoodNet)[†] at the five original sites, by year and organism — United States, 1996–1999

*Per 100,000 population.

[†] In 1996, active surveillance began for laboratory-confirmed cases of *Campylobacter, Escherichia coli* O157, *Listeria, Salmonella, Shigella, Vibrio*, and *Yersinia* infections in Minnesota, Oregon, and selected counties in California, Connecticut, and Georgia. In 1997, surveillance for laboratory-confirmed cases of *Cryptosporidium* and *Cyclospora* infections began in Connecticut, Minnesota, and Oregon, and selected counties in California.

[§] Not reported.

[¶] Excludes Cryptosporidium and Cyclospora.

The overall incidence of salmonellosis decreased 15% from 1996 to 1998; however, the incidence increased 20% from 1998 to 1999. Compared with 1998 rates, 1999 rates for salmonellosis increased in Connecticut, Georgia, Minnesota, and Oregon, and declined in California. Rates for *S.* Typhimurium, the most common serotype, were constant from 1996 to 1999 (3.9 and 3.6, respectively). SE rates declined 48% from 1996 to 1999 with a 7% decline from 1998 to 1999. From 1998 to 1999, *Salmonella* infections with serotypes Muenchen, Newport, and Heidelberg increased 348%, 79%, and 44% respectively. The incidence of listeriosis, *Vibrio* infections, and yersiniosis were unchanged during the 4-year period. Comparing the data on parasitic diseases from 1997 to 1999 (using only the sites reporting in all 3 years), rates of *Cyclospora* infections decreased 70% (from 0.3 to <0.1); rates of *Cryptosporidium* infection were constant from 1997 to 1999 (from 3.0 to 2.9).

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FoodNet — Continued

Editorial Note: FoodNet data for 1999 indicate a decline in several major bacterial and parasitic causes of foodborne illnesses. *Camplyobacter* infections, the leading bacterial foodborne illnesses during 1996–1998, decreased in 1999 in all original FoodNet sites. SE, *Shigella*, and *E. coli* O157 cases also declined substantially. Decreases in the incidence of foodborne illnesses occurred concurrently with disease prevention efforts, including implementation of changes in meat and poultry processing plants, new requirements for food service establishments, and increased attention to good agricultural practices for produce and eggs on farms (*6*).

From 1998 to 1999, although *S*. Typhimurium rates were steady and SE rates declined, salmonellosis rates increased in all original FoodNet sites except California. The reasons for the increased incidence of *Salmonella* infections are unclear. *Salmonella* can be acquired from foods of animal origin and foods contaminated with animal feces (7); however, in 1999, several large salmonellosis outbreaks were traced to produce vehicles, including unpasteurized orange juice (*S.* Muenchen) (*8*), mangos (*S.* Newport), and raw sprouts (*S.* Mbandaka). Controlling *Salmonella* requires prevention efforts among all food commodities. The decline in *Shigella* was largely restricted to *S. sonnei*, and followed an outbreak in 1998 traced to imported parsley (*9*), which increased attention to produce-associated shigellosis.

The findings in this report are subject to several limitations. First, although FoodNet surveillance encompassed 9% of the U.S. population in 1999, these areas were not a nationally representative sample. Second, FoodNet data are limited to laboratory-confirmed illnesses; however, most foodborne illnesses are neither laboratory confirmed nor reported to state health departments. Third, some laboratory-confirmed illnesses reported to FoodNet can be acquired through nonfoodborne routes, such as water, person-to-person contact, and direct animal exposure; therefore, rates do not represent foodborne sources only. Further surveillance is necessary to determine whether changes represent year-to-year variation or definitive trends.

In 2000, selected counties in Tennessee and Contra Costa County, California, will be added to the FoodNet area, bringing the FoodNet surveillance population to approximately 29 million persons—11% of the U.S. population (1998 estimates). The 1999 final FoodNet report will include incidence figures and other information, such as illness severity, and will be available later in 2000 at the FoodNet site on the World-Wide Web, http://www.cdc.gov/ncidod/dbmd/foodnet. Because the population within FoodNet sites probably has increased since 1998 (the increase from 1997 to 1998 was 1%), the final 1999 rates might be slightly lower than the preliminary rates. Additional analysis of FoodNet surveillance data, foodborne outbreak data (10), and surveys of clinical laboratories, health-care providers, and consumers will facilitate interpretation of FoodNet data and help track temporal trends in foodborne illnesses.

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Hantavirus Pulmonary Syndrome — Panama, 1999–2000

Hantavirus pulmonary syndrome (HPS) is an acute viral rodentborne zoonosis characterized by severe cardiopulmonary illness with a 40%–60% case-fatality rate. Since its identification in the United States in 1993, the recognized clinical spectrum of illnesses associated with human hantavirus infection has expanded to include mild illness, and case-patients have been identified in Canada and South America (1,2). This report describes the first confirmed HPS cases from Central America and summarizes preliminary results of clinical, epidemiologic, and ecologic investigations. Investigators identified 12 suspected cases with typical disease and captured four common species of rodents near case households.

In mid-January 1999, reports of a cluster of acute febrile respiratory illnesses associated with three deaths in Las Tablas and Guarare districts, Los Santos province, Panama (population: 55,000), led to an investigation by the Gorgas Memorial Institute for Health Studies (GMIHS) and the Panamanian Ministry of Health (MOH). Human illness was characterized by fever, myalgia, headache, and cough with rapid progression to respiratory failure and bilateral pulmonary infiltrates, hypotension, and thrombocytopenia consistent with HPS. Initial laboratory testing of specimens at CDC from three case-patients confirmed the presence of IgM and IgG antibodies using antigens of Sin Nombre virus and the presence of detectable hantavirus RNA by reverse-transcription polymerase chain reaction (RT-PCR).

As of March 6, 2000, 12 patients with suspected HPS have been identified; three died. The mean age of patients was 42 years (range: 26–58 years); 58% were women. Serum specimens taken from eight case-patients who met the CDC epidemiologic case definition (*1*) had hantavirus antibodies, including two specimens that also were positive by RT-PCR. Serologic testing is pending for another suspected case-patient. Although the three patients who died had signs and symptoms compatible with HPS, epidemiologic data are limited and no specimens from these patients are available for diagnostic testing. The first case-patient was identified retrospectively as having onset of illness in August 1999; the latest case-patient had onset of illness on February 28. All 12 case-patients had clinical disease typical of HPS; however, seven case-patients had atypical extrapulmonary symptoms of hepatic, renal, and cerebral dysfunction. No cases have been reported among health-care workers or from person-to-person transmission. Studies to define the prevalence of hantavirus infection among community members and health-care workers, the extent of mild or asymptomatic infection, and the risk factors for developing HPS are in progress.

Hantavirus Pulmonary Syndrome — Continued

Rodent trapping at 10 homes, six occupied by confirmed case-patients, yielded 54 rodents; four common species accounted for 98% of captured rodents and were identified tentatively as *Zygodontomys brevicauda* (25 [46%]), *Sigmodon hispidus* (14 [26%]), *Mus musculus* (eight [15%]), and *Oligoryzomys* sp. (six [11%]). Although only 5% of traps captured rodents, reports from GMIHS indicated a recent increase in peridomestic rodents associated with increased rainfall and flooding in surrounding areas.

To prevent additional hantavirus transmission to humans, MOH disseminated information to the Los Santos community about risk-reduction measures and to physicians about how to recognize patients and manage HPS. A public awareness and riskreduction campaign was implemented nationwide and included televised public service announcements and distribution of educational posters and pamphlets. In addition, an outbreak communication center was established and staffed 24 hours a day by specially trained physicians, public health officials, and health educators to collect reports of suspected HPS cases and to answer questions from the public and health-care providers about hantaviruses. MOH physicians are contacting hospitals nationwide to promote HPS awareness, to evaluate suspected cases, and to provide treatment guidance on the basis of standard HPS criteria and guidelines (*3*).

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Editorial Note: HPS is a pan-American zoonosis identified in 1993 with confirmed cases ranging from Canada and the United States to southern South America (*2*,*4*). HPS is attributed to infection with New World hantaviruses maintained by natural hosts in the rodent family Muridae, subfamily Sigmodontinae. Infection in humans occurs after inhalation of aerosolized virus or direct contact with infected rodents or their excreta. Person-to-person and nosocomial transmission have been documented only in Argentina with Andes virus (*5*). An increasing number of hantaviruses is being identified by genetic sequencing, including from the two RT-PCR–positive cases described in this report (*6*). On the basis of antigenic similarities, CDC has identified all cases using Sin Nombre antigens. The predominant viruses in the United States have been Sin Nombre and the closely related New York viruses, the reservoirs of which are *Peromyscus* spp. (deer mice and white-footed mice); *Peromyscus* spp. have caused 234 cases reported in the United States as of March 2000 (CDC, unpublished data, 2000).

The epidemiology of HPS is closely related to the ecology of the rodent reservoir populations. Increased U.S. incidence of HPS has been linked to periods of above average rainfall in normally dry areas of the southwestern United States resulting in improved habitat quality and increased numbers of infected reservoir rodents (7). Blood and tissue samples from the captured species of sigmodontine rodents in Panama will be tested for hantavirus antibody and RNA to identify the specific reservoir. Preliminary

Hantavirus Pulmonary Syndrome — Continued

data indicate that rainfall in parts of Los Santos was unusually high during the fall and winter of 1999. A possible association between increased precipitation and increased numbers of reservoir rodents in the affected and surrounding areas is being explored. Sigmodontine rodents occur throughout the Americas, but HPS never has been found between Texas and Brazil. However, the discovery of HPS in Panama was expected and should lead to increased vigilance for the syndrome in Mexico, Central America, and northern South America.

Because no specific therapy exists for HPS, prevention measures should be taken to avoid contact with wild rodents, including preventing entry of wild rodents into human dwellings; eliminating food and shelter for rodents in the peridomestic environment; safe trapping (using kill-traps) and disposal of wild rodents that enter homes; and careful cleaning and disinfecting of areas in and around homes that have been contaminated by rodents (*8*). Reports of HPS and requests for diagnostic testing and epidemic assistance can be directed to CDC's National Center for Infectious Diseases, Division of Viral and Rickettsial Diseases, Special Pathogens Branch, telephone (404) 639-1511. Information about HPS can be found on the CDC World-Wide Web site, http://www.cdc.gov/ncidod/ diseases/hanta/hps/index.htm.

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Outbreaks of Norwalk-like Viral Gastroenteritis — Alaska and Wisconsin, 1999

Norwalk-like viruses (NLVs) are the most common cause of epidemic gastroenteritis in the United States, resulting in illness in approximately 23 million persons each year (1,2). Persons of all ages are affected because previous infection confers only shortterm immunity (3). Most NLV gastroenteritis outbreaks involve foodborne or person-toperson transmission. This report presents investigations of a foodborne NLV outbreak in Alaska and person-to-person transmission in Wisconsin. Norwalk-like Viral Gastroenteritis — Continued

Alaska

On November 10, 1999, a company in Anchorage notified the Alaska Division of Public Health that an estimated 20% of its 500 employees had called in sick. Ill workers reported signs and symptoms of acute gastroenteritis (AGE)—primarily nausea, diarrhea, and vomiting—following a restaurant-catered company luncheon on November 8.

On November 11, questionnaires were e-mailed to 500 company employees; 456 (91%) were returned. A case was defined as nausea, vomiting, or diarrhea occurring in a company employee 1–96 hours after eating the restaurant food. Because the same batches of food served at the luncheon were available at the restaurant during the 4 days following the luncheon, 56 restaurant patrons were identified from credit card receipts to determine whether any were ill. Sanitarians investigated the restaurant facilities and interviewed foodhandlers. Stool samples were collected from ill luncheon attendees, foodhandlers, and ill restaurant patrons.

Of 343 company employees who completed a questionnaire and ate luncheon food, 191 (56%) had an illness meeting the case definition. Among ill luncheon attendees, symptoms included nausea (87%), diarrhea (80%), abdominal pain (75%), chills (73%), vomiting (70%), and headache (65%). Illness onsets occurred a median of 33 hours after eating the lunch (range: 6–96 hours) (Figure 1), and the median duration of illness was 24 hours (range: 5–120 hours). Of 236 luncheon attendees who ate potato salad, 183 (78%) became ill. In addition, eight (89%) of nine restaurant patrons who responded ate potato salad and became ill. Among luncheon attendees, eating potato salad was associated strongly with illness (odds ratio=42.7; 95% confidence interval=18.6–101.7). The potato

FIGURE 1. Number of cases of Norwalk-like viral gastroenteritis among company employees, by date and time* of symptom onset — Anchorage, Alaska, November 8–13, 1999



*6-hour intervals.

Norwalk-like Viral Gastroenteritis — Continued

salad was prepared 2 days before the luncheon by two foodhandlers, one of whom was ill. The ill foodhandler used bare hands to mix the ingredients in a 12-gallon plastic container.

Stool samples from 11 ill luncheon attendees, three foodhandlers, and two ill restaurant patrons were tested. No bacterial pathogens were isolated. Thirteen specimens tested at CDC by reverse transcriptase-polymerase chain reaction (RT-PCR) were positive for NLV: 10 from ill luncheon attendees, one from the ill foodhandler, and two from restaurant patrons. RT-PCR products from one luncheon attendee, one restaurant patron, and the implicated foodhandler had identical nucleotide sequences.

Wisconsin

During November 30–December 1, 1999, seven students living on the same floor of a university residence hall with shared bathroom facilities developed signs and symptoms of AGE, including nausea, vomiting, and diarrhea. They were taken to local emergency departments. In conjunction with the Madison Department of Public Health and the Wisconsin Division of Public Health, the University Health Service initiated an investigation on December 1.

All residents of the involved floor were administered a symptom, event, and food history questionnaire. A case of AGE was defined as vomiting or three or more loose stools within a 24-hour period in a hall resident during November 27–December 3. Specimen kits were distributed to all hall residents for stool sample collection.

Of the 36 hall residents, all returned from Thanksgiving break during November 27–29. Nineteen (53%) of the residents had illnesses meeting the case definition. Signs and symptoms of illness among the case patients included fatigue (100%), vomiting (95%), chills (95%), body aches (84%), diarrhea (74%), abdominal cramps (63%), muscle aches (58%), headache (58%), and subjective fever (44%). The cases clustered in time into four groups (Figure 2). The probable index case-patient had multiple episodes of diarrhea and vomiting between 7 p.m. on November 28 and 6:30 a.m. on November 29. Twelve case-patients had illness onsets between noon on November 30 and noon on December 1 (secondary), five had illness onsets between noon on December 1 and noon December 2 (tertiary), and one had illness onset early in the morning of December 3. The mean illness duration was approximately 24 hours (range: 3.5–33 hours). None of the seven patients treated in emergency departments was hospitalized. No particular event, meal, food, or beverage was associated with illness. Only one person with a secondary case reported exposure to someone who was vomiting before illness onset. Three of the five persons with tertiary cases reported exposure to someone who was vomiting during the previous 36 hours.

Stool specimens were obtained from eight case-patients. Seven were tested for bacterial pathogens at the Wisconsin State Laboratory of Hygiene (WSLH), and all were negative. Five of seven stool specimens tested at WSLH were positive by RT-PCR for NLV. The five positive specimens were obtained from the index case-patient, three from secondary case-patients, and one from a tertiary case-patient (Figure 2). The nucleotide sequences of RT-PCR products from four case-patients (the index case-patient and two secondary and the tertiary case-patients) were determined at CDC and were identical.

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Norwalk-like Viral Gastroenteritis — Continued





*6-hour intervals.

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Editorial Note: These two outbreaks illustrate two principal modes of epidemic NLV transmission: consuming contaminated food and person-to-person transmission. In a study of 51 NLV outbreaks, modes of transmission included foodborne (excluding oysters) (37%), person-to-person (20%), consuming contaminated oysters (10%), waterborne (6%), and indeterminate (27%) (1). Person-to-person transmission, including direct contact, aerosol, and fomite exposure, generally has been reported in outbreaks involving elder-care settings, hospitals, or cruise ships (1,4).

The low infectious dose of NLVs permits efficient transmission. The Alaska outbreak was associated with eating contaminated potato salad. In this outbreak, an ill foodhandler contaminated enough potato salad to cause illness in at least 200 persons. Evidence from the Wisconsin outbreak, particularly the grouping of cases, suggests that NLV was transmitted person-to-person. Because of the close living quarters and shared bathroom facilities, direct and fomite transmission most likely occurred. Less likely is that secondary case illnesses resulted from aerosol transmission of NLV; only one ill person reported exposure to someone who was vomiting. However, aerosol transmission may have contributed to subsequent NLV spread because three persons with tertiary cases reported exposure to secondary case-patients who were vomiting.

Basic sanitary measures, such as diligent handwashing, can prevent foodborne transmission. In addition, ill workers should be excluded from food handling, and food preparers should minimize direct contact with ready-to-eat foods. Because improper food handling

Norwalk-like Viral Gastroenteritis — Continued

can result in large numbers of persons becoming ill, maintaining food-safety programs is an essential function of public health departments. Constant education of food handling staff and on-site inspections of food preparation facilities, including observation of food handling practices, are basic activities of effective food-safety programs.

Populations in shared living arrangements, such as residence halls, are at greater risk for viral gastroenteritis acquired by person-to-person transmission. Residents in such facilities should use good hygienic practices, especially handwashing. Bathrooms should be kept visibly clean (5), and potentially contaminated areas should be cleaned as soon as possible after someone has been ill.

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Notice to Readers

Update: West Nile Virus Isolated from Mosquitoes — New York, 2000

During January–February 2000, three pools of overwintering *Culex* spp. mosquitoes collected at Fort Totten, New York, were positive for West Nile Virus (WNV) RNA by realtime reverse transcriptase polymerase chain reaction (RT-PCR) assay (TaqMan[™], Perkin-Elmer Biosystems, Foster City, California*) (1). Additional testing to detect the presence of intact virus was performed but was negative as of March 10, 2000. Since then, one of the pools that was positive by RT-PCR yielded a live WNV isolate in a fluid vero cell culture system and confirmed by West Nile-specific monoclonal antibody staining of virus infected cells and virus gene sequencing. Studies of this isolate continue.

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^{*}Use of trade names is for identification only and does not imply endorsement by CDC or the U.S. Department of Health and Human Services.

Notices to Readers — Continued

Notice to Readers

National Colorectal Cancer Awareness Month — March 2000

Colorectal cancer is the second leading cause of cancer-related deaths in the United States (1). In 2000, approximately 130,000 cases of the disease will be diagnosed, and more than 56,000 deaths will be attributed to this cancer (1). Randomized controlled trials show that screening by fecal occult blood testing can decrease the death rate of this disease by as much as 30%, and prospective observational data suggest that endoscopic removal of premalignant polyps can decrease the incidence 75% to 90% (2,3). Because screening is effective in reducing morbidity and mortality from colorectal cancer, a number of professional societies, government agencies, and voluntary health organizations recommend screening for colorectal cancer for persons aged \geq 50 years (4). Despite recommendations for screening, research indicates that many who are at risk for colorectal cancer are not being screened (5).

Because of the impact of colorectal cancer on the nation's health, the U.S. Senate declared March 2000 as the first National Colorectal Cancer Awareness Month. The purpose of this designation is to increase public awareness about the disease burden associated with colorectal cancer and to encourage people aged \geq 50 years to reduce their risk for colorectal cancer through regular screening examinations. Additional information about the month, special events, and resource materials are available on the World-Wide Web at http://www.preventcancer.org/colorectal.htm.* Information on CDC's national colorectal cancer action campaign *Screen for Life* is available at http:// www.cdc.gov/cancer/screenforlife.

References

- 1. American Cancer Society. Cancer facts and figures, 2000. Atlanta, Georgia: American Cancer Society, 2000; publication no. 5008.00.
- Mandel JS, Bond JH, Church TR, et al. Reducing mortality from colorectal cancer by screening for fecal occult blood: Minnesota Colon Cancer Control Study. N Engl J Med 1993;328:1365–71.
- 3. Winawer SJ, Zauber AG, Ho MN, et al. Prevention of colorectal cancer by colonoscopic polypectomy: The National Polyp Study Workgroup. N Engl J Med 1993;329:1977–81.
- 4. Winawer SJ, Fletcher RH, Miller L, et al. Colorectal cancer screening: clinical guidelines and rationale. Gastroenterology 1997;112:594–642.
- 5. CDC. Screening for colorectal cancer—United States, 1997. MMWR 1999;48:116–21.

^{*}References to sites of non-CDC organizations on the World-Wide Web are provided as a service to *MMWR* readers and do not constitute or imply endorsement of these organizations or their programs by CDC or the U.S. Department of Health and Human Services. CDC is not responsible for the content of pages found at these sites.

Notices to Readers — Continued Notice to Readers

Introduction to Public Health Surveillance Course

CDC and Emory University's Rollins School of Public Health will cosponsor a course, "Introduction to Public Health Surveillance" during May 22–26, 2000, at Emory University in Atlanta, Georgia. The course is designed for state and local public health professionals.

The course will provide practicing public health professionals with the theoretic and practical tools necessary to design, implement, and evaluate effective surveillance programs. Topics include overview and history of surveillance systems; planning considerations; sources and collection of data; analysis, interpretation, and communication of data; surveillance systems technology; ethics and legalities; state and local concerns; and future considerations. There is a tuition charge.

Deadline for applications is April 1. Additional information and applications are available from Emory University, International Health Dept., 1518 Clifton Rd., N.E., Room 746, Atlanta, GA 30322; telephone (404) 727-3485; fax (404) 727-4590; or World-Wide Web site http://www.sph.emory.edu/EPICOURSES*; or e-mail pvaleri@sph.emory.edu.

Errata: Vol. 49, No. 9

In the article "Update: Pulmonary Hemorrhage/Hemosiderosis Among Infants— Cleveland, Ohio, 1993–1996," two errors occurred on page 181. In the paragraph under Case Identification, words were omitted from the sentence that begins on the ninth line, which should read, "Therefore, in referring to the cluster of cases in Cleveland, the working group defined that cluster as *acute idiopathic pulmonary hemosiderosis* (AIPH) in infants." The heading for the second section on that page had transposed words and should read, "Association of *AIPH with Household* Water Damage and Fungi."

In the article "Update: Influenza Activity—United States, 1999–2000 Season," on page 176 in Figure 2, the † and § symbols were omitted from two of the figure labels. The footnotes should appear as "Percentage of patient visits to sentinel physicians for influenza-like illness[†]" and "Number of state and territorial epidemiologists reporting widespread or regional influenza activity[§]".

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FIGURE I. Selected notifiable disease reports, comparison of provisional 4-week totals ending March 11, 2000, with historical data - United States

*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.

TABLE I. Summary — provisional cases of selected notifiable diseases, United States, cumulative, week ending March 11, 2000 (10th Week)

		Cum. 2000		Cum. 2000
Anthrax		-	HIV infection, pediatric*	34
Brucellosis*		3	Plaque	2
Cholera		_	Poliomvelitis, paralytic	-
Congenital rul	pella syndrome	1	Psittacosis*	4
Cyclosporiasis	*	2	Rabies, human	-
Diphtheria		-	Rocky Mountain spotted fever (RMSF)	23
Encephalitis:	California* serogroup viral	1	Streptococcal disease, invasive Group A	550
•	eastern equine*	-	Streptococcal toxic-shock syndrome*	25
	St. Louis*	-	Syphilis, congenital [¶]	-
	western equine*	-	Tetanus	2
Ehrlichiosis	human granulocytic (HGE)*	14	Toxic-shock syndrome	28
	human monocytic (HME)*	1	Trichinosis	1
Hansen Diseas	se*	7	Typhoid fever	56
Hantavirus pu	Imonary syndrome*†.	-	Yellow fever	-
Hemolytic ure	mic syndrome, post-diarrheal*	14		

-: no reported cases

*Not notifiable in all states. *Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (NCID). *Updated monthly from reports to the Division of HIV/AIDS Prevention–Surveillance and Epidemiology, National Center for HIV,

STD, and TB Prevention (NCHSTP), last update February 27, 2000.

¹Updated from reports to the Division of STD Prevention, NCHSTP.

							Escherichia coli O157:H7*					
	AIE	DS	Chlan	nydia®	Cryptosp	oridiosis	NET	SS	PH			
Reporting Area	2000 [†]	Cum. 1999	2000	Cum. 1999	2000	1999	2000	Cum. 1999	2000	Cum. 1999		
UNITED STATES	6,288	6,945	92,763	126,196	183	264	246	206	123	176		
NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn.	511 6 5 1 370 17 112	352 5 13 4 238 20 72	3,803 247 155 109 1,506 424 1,362	3,991 141 199 89 1,735 412 1,415	7 1 - 5 - 1 -	11 1 1 7 - 1	21 1 4 7 - 8	31 2 1 1 18 - 9	18 1 3 2 4 - 8	31 - - 16 1 13		
MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa.	1,592 65 986 387 154	1,492 76 835 370 211	4,001 N - 637 3,364	14,785 N 7,244 2,433 5,108	19 12 4 3	51 19 26 2 4	23 23 - N	13 9 1 3 N	20 20 - -	2 - 1 1 -		
E.N. CENTRAL Ohio Ind. III. Mich. Wis.	590 92 56 353 67 22	489 97 52 231 81 28	16,192 3,877 2,254 4,453 4,191 1,417	19,901 6,536 2,135 5,108 3,866 2,256	19 12 3 - 4	50 6 3 6 7 28	29 9 3 9 8 N	38 20 8 5 5 N	8 3 - 2 2	23 7 7 3 3 3		
W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans.	151 32 10 70 - 2 7 30	161 28 13 84 3 10 20	4,620 1,098 605 902 - 347 611 1,057	7,976 1,493 446 3,643 175 398 728 1,093	11 3 1 3 1 1 2	19 10 4 - 1 1 2	60 11 30 2 - 2 4	38 10 5 3 2 - 4 14	27 10 4 8 1 - 2 2	48 12 2 1 31		
S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla.	1,531 26 153 112 115 6 75 156 183 705	1,832 31 252 69 102 14 125 128 207 904	20,330 546 1,185 552 2,761 267 6,859 669 3,054 4,437	27,019 592 2,600 N 2,973 452 4,357 4,596 5,554 5,895	33 - - - 3 - 20 8	39 - 4 3 - - 1 - 27 4	24 5 5 2 6 - 2 4	21 1 - 6 - 5 1 1 6	- 15 - 1 5 1 1 - 3 4	11 - - 2 1 4 1 U 3		
E.S. CENTRAL Ky. Tenn. Ala. Miss.	281 37 105 92 47	300 37 130 69 64	8,495 1,531 2,243 2,810 1,911	8,500 1,486 2,676 2,848 1,490	6 - - 6 -	2 1 1 -	10 4 5 1	16 5 6 2 3	6 2 4 -	11 4 3 3 1		
W.S. CENTRAL Ark. La. Okla. Tex.	542 20 92 16 414	980 34 67 19 860	15,793 844 2,232 1,517 11,200	16,368 1,077 1,680 1,500 12,111	6 1 - 1 4	15 - 12 1 2	10 4 - 3 3	7 2 3 1 1	11 1 6 3 1	10 2 - 6		
MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev.	213 3 1 52 26 56 28 44	207 3 56 9 86 27 21	3,637 64 156 658 334 1,407 431 587	6,683 210 371 1,458 918 2,617 339 619	12 1 1 1 1 2 5	22 1 2 10 7 N	26 8 3 2 8 - 3 1 1	14 - 1 4 1 3 5 -	8 - 2 2 - 3 1	11 - 2 1 - 1 5 1		
PACIFIC Wash. Oreg. Calif. Alaska Hawaii	877 102 22 727 26	1,132 58 32 1,021 5 16	15,892 2,473 900 12,276 243	20,973 2,354 1,162 16,472 370 615	70 N 1 69 -	55 N 3 52 -	43 5 5 30 - 3	28 1 12 15 -	10 3 4 - 3	29 12 9 8 -		
Guam P.R. V.I. Amer. Samoa C.N.M.I.	9 153 6 - -	1 215 3 -	142 - -	88 U U U U		- U U U	N - - -	N 1 U U U	U U U U			

 TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending March 11, 2000, and March 13, 1999 (10th Week)

N: Not notifiable U: Unavailable -: no reported cases C.N.M.I.: Commonwealth of Northern Mariana Islands * Individual cases may be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS). * Updated monthly from reports to the Division of HIV/AIDS Prevention–Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention, last update February 27, 2000. * Chlamydia refers to genital infections caused by *C. trachomatis.* Totals reported to the Division of STD Prevention, NCHSTP.

	Gono	rrhea	Hepatitis C/NA,NB		Legio	nellosis	L' Dis	yme sease
Benorting Area	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.
UNITED STATES	58,274	69,210	340	667	110	175	536	824
NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn.	1,153 15 14 8 431 100 585	1,437 10 17 13 566 108 723		2 - 1 1 - -	5 2 1 - 1 - 1	11 2 1 3 2 1 2	61 15 39 7	181 1 - 79 2 99
MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa.	2,921 900 319 1,702	8,338 946 3,539 1,465 2,388	10 10 - -	29 17 - 12	18 9 - 9 9	47 10 8 5 24	375 155 2 218	462 99 16 107 240
E.N. CENTRAL Ohio Ind. III. Mich. Wis.	10,287 2,227 1,039 3,000 3,138 883	12,058 3,217 1,301 3,769 2,780 991	50 - - 3 47 -	351 - - 96 249	30 17 4 1 7 1	54 15 4 10 15 10	2 - - U	31 9 1 2 1 18
W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans.	1,612 434 133 367 51 195 432	3,844 551 169 2,309 12 33 339 431	47 - 42 - 1 4	43 - - 38 - - 1 4	4 1 2 - - - -	6 - 3 2 - - 1 -	19 4 - 4 - 1 11	9 1 2 1 - - 3
S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla.	15,400 287 543 463 1,689 64 6,489 574 2,083 3,208	20,954 336 3,113 1,426 2,152 120 3,875 2,199 3,579 4,154	19 - - 1 7 - 9	41 - 18 - 2 9 5 1 -	27 2 7 3 N 3 2 10	20 2 4 - 2 N 4 4 4 4	57 1 42 - 3 4 4 - 3	98 4 80 - 1 11 11 - -
E.S. CENTRAL Ky. Tenn. Ala. Miss.	6,218 621 1,815 2,244 1,538	6,861 745 2,162 2,529 1,425	54 6 17 3 28	43 5 22 1 15	2 - 1 1 -	11 5 5 1	- - - -	12 - 4 5 3
W.S. CENTRAL Ark. La. Okla. Tex.	16,044 438 9,531 697 5,378	9,148 495 1,656 799 6,198	77 3 31 43	72 2 57 1 12	- - - -	1 - 1 -	- - - -	- - - -
MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev.	1,535 4 14 734 62 440 61 220	1,934 3 24 7 417 184 999 36 264	46 - 31 7 4 4 - -	54 4 19 7 7 11 1 1	8 - - - - 3 -	12 - - 1 1 5 4	1 - - - 1 - -	2 - 1 - - -
PACIFIC Wash. Oreg. Calif. Alaska Hawaii	3,104 464 95 2,516 29	4,636 395 176 3,888 71 106	37 4 8 25 -	32 2 4 26 -	16 5 N 11 -	13 2 N 11 -	21 - 1 20 - N	29 - 1 28 - N
Guam P.R. V.I. Amer. Samoa C.N.M.I.	- 30 - -	15 59 U U U	- 1 - -	- U U U	- - - -	- U U U	- N - -	- N U U U

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States,
weeks ending March 11, 2000, and March 13, 1999 (10th Week)

N: Not notifiable U: Unavailable

- : no reported cases

					Salmonellosis*						
	Mal	aria	Rabies	, Animal	NE	rss	PH	ILIS			
Reporting Area	Cum. 2000	Cum. 1999	Cum. 2000	Cum. 1999	Cum. 2000	Cum. 1999	Cum. 2000	Cum. 1999			
UNITED STATES	129	231	696	890	3,675	4,640	1,959	4,254			
NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn.		4 - - 4 - -	82 16 2 6 26 - 32	124 19 5 20 33 12 35	237 25 18 6 136 3 49	242 24 3 11 144 12 48	215 9 8 4 132 12 50	264 14 11 11 140 25 63			
MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa.	14 9 2 - 3	75 18 32 18 7	148 118 U 18 12	186 116 U 43 27	313 99 114 100	714 129 225 185 175	245 45 178 22	533 163 217 148 5			
E.N. CENTRAL Ohio Ind. III. Mich. Wis.	8 2 1 2 3	24 2 4 10 5 3	2 2 - - -	1 - - 1 -	473 151 50 147 85 40	723 159 41 219 173 131	241 70 44 - 88 39	613 121 43 222 158 69			
W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans.	6 4 - - 1 1	8 - 6 - - -	70 21 7 9 18 - 13	128 16 18 5 15 33 1 40	207 42 19 69 2 10 27 38	249 64 33 59 1 8 18 66	163 48 14 53 10 12 7 19	279 100 32 78 11 14 18 26			
S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla.	40 19 12 4 - 5	55 - 20 6 9 1 3 - 6 10	306 10 66 21 64 20 28 22	315 6 80 69 15 67 23 28 27	722 9 113 - 71 22 156 57 104 190	843 15 100 18 93 13 182 47 178 197	389 7 87 58 12 67 41 117	769 15 95 U 100 19 161 56 223 100			
E.S. CENTRAL Ky. Tenn. Ala. Miss.	4 1 - 3 -	5 1 2 2	24 5 16 3	47 14 19 14	188 29 49 76 34	287 61 84 79 63	90 17 47 23 3	184 U 80 54 10			
W.S. CENTRAL Ark. La. Okla. Tex.	1 - 1 -	9 1 6 1 1	8 - - 8 -	19 - - 19 -	205 35 24 27 119	335 50 49 37 199	238 22 68 18 130	449 42 61 22 324			
MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev.	11 1 - 5 - 2 2 1	10 1 3 1 3 1 3	28 9 - 14 - 2 3 -	23 10 - 6 1 - 6 -	335 17 22 6 75 38 90 55 32	336 4 13 2 94 42 111 40 30	231 - 3 58 28 93 49	335 1 6 100 44 95 48 23			
PACIFIC Wash. Oreg. Calif. Alaska Hawaii	45 2 5 38 -	41 2 7 29 - 3	28 - 21 7 -	47 - 44 3 -	995 42 52 847 12 42	911 44 71 729 6 61	147 59 58 - 2 28	828 123 90 554 5 56			
Guam P.R. V.I. Amer. Samoa C.N.M.I.		- - U U	- 6 - -	9 U U U	10 - -	13 57 U U U	U U U U	U U U U			

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States,
weeks ending March 11, 2000, and March 13, 1999 (10th Week)

N: Not notifiable U: Unavailable -: no reported cases *Individual cases may be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

	NFT	Shigel	losis* Pl		Sy (Primary 8	ohilis Secondary)	Tuberculosis	
	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.
Reporting Area	2000	1999	2000 873	1999 1 267	2000 1 278	1999 1 298	2000 1 397	1999 [†]
NEW ENGLAND Maine N.H. Vt. Mass. B I	2,203 53 2 1 1 36 5	2,300 54 1 2 3 35 9	40 - 1 - 28 4	58 - 5 3 36 7	1,270 11 - - 9 1	13 - - 1 8 1	1,337 - 1 - 25 2	59 1 - 26 15
Conn. MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa	8 111 66 32 - 13	4 187 37 65 56 29	7 89 27 54 8	7 112 19 47 46	1 19 6 2 11	3 57 6 20 14 17	9 278 16 187 69 6	17 365 26 183 91 65
E.N. CENTRAL Ohio Ind. III. Mich. Wis.	344 21 52 102 161 8	423 144 17 157 49 56	115 4 9 - 99 3	187 14 8 146 6 13	233 12 87 66 56 12	189 18 48 90 26 7	166 31 15 103 11 6	208 57 16 88 36 11
W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. S. Dak. Nebr. Kans	152 35 23 73 - 1 14	119 18 2 74 1 - 8 16	85 38 20 20 - - 4 3	99 19 3 66 1 - 4	15 2 6 5 - 1	52 2 1 45 - 1 3	80 28 7 34 - 3 2 6	66 32 - 27 - 3 1 3
S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla.	284 1 20 - 12 1 18 3 20 209	358 5 22 15 14 3 51 20 39 189	48 - 5 U 12 1 5 1 3 21	82 1 5 U 5 1 22 7 17 24	294 1 57 13 20 1 92 11 44 55	490 1 103 33 3 1 118 45 88 68	226 - 30 - 8 35 18 88 47	354 4 36 8 17 7 52 70 69 91
E.S. CENTRAL Ky. Tenn. Ala. Miss.	105 22 57 8 18	286 26 210 28 22	55 U 39 1 2	173 U 143 11	152 14 97 24 17	227 24 109 59 35	103 - 48 55 -	120 10 42 55 13
W.S. CENTRAL Ark. La. Okla. Tex.	174 40 18 9 107	374 29 26 101 218	176 3 23 4 146	425 20 24 24 357	472 11 351 36 74	187 19 25 48 95	19 13 - 6 -	365 14 U 15 336
MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev.	189 22 1 26 24 70 5 41	151 3 2 31 15 82 10 6	55 - 1 14 13 21 6 -	81 2 1 20 12 34 10 2	27 - - 3 3 19 - 2	32 - - - 32 -	57 - - 6 12 15 7 17	64 - - U 11 27 11 15
PACIFIC Wash. Oreg. Calif. Alaska Hawaii	851 148 75 617 2 9	414 11 8 383 - 12	210 162 43 - 5	50 27 11 - 12	55 9 2 44 -	51 5 1 44 - 1	431 35 371 9 16	621 25 17 544 7 28
Guam P.R. V.I. Amer. Samoa C.N.M.I.	- 1 - -	2 7 U U U	U U U U	U U U U	20 - -	- 48 U U U	- - - -	- - U U U

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending March 11, 2000, and March 13, 1999 (10th Week)

N: Not notifiable U: Unavailable -: no reported cases *Individual cases may be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS). *Cumulative reports of provisional tuberculosis cases for 1999 are unavailable ("U") for some areas using the Tuberculosis Information System (TIMS).

	ienzae,	H	lepatitis (V	iral), by ty	De			Meas	les (Rubec	s (Rubeola)			
	inva	sive	Α	·	В		Indige	nous	Impo	rted*	Tota	I	
Reporting Area	Cum. 2000 [†]	Cum.	Cum. 2000	Cum.	Cum.	Cum.	2000	Cum. 2000	2000	Cum. 2000	Cum.	Cum.	
UNITED STATES	199	243	2,070	3,354	795	1,022		3	-	-	3	21	
NEW ENGLAND	14	18	43	40	9	31	-	-	-	-	-	1	
Maine N H	- 3	2	1	2 4	1	- 2	-	-		-	-	- 1	
Vt.	2	3	2	-	2	1	-	-	-	-	-	-	
Mass. R.I.	9	10	10	17	1	15 2	-	-	-	-	-	-	
Conn.	-	1	23	17	-	11	-	-	-	-	-	-	
MID. ATLANTIC	23	39 16	88	222	72	164	-	-	-	-	-	-	
N.Y. City	5	10	50 38	68	54	29 49	-	-	-	-	-	-	
N.J. Pa	4	12 1	-	30 73	-	22 64	-	-	-	-	-	-	
F.N. CENTRAL	22	.34	234	775	96	104	-	3	-	-	3	-	
Ohio	14	14	80	151	23	21	-	2	-	-	2	-	
Ind. III.	3	15	3 44	12	5	4	-	-	-	-	-	-	
Mich.	3	3	101	439	68	72	-	1	-	-	1	-	
WIS.	6	16	223	171	/7	53			_				
Minn.	-	4	20	4	3	3	-	-	-	-	-	-	
lowa Mo.	- 2	3 3	26 124	24 107	9 22	9 28	-	-	-	-	-	-	
N. Dak.	1	-	-	-	-		-	-	-	-	-	-	
Nebr.	- 1	1	8	18	4	- 8	-	-	-	-	-	-	
Kans.	2	4	55	18	8	5	-	-	-	-	-	-	
S. ATLANTIC	58	51	230	238	154	150	-	-	-	-	-	-	
Md.	19	19	28	74	24	40	-	-	-	-	-	-	
D.C. Va.	11	2 5	33	21	- 25	5 13	-	-	-	-	-	-	
W.Va.	1	1	22 52	1	-	-	-	-	-	-	-	-	
S.C.	1	2	3	3	1	19	-	-	-	-	-	-	
Ga. Fla.	16 5	13 4	27 65	78 22	2 47	23 6	-	-	-	-	-	-	
E.S. CENTRAL	12	15	70	95	51	86	-	-	-	-	-	-	
Ky.	7	3	4	17	8	7	-	-	-	-	-	-	
Ala.	2	5	14	23	5	17	-	-	-	-	-	-	
Miss.	-	2	31	13	10	18	-	-	-	-	-	-	
W.S. CENTRAL	14	17	300	580 7	35	111 11	-	-	-	-	-	2	
La.	2	6	8	35	17	40	U	-	U	-	-	-	
Tex.	- 12	9 2	68 191	424	9	21 39	-	-	-	-	-	2	
MOUNTAIN	27	30	138	352	67	87	-	-	-	-	-	-	
Mont.	- 1	1	1	4	3	1	-	-	-	-	-	-	
Wyo.	-	1	3	1	-	-	-	-	-	-	-	-	
Colo. N. Mex.	9 8	1 6	36 19	67 6	20 15	18 27	-	-	2	-	-	-	
Ariz.	7	17	50	216	19	18	U	-	U	-	-	-	
Nev.	-	-	12	34	3	12	-	-	-	-	-	-	
PACIFIC	23	23	734	881	264	236	-	-	-	-	-	18	
Wash. Oreg	2	- 8	33 49	55 54	7 19	3 17	-	-	-	-	-	3	
Calif.	4	14	649	767	234	206	-	-	-	-	-	7	
Alaska Hawaii	1 9	1-	3	3	3	6 4	-	-	-	-	-	-	
Guam	-	-	-	2	-	2	U	-	U	-	-	-	
P.R.	-	-	15	14 11	8	21	U	-	U	-	-	-	
Amer. Samoa	-	Ŭ	-	Ŭ	-	Ŭ	Ŭ	-	Ŭ	-	-	Ŭ	

TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending March 11, 2000, and March 13, 1999 (10th Week)

N: Not notifiable U: Unavailable - : no reported cases *For imported measles, cases include only those resulting from importation from other countries. *Of 50 cases among children aged <5 years, serotype was reported for 20 and of those, 3 were type b.

	Mening Dis	jococcal ease	Mumps				Pertussis		Rubella		
Reporting Area	Cum. 2000	Cum. 1999	2000	Cum. 2000	Cum. 1999	2000	Cum. 2000	Cum. 1999	2000	Cum. 2000	Cum. 1999
UNITED STATES	460	536	4	70	81	37	694	913	2	5	6
NEW ENGLAND	26	30	-	-	3	3	179	106	-	1	2
Maine N.H.	2	3	-	-	- 1	- 1	7 35	- 17	-	- 1	-
Vt.	1	2	-	-	-	-	42	9	-	-	-
R.I.	17	19	-	-	2	-	85 6	/6 2	-	-	- 2
Conn.	6	1	-	-	-	2	4	2	-	-	-
MID. ATLANTIC	35	57	1	4	12	6	59	97	2	2	-
N.Y. Citv	8	9 21	-	2	2	6	- 38	57 10	2	2	-
N.J.	9	13	-	-	- 7	-	-	3	-	-	-
	10	14	-	2	/	-	21	2/	-	-	-
Ohio	55 15	84 30	-	8	9	4	127	66	-	-	-
Ind.	17	6	-	-	-	3	8	8	-	-	-
III. Mich.	4 15	31	-	4	3	1 -	5 6	18	-	-	-
Wis.	4	8	-	-	-	-	-	13	-	-	-
W.N. CENTRAL	45	67	-	10	2	4	25	31	-	2	-
Minn. Iowa	1	16 9	-	- 3	- 2	2	9 7	- 6	-	-	-
Mo.	31	22	-	1	-	1	3	6	-	-	-
N. Dak. S. Dak.	1 2	- 5	-	-	-	-	1	- 1	-	-	-
Nebr.	1	3	-	4	-	-	-	1	-	-	-
Kans.	1	12	-	2	-	-	4	17	-	2	-
S. ATLANTIC Del.	88	69 1	1	9	9	1	44 1	56	-	-	-
Md.	8	13	-	2	2	-	13	23	-	-	-
D.C. Va.	- 15	10	-	- 1	2	-	- 3	- 7	-	-	-
W.Va.	1	1	-	-	-	-	- 15	- 10	-	-	-
S.C.	6	10	1	4	2	1	10	5	-	-	-
Ga.	17 25	14 7	-	-	- 1	-	2	2	-	-	-
	20	י דא	-	-	1	-	- 17	-	-	-	-
Ky.	29 6	4/ 9	-	-	-	-	17	24 5	-	-	-
Tenn.	12	15 14	-	- 1	- 1	-	1	12	-	-	-
Miss.	1	9	-	-	-	-	-	1	-	-	-
W.S. CENTRAL	22	47	-	-	12	-	3	25	-	-	3
Ark.	3 12	9 24		-	- 2	ū	3	2	- 11	-	-
Okla.	7	11	-	-	1	-	-	3	-	-	
Tex.	-	3	-	-	9	-	-	18	-	-	3
MOUNTAIN	23	52	-	3	5	17	169 1	168 1	-	-	1
Idaho	2	6	-	-	-	4	28	71	-	-	-
Wyo. Colo	- 7	2 16	-	-	- 2	- 11	- 92	1 32	-	-	-
N. Mex.	4	7		1	Ň	2	29	7		-	-
Ariz. Utah	6 4	16 3	0	-	2	U	14 4	36 18	U -	-	- 1
Nev.	-	2	-	2	1	-	1	2	-	-	-
PACIFIC	137	83	2	35	28	2	71	287	-	-	-
Wash. Oreg.	6 13	12 20	1 N	2 N	N	1	20 16	62 3	-	-	-
Calif.	115	44	1	32	23	-	32	213	-	-	-
Alaska Hawaii	1 2	3	-	- 1	1 4	-	2	1	-	-	-
Guam	-	-	U	-	1	U	-	-	U	-	-
P.R.	-	2	Ū	-	-	Ū	-	-	Ū	-	-
Amer. Samoa	-	U	U	-	U	U	-	U	U	-	U
C.N.M.I.	-	U	U	-	U	U	-	U	U	-	U

TABLE III. (Cont'd) Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending March 11, 2000, and March 13, 1999 (10th Week)

N: Not notifiable U: Unavailable

- : no reported cases

		All Cau	ises, By	Age (Ye	ears)		P&I⁺	All Causes, By Age (Yea		ears)		P&I†			
Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	Total	Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	Total
NEW ENGLAND Boston, Mass. Bridgeport, Conn. Cambridge, Mass. Fall River, Mass. Hartford, Conn. Lowell, Mass. Lynn, Mass. New Bedford, Mas. New Haven, Conn Providence, R.I. Somerville, Mass. Springfield, Mass Waterbury, Conn.	510 157 62 11 23 26 19 55 24 39 65 55 34	379 106 50 9 20 U 20 13 24 28 U 4 36 29	84 29 10 2 1 U 5 4 - 8 U 13 4	34 18 1 2 U 1 2 - 1 U - 3 -	8 2 - - - 1 U 1 3 -	5 2 1 - - U - 1 U - 1	410 · 31 U 2 2 1 6 U · 5 3	S. ATLANTIC Atlanta, Ga. Baltimore, Md. Charlotte, N.C. Jacksonville, Fla Miami, Fla. Norfolk, Va. Richmond, Va. Savannah, Ga. St. Petersburg, F Tampa, Fla. Washington, De	1,203 U 179 123 . 141 116 51 65 Fla. 44 212 C. 176 I. 27	757 U 105 89 88 71 28 41 49 37 145 94 10	272 50 14 35 27 12 18 12 47 50 3	108 U 14 10 10 11 2 8 3 2 11 23 14	36 U 4 2 6 3 2 1 1 6 7 -	30 U 6 6 6 1 6 - - 3 2 -	87 U 12 19 6 8 4 7 12 5 10 4 -
Worcester, Mass. MID. ATLANTIC Albany, N.Y. Allentown, Pa. Buffalo, N.Y. Camden, N.J. Elizabeth, N.J. Erie, Pa.§	54 2,332 62 U 97 34 24 42 41	40 1,657 42 U 69 20 20 33 33	7 450 16 U 17 11 4 6	6 137 2 U 7 2 - 2 2	1 44 - U 1 - -	- 39 2 U 1 - 1	8 123 8 U 10 2 -	E.S. CENTRAL Birmingham, Al Chattanooga, Te Knoxville, Tenn. Lexington, Ky. Memphis, Tenn. Mobile, Ala. Montgomery, A Nashville, Tenn.	1,010 a. 219 nn. 71 127 32 251 78 la. 58 174	714 151 93 17 179 63 43 117	201 48 14 24 9 49 8 12 37	59 9 3 8 3 14 5 2 15	18 4 1 2 3 4 2 1 1	18 7 2 - 5 - 4	96 28 10 4 6 25 3 7 13
New York City, N.Y. Newark, N.J. Paterson, N.J. Philadelphia, Pa. Pittsburgh, Pa.§ Reading, Pa. Rochester, N.Y. Schenectady, N.Y. Scranton, Pa.§ Syracuse, N.Y. Trenton, N.J. Utica, N.Y. Yonkers, N.Y.	7. 1,216 U 35 342 51 28 139 24 46 86 88 38 27 U	853 U 26 226 35 23 105 18 39 63 28 24 U	234 U 6 79 10 1 26 5 6 15 5 3 U	285 U 3 19 2 1 3 1 1 4 3 - U	25 U 10 3 - 2 1 - 2 U	16 U - 8 1 3 4 - 2 1 - U	37 20 2 16 4 17 3 U	W.S. CENTRAL Austin, Tex. Baton Rouge, La Corpus Christi, T Dallas, Tex. El Paso, Tex. Ft. Worth, Tex. Houston, Tex. Little Rock, Ark. New Orleans, La San Antonio, Te Shreveport, La. Tulsa, Okla.	1,530 99 . 40 fex. 61 108 100 387 84 . U x. 240 68 127	1,021 66 27 43 148 74 69 219 60 U 177 48 90	311 21 9 11 45 22 21 86 14 U 40 15 27	116 4 5 12 5 2 5 6 U 15 3 7	45 4 4 3 23 2 U 3 - 2	37 2 7 3 5 8 2 U 5 2 1	131 8 7 14 9 7 34 3 U 19 13 14
E.N. CENTRAL Akron, Ohio Canton, Ohio Chicago, III. Cincinnati, Ohio Cleveland, Ohio Columbus, Ohio Dayton, Ohio Detroit, Mich. Evansville, Ind. Fort Wayne, Ind.	1,879 62 46 414 145 137 189 142 163 45 71	1,325 42 37 280 104 86 138 107 93 33 55	333 13 9 85 22 32 32 21 41 6 12	133 4 26 9 12 15 9 22 5 3	33 - 8 1 - 1 6 1	52 3 12 9 6 4 1 -	182 5 63 12 7 27 8 8 5 12 12	MOUNTAIN Albuquerque, N Boise, Idaho Colo. Springs, C Denver, Colo. Las Vegas, Nev. Ogden, Utah Phoenix, Ariz. Pueblo, Colo. Salt Lake City, U Tucson, Ariz.	986 .M. 111 49 olo. 62 123 205 37 88 23 tah 127 161	695 83 36 48 77 136 29 58 19 94 115	183 11 10 9 28 50 7 16 4 19 29	66 10 2 3 11 13 1 8 - 9 9 9	19 2 - 1 4 - 3 - 1 4	23 5 1 3 2 - 3 - 4	71 11 4 19 7 6 2 11 7
Gary, Ind. Grand Rapids, Mid Indianapolis, Ind. Lansing, Mich. Milwaukee, Wis. Peoria, III. Rockford, III. South Bend, Ind. Toledo, Ohio Youngstown, Ohio	16 ch. 51 45 124 46 U 52 79 o 52	8 38 U 35 92 37 U 39 57 44	2 5 U 9 17 4 U 6 14 3	54U -61U 453	1 U 1 3 U 1 3 2	4 U 6 1 U 2	2608-4039-	PACIFIC Berkeley, Calif. Fresno, Calif. Glendale, Calif. Honolulu, Hawa Long Beach, Cal Los Angeles, Ca Pasadena, Calif. Portland, Oreg. Sacramento, Cal	2,012 17 U if. 67 if. 77 if. 1,067 29 U if. U	1,467 11 58 55 57 774 23 U U	348 5 U 10 7 16 186 2 U U	123 1 3 2 69 3 U U	40 - - 1 21 - 1 U U	29 U 1 17 U U U	229 1 10 5 5 124 4 U U
W.N. CENTRAL Des Moines, Iowa Duluth, Minn. Kansas City, Kans. Kansas City, Mo. Lincoln, Nebr. Minneapolis, Min Omaha, Nebr. St. Louis, Mo. St. Paul, Minn. Wichita, Kans.	812 U 26 116 38 n. 201 92 87 117 90	593 U 19 26 88 31 152 65 47 95 70	144 U 3 13 18 2 33 19 24 17 15	48 U 2 3 5 4 11 5 11 4 3	18 U 1 3 4 - 2 2 4 1 1	9 U 1 1 3 1 1 - 1	88 U 7 6 19 12 3 11 7	San Diego, Calif San Francisco, C San Jose, Calif. Santa Cruz, Calif Seattle, Wash. Spokane, Wash. Tacoma, Wash. TOTAL	. 183 alif. U 176 f. 41 132 54 98 12,274 ¹	129 U 127 26 93 41 73 8,608	36 U 31 25 7 15 2,326	11 U 12 4 9 2 4 824	4 U 3 2 4 2 1 261	2 U 3 1 2 1 242	21 U 22 6 13 11 7 1,028

TABLE IV. Deaths in 122 U.S. cities,* week ending March 11, 2000 (10th Week)

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 or more. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included. Pneumonia and influenza. *Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks. *Total includes unknown ages.

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