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State-Specific Prevalence of Obesity Among Adults — United States, 2007

Obesity is associated with reduced quality of life, development of serious chronic conditions such as heart disease and diabetes, increased medical care costs, and premature death (1,2). A Healthy People 2010 objective is to reduce to 15% the proportion of adults who are obese (3). In 2005, no state met this target, and (based on self-reported height and weight) 23.9% of adults in the United States were obese (4). To update 2005 estimates of the prevalence of obesity in adults, CDC analyzed data from the 2007 Behavioral Risk Factor Surveillance System (BRFSS) survey. The results of that analysis indicated that 25.6% of respondents overall in 2007 were obese; the prevalence of obesity among adults remained above 15% in all states and was above 30% in Alabama, Mississippi, and Tennessee. Enhanced collaborative efforts among national, state, and community groups are needed to establish, evaluate, and sustain effective programs and policies to reduce the prevalence of obesity in the United States.

BRFSS is an ongoing, state-based, random-digit—dialed telephone survey of the noninstitutionalized U.S. civilian population aged ≥18 years. Survey data are used to monitor progress in achieving health objectives at the state level and in selected metropolitan statistical areas.* Data are weighted to the respondents' probabilities of being selected and to the age-, race-, and sex-specific populations from each state's annually adjusted census. In the 2007 BRFSS survey, Council of American Survey and Research Organizations (CASRO) response rates[†] among states ranged from 26.9% to 65.4% (median: 50.6%), and cooperation rates[§] ranged from 49.6% to 84.6% (median: 72.1%).

*Additional information is available at http://www.cdc.gov/brfss/smart.

Body mass index (BMI) (weight [kg] / height [m]²) was calculated from self-reported weight and height at the time of the survey. Obesity was defined as a BMI \geq 30.0. (1). To maintain consistency with previous analyses (4,5), respondents with self-reported weight \geq 500 pounds or height \geq 7 feet were excluded.

In the 2007 BRFSS survey, 25.6% of respondents overall were obese. Obesity prevalence was 26.4% for men and 24.8% for women (Table). By age group, obesity prevalence ranged from 19.1% for men and women aged 18–29 years to 31.7% and 30.2%, respectively, for men and women aged 50–59 years. By race/ethnicity and sex, obesity prevalence was highest for non-Hispanic black women (39.0%) followed by non-Hispanic black men (32.1%).

By education level, for men, obesity prevalence was lowest among college graduates (22.1%) and highest among those with some college (29.5%) and a high school diploma (29.1%). For women, obesity prevalence was lowest among college graduates (17.9%) and highest among those with less than a high school diploma (32.6%).

By region, the prevalence of obesity was higher in the South (27.3%) and Midwest (26.5%) and lower in the Northeast (24.4%) and West (23.1%) (Table). State-specific obesity prevalence ranged from 18.7% to 32.0% and was <20% in only one state: Colorado (18.7%) (Figure). Obesity prevalence was >30% in three states: Alabama (30.3%), Mississippi (32.0%), and Tennessee (30.1%). No state met

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[†]The percentage of persons who completed interviews among all eligible persons, including those who were not successfully contacted. Rates are available at http://www.cdc.gov/brfss/technical_infodata/surveydata/2006/dqrhandbook_06.rtf.

[§]The percentage of persons who completed interviews among all eligible persons who were contacted.

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the *Healthy People 2010* target of 15%, and 30 states had obesity prevalence >25%.

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Editorial Note: The findings in this report indicate that, in 2007, none of the 50 states nor the District of Columbia had reached the *Healthy People 2010* target for obesity prevalence among adults aged ≥18 years. The 25.6% prevalence of obesity among respondents overall in the 2007 BRFSS survey represents an increase of 1.7 percentage points from the 23.9% prevalence in 2005. In 2000, the prevalence was 19.8%, and in 1995 the prevalence was 15.3% (4). State and national data indicating that obesity prevalence has continued to increase during much of the past two decades (4-7) underscore the public health challenge presented by obesity. Of further concern are the disparities in prevalence of obesity, particularly among racial/ethnic populations and by education level. These disparities might reflect differences in knowledge and behavior related to diet and physical activity. They also might reflect differences in environmental supports for these behaviors, such as access to places for physical activity (e.g., local parks or recreation facilities) or access to healthier food options (e.g., selection at local groceries).

To reach the *Healthy People 2010* target, increased national attention to actions that promote healthy eating and physical activity is essential. In the Surgeon General's 2001 *Call to Action to Prevent and Decrease Overweight and Obesity (2)*, 15 activities were identified as national priorities for immediate action; many focus on increased access to healthy food choices and safe physical activity in settings such as worksites, communities, and schools. The report also called for collaboration across multiple sectors (i.e., education, government, and business) and levels (i.e., individual, family, community, state, and national) to address the problem of obesity.

CDC conducts obesity prevention programs and activities with a wide range of partners, including state and local health and education departments and communities across the country. For example, as part of CDC's Nutrition and Physical Activity Program to Prevent Obesity and Other Chronic Diseases, the state of Washington implemented a community intervention that promotes environmental and policy changes to help encourage healthful nutrition and physical activity.

[¶] Additional information regarding these programs is available at http://www.cdc.gov/nccdphp/dnpa/obesity/state_programs/funded_states/index.htm; http://www.cdc.gov/healthyyouth/partners/funded/cshp.htm; and http://www.cdc.gov/steps.

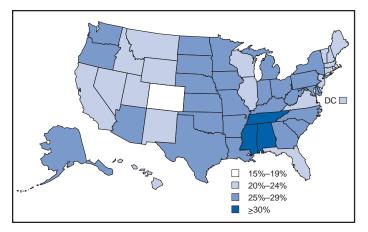
TABLE. Prevalence of obesity* among adults aged ≥18 years, by sex and selected characteristics — Behavioral Risk Factor Surveillance System, United States, 2007

	Total (N = 404,300	Men (n = 155,525)	Women	n (n = 248,775)
Characteristic	%	(99% CI [†])	%	(99% CI)	%	(99% CI)
Total	25.6	(25.2–26.0)	26.4	(25.8–27.1)	24.8	(24.4–25.3)
Age group (yrs)						
18–29	19.1	(18.0-20.3)	19.1	(17.4-21.0)	19.1	(17.9-20.5)
30–39	26.5	(25.5-27.5)	28.2	(26.6–29.8)	24.8	(23.7-26.0)
40-49	27.8	(27.0-28.6)	29.4	(28.1-30.7)	26.1	(25.1-27.2)
50-59	30.9	(30.1–31.8)	31.7	(30.4-33.0)	30.2	(29.1 - 31.2)
60–69	29.9	(29.1–30.8)	30.1	(28.7–31.5)	29.8	(28.8–30.9)
≥70	19.4	(18.7–20.1)	18.5	(17.4–19.7)	20.0	(19.2–20.9)
Race/Ethnicity		,		,		,
White, non-Hispanic	24.5	(24.2-24.9)	26.3	(25.7-26.9)	22.9	(22.4-23.3)
Black, non-Hispanic	35.8	(34.4–37.2)	32.1	(29.7–34.6)	39.0	(37.4–40.6)
Hispanic§	28.5	(26.7–30.4)	28.3	(25.5–31.2)	28.8	(26.7–31.0)
Other	15.3	(13.8–16.9)	16.2	(13.9–18.8)	14.1	(12.5–15.9)
Educational level						
Less than high school diploma	29.4	(27.9-30.9)	26.4	(24.2-28.8)	32.6	(30.7 - 34.5)
High school diploma	28.8	(28.0–29.5)	29.1	(27.9–30.3)	28.5	(27.6–29.3)
Some college	27.8	(27.0–28.6)	29.5	(28.1–30.9)	26.3	(25.5–27.2)
College graduate	20.0	(19.5–20.6)	22.1	(21.2–23.0)	17.9	(17.2–18.5)
Census region						
Northeast	24.4	(23.6-25.3)	25.7	(24.3-27.1)	23.3	(22.3-24.3)
Midwest	26.5	(25.8–27.2)	27.6	(26.5–28.7)	25.3	(24.5–26.2)
South	27.3	(26.7–27.8)	27.5	(26.7–28.4)	27.0	(26.4–27.6)
West	23.1	(22.0–24.3)	24.1	(22.3–26.0)	22.1	(20.8–23.4)

^{*}Persons with a body mass index (BMI) of ≥30.0; self-reported weight and height were used to calculate BMI (weight [kg] / height [m]²).

Changes included widening sidewalks, connecting systems of paths for pedestrians and bicyclists, and creating community gardens. Examples of other approaches were highlighted in a meeting of representatives from 25 community programs, held July 10–11, 2008, at CDC. Examples included increasing access to healthier foods through farmer's markets, community gardens, and local groceries; altering roads and sidewalks

FIGURE. Prevalence of obesity* among adults aged ≥18 years — Behaviorial Risk Factor Surveillance System, United States, 2007



^{*} Persons with a body mass index (BMI) of ≥30.0; self-reported weight and height were used to calculate BMI (weight [kg] / height [m]²)

to make them safer and more accessible to pedestrians and bicyclists; creating or enhancing access to physical activity through parks, trails, or community fitness trails; and creating social support for physical activity through walking clubs.

CDC also works with employers and worksite health experts to translate evidence-based recommendations from the Task Force on Community Preventive Services (8) on worksite interventions for preventing obesity into business practices. This collaboration will produce a return-on-investment calculator to assist businesses in making the case for initiation and maintenance of wellness programs, especially those that promote weight management. In addition, an interactive website will provide guidance for the creation, expansion, or customization of worksite obesity programs.

Efforts to help address obesity in the health-care setting also are occuring. For example, the National Committee for Quality Assurance recently approved inclusion of BMI assessment for adults as a Health Plan Employer Data and Information Set (HEDIS) measure. This assessment should help prompt health-care providers to provide appropriate counseling regarding diet and physical activity to their patients.

The findings in this report are subject to at least two limitations. First, BRFSS data depend on self-reported height and weight, and obesity prevalence is likely underestimated because survey participants tend to overstate their height and

[†]Confidence interval. §Might be of any race.

understate their weight, or both (9). Second, persons without landline telephones are excluded from BRFSS, which might affect obesity estimates. Persons without landline telephones, including those who use only cellular telephones, might be younger or of lower socioeconomic status (10).

Expansion of multidisciplinary, cross-sector collaborations and partnerships that seek to improve nutrition and physical activity in settings such as schools, workplaces, and communities will be an important strategy to reduce obesity prevalence in the United States. Priority should be given to interventions that move beyond increasing individual awareness and provide the environmental and policy changes that support behavior change, particularly among those with the greatest need.

Acknowledgment

The findings in this report are based, in part, on data provided by BRFSS state coordinators.

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Balamuthia Amebic Encephalitis — California, 1999–2007

Balamuthia mandrillaris is a free-living ameba that causes encephalitis in humans (both immunocompetent and immunocompromised), horses, dogs, sheep, and nonhuman primates. The ameba is present in soil and likely is transmitted by inhalation of airborne cysts or by direct contamination of a skin lesion. Approximately 150 cases of balamuthiasis have been reported worldwide since recognition of the disease in 1990 (1). Balamuthiasis is difficult to diagnose because 1) the clinical symptoms mimic those of several other types of encephalitis, 2) few laboratories perform appropriate diagnostic testing, and 3) many physicians are unaware of the disease. The lack of recognition and subsequent delay in diagnosis might be a factor in its high mortality. Since 1998, the California Encephalitis Project (CEP) has been testing encephalitis cases for both common and uncommon agents known to cause encephalitis, including Balamuthia. This report describes the 10 balamuthiasis cases identified by CEP during 1999-2007. The preliminary diagnoses in these cases included neurotuberculosis, viral meningoencephalitis, neurocysticercosis, and acute disseminated encephalomyelitis. All but one patient died. These findings underscore the importance of increasing awareness among clinicians, epidemiologists, and public health officials for timely recognition and potential treatment of Balamuthia encephalitis.

CEP Surveillance

CEP was initiated to better understand the etiologies, risk factors, and clinical features of human encephalitis. The project was started in 1998 in collaboration with the California Department of Public Health Viral and Rickettsial Disease Laboratory and CDC's Emerging Infections Program. Specimen referrals to CEP are received statewide from clinicians seeking diagnostic testing for immunocompetent patients aged ≥ 6 months who meet the CEP case definition for encephalitis. CEP defines encephalitis as illness in a patient hospitalized with encephalopathy and one or more of the following: fever, seizures, focal neurologic findings, cerebrospinal fluid (CSF) pleocytosis, and electroencephalogram or neuroimaging results consistent with encephalitis.

Specimens from approximately 3,000 encephalitis patients were referred to CEP during 1999–2007. The majority of submissions included acute serum (2,652), CSF (4,016), and respiratory samples (1,759). Five hundred cases were selected for *Balamuthia* serology based on at least one of the following: 1) clinical symptoms (e.g., cranial nerve palsies, seizures, and coma); 2) elevated CSF levels of protein and leukocytes, with normal or low glucose; 3) abnormal neuroimaging

findings (e.g., hydrocephalus, ring-enhancing lesions, or space-occupying lesions); or 4) occupational or recreational contact with soil (e.g., work in agriculture or construction or dirt biking). A titer ≥1:128 was considered a presumptive positive and selected for further testing of brain tissue, if available.

From the 500 patient specimens tested, 10 cases of Balamuthia encephalitis were identified, first by serology and then definitively by additional methods (Table). For two additional cases with elevated titers for Balamuthia antibodies by indirect immunofluorescence antibody (IFA) staining, brain tissue was not available, so the significance of positive titers is unknown. The median age of the 10 patients was 15.5 years (range: 1.5–72.0 years); nine of the patients were male. Seven of the 10 CEP cases occurred in southern California, and three occurred in central and northern California. Neurologic symptoms indicative of central nervous system (CNS) involvement were the initial manifestations in nine of the 10 cases. In one case, the patient developed a cutaneous lesion on his upper arm several months before development of CNS symptoms. Development of the lesion was temporally associated with cleaning a backyard pond. Postmortem, the skin lesion was found to be positive for Balamuthia amebae by indirect immunofluorescence staining and polymerase chain reaction (PCR), and might have been the portal of entry preceding development of CNS disease.

CSF analysis in nine of the 10 cases showed elevated protein with a median value of 188 mg/dL (range: 64–674 mg/dL), elevated white blood cell count with a median value of 170.5 cells/mm³ (range: 11–540 cells/mm³) and a lymphocytic predominance, and normal or low glucose with a median value of 40 mg/dL (range: 15–74 mg/dL). Abnormal neuroimaging results were observed in all 10 cases, headache was reported in six cases, altered mental status was reported in four cases, and manifestations of cranial nerve palsies were reported in four cases.

The median interval from onset of symptoms to hospital admission was 8.5 days (range: 1–30 days) with a median hospital stay of 16.5 days (range: 3–120 days). Nine of the 10 balamuthiasis patients died; one was living at the time of last follow-up.

Potential Risk Factors

Five patients had preexisting medical conditions: diabetes, gout and heart disease, status post splenectomy, nephrotic syndrome with a prolonged course on steroid therapy, and a possible lymphoma (Table). Patients in five of the 10 cases had a known exposure to soil: motorcycling in desert terrain, handling flowerpot soil, working in construction, or gardening as a hobby. No pertinent soil exposures were identified from the other five patients.

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Editorial Note: Balamuthia mandrillaris was first recognized and isolated from the brain of a pregnant mandrill baboon that had died in the San Diego Wild Animal Park in 1989 (2). The first human infections were reported in 1990, and in 1993, B. mandrillaris was described as a new genus and species of ameba (2,3). Since 1993, cases have been reported in western and central Europe, Canada, Argentina, Brazil, Peru, Venezuela, Mexico, Australia, Thailand, Japan, and India. Early reports of the disease in humans suggested that the infection occurred primarily in immunocompromised persons (e.g., human immunodeficiency virus/acquired immunodeficiency syndrome [HIV/AIDS] patients, injection-drug users, the elderly, and persons with concurrent health problems). However, many recent cases have occurred in immunocompetent children and adolescents (4). CEP detected its first case of Balamuthia encephalitis in 2001, 3 years after the inception of the project (5). Since 1990, a total of 15 known human cases with 12 deaths have been diagnosed in California (10 cases diagnosed by CEP and five cases where specimens were sent to CDC for diagnosis before the inception of CEP in 1998). Median age of the five patients whose specimens were sent to CDC was 16 years (range: 2-84 years); three of the patients were male. All but two of the 15 cases occurred in persons of Hispanic ethnicity, possibly because of environmental, genetic, or socioeconomic factors (6). Nearly 50% of cases in the United States have occurred in Hispanics (6).

Because of the rarity of balamuthiasis, risk factors for the disease are not well defined. Two of five cases diagnosed by CDC occurred in patients who had exposure to soil. In addition to soil, stagnant water also might be a source of infection for balamuthiasis (7). Based on published case reports and positive laboratory detections at CDC and CEP, the disease appears to be more common in the southern tier of the United States (e.g., California, Texas, Georgia, and Florida), with fewer cases identified from states farther north (7). Similarly, most cases in California occurred in the southern part of the state.

Currently, indirect immunofluorescence staining of formalin-fixed tissue specimens (e.g., brain tissue) is the definitive diagnostic test for balamuthiasis. Other tests include

TABLE. Demographic, clinical, and laboratory features of 10 balamuthiasis cases — California Encephalitis Project (CEP), 1999–2007

	Age (yrs)		Presenting		(2nd LP CSF	uncture (LF results, if a CSF	vailable) CSF	_			Interval from hospital admission
Case	and sex	Race/ Ethnicity	clinical symptoms	Risk factors	WBC* (cells/mm³)	protein (mg/dL)	glucose (mg/dL)	Neuroimaging [†] results	Mode of diagnosis	Preliminary diagnoses	to death (days)
1	1.5 Male	Hispanic [§]	Ataxia, cranial nerve palsy (Xlth), vestibular cerebellar nystagmus, loss of appetite	_1	153 (160)	122 (127)	23 (24)	Multiple ring- enhancing lesions	Serology, IIF,** PCR ^{††}	MTB§§ meningitis multifocal tumor, toxoplasmosis, cysticercosis, or coccidioidomycos	•
2¶¶	3 Female	White, Hispanic	Seizures, emesis, febrile	Contact with flowerpot soil	540 (354)	122 (1,247) 47 (6)	Ventriculomegaly, hydrocephalus	Serology, IIF, PCR	MTB meningitis	25
3¶¶	7 Male	Hispanic [§]	Headache, neck stiffness, seizures, lethargy, cranial nerve palsy (XIth)	<u>¶</u>		t performed ranial pressu	•	Ring-enhancing lesions	Serology	Neurocysticercosi	s 45
4	7 Male	Hispanic [§]	Headache, focal seizures, cranial nerve palsy (Vlth), febrile	Proteinuria, steroid therapy	230	305	<20	White matter lesions, minimal enhancement	Serology, IIF, PCR	Nephrotic syndrome, demyelinating process, or tumor	3***
5	12 Male	Hispanic [§]	Headache, emesis, altered mental status	Motorcycling over desert terrain	78 (287)	Normal (69) 74 (40)	Multiple ring- enhancing lesions	Serology, IIF, PCR	ADEM,††† vasculi	tis 120
6	19 Male	Hispanic [§]	Altered mental status, lethargy, weight loss, febrile, difficulty breathing, loss of bladder control	Former drug use	291	140	15	Hypodense focus	IIF, PCR	MTB meningitis	8
7	35 Male	Hispanic [§]	Seizures	<u>_</u> ¶	11	64	 ¶	Focal enhancing lesions	Serology, PCR	B-cell lymphoma	Living as of last report
8	43 Male	White, non- Hispanic	Fever, headache, altered mental status, hallucinations, cranial nerve palsy (left eye droop)	Occupational soil exposure		674	42	Hydrocephalus	IIF, PCR	Viral meningoencephal	106 itis
9	64 Male	Hispanic [§]	Headache, nausea, emesis, altered mental status, confusion	Occupational soil exposure	128 (106)	643 (808)	39 (43)	Multiple ring- enhancing lesions	Serology, IIF, PCR	Pyogenic brain abcess	8
10	72 Male	Pacific Islander ^{§§§}	Headache, febrile, behavioral changes	Gardening as a hobby, yard work	188	114	41	Multiple enhancing lesions	IIF, PCR	Stroke	7

^{*} Cerebrospinal fluid white blood count.

serologic testing (e.g., IFA), and recently, PCR, for identification of *Balamuthia* DNA in brain tissue or CSF (8). However, these tests are of an investigational nature and have not been cleared by the Food and Drug Administration.

Four balamuthiasis survivors have been reported in the United States, including one described in this report. Long-term outcomes for these survivors varied. One patient, a California man aged 64 years, was described as performing all

[†] Magnetic resonance imaging, computerized tomography, or both.

[§] Race data not available.

[¶] Data not available.

^{**} Indirect immunofluorescence of brain tissue.

^{††} Polymerase chain reaction.

^{§§} Mycobacterium tuberculosis.

Cases published previously: Bakardjiev A, Azimi PH, Ashouri N, et al. Amebic encephalitis caused by *Balamuthia mandrillaris*: report of four cases. Pediatr Infect Dis J 2003;22:447–53. Of the four cases described in that report, two were CEP cases, one case was from Texas, and one case was a California case diagnosed before the inception of CEP in 1998.

^{***} At time of final hospitalization.

^{†††} Acute disseminated encephalomyelitis.

^{§§§} Ethnicity data not available.

activities of daily living with good communication skills 5 years after his initial hospitalization (9). Another patient, a girl aged 5 years, had returned to school with moderate performance problems but with no gross neurologic sequelae 2 years after hospitalization (9). A third patient, a New York woman aged 72 years, was reported to have had no neurologic sequelae 6 months after hospitalization (10). These three surviving patients were treated with pentamidine isethionate, fluconazole, flucytosine (5-fluorocytosine), sulfadiazine, and a macrolide antibiotic (azithromycin or clarithromycin) (9,10). A fourth patient, a man aged 35 years, whose case was detected by CEP (Table), was still alive and in good condition 3 months after his diagnosis. However, specific information on his treatment regimen is unavailable; also, because he was lost to follow-up, his current status is unknown. Three additional balamuthiasis survivors have been reported in Peru (1); of these, one received no treatment, but the other two received prolonged therapy with albendazole and itraconazole (1).

The findings in this report are subject to at least two limitations. First, brain tissue, either from biopsy or autopsy, is needed for unambiguous diagnosis of CNS balamuthiasis. Second, because the sensitivity and specificity of serology and PCR are unknown and brain tissue is likely to be available only from patients with advanced CNS disease, cases might have been missed. In particular, persons in an early stage of disease or those who had a less severe form of balamuthiasis would not have been included for further diagnostic testing, thus underestimating the burden of disease. In those cases, the opportunity for initiating therapy might have been missed.

In the United States, two reference laboratories currently perform diagnostic testing for balamuthiasis, one at CDC and the other at the California Department of Public Health. Interested clinicians and laboratorians may seek testing for clinically consistent cases upon special request and prior approval (CDC contact: Govinda S. Visvesvara at e-mail gsv1@cdc.gov; CEP contact: Shilpa Gavali at e-mail shilpa.gavali@cdph.ca.gov). The confirmatory specimens for evaluation are paraffin-embedded, hematoxylin-eosin stained and unstained slides of affected brain tissue (available through biopsy or autopsy). Secondary diagnostic materials are 1) serum for *Balamuthia* antibody titer and 2) CSF and fresh or fixed brain tissue for PCR. The patient's medical history, including laboratory and neuroimaging results, also should be submitted.

The full spectrum of clinical disease is unknown. Balamuthiasis should be considered in patients with unexplained encephalitis, especially those with lymphocytic pleocytosis, elevated CSF protein (especially >100 mg/dL), and focal lesions on neuroimaging.

Although only seven balamuthiasis survivors have been reported worldwide, early recognition of the infection might offer an opportunity to slow or stop progression of the disease (9,10). At present, the majority of cases are identified at autopsy. With improved diagnostic techniques, earlier therapeutic intervention might improve prognosis. Further studies are needed to estimate incidence, characterize risk factors, determine case-fatality rates, improve diagnostic methods, and evaluate the efficacy of therapeutic interventions. An important first step will be for public health personnel, clinicians, and pathologists to become knowledgeable about this disease.

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Silicosis-Related Years of Potential Life Lost Before Age 65 Years — United States, 1968–2005

Occupational exposure to respirable crystalline silica occurs in construction, mining, manufacturing, and other industries and can result in silicosis and other lung diseases. Classic (chronic) silicosis results from exposure to relatively low concentrations of respirable crystalline silica for ≥10 years. Exposure to higher concentrations of silica for 5–10 years can cause accelerated silicosis, and symptoms of acute silicosis can

sometimes develop within weeks of initial exposure to extreme concentrations of silica (1). Deaths in young adults from acute or accelerated silicosis generally reflect more recent and intense exposures (2). Silicosis is incurable, but preventable through effective control and elimination of exposure to respirable crystalline silica (1). To characterize recent trends in premature mortality attributed to silicosis in the United States, CDC analyzed annual mortality data from 1968–2005, the most recent years for which complete data were available.* Years of potential life lost before age 65 years (YPLL) and mean YPLL were calculated using standard methodology (3). During 1968-2005, total annual YPLL attributed to silicosis (17,130) declined 90.2%, from 1,441 (mean per decedent: 7.7 YPLL) to 141 (mean per decedent: 11.8), with an annual average of 8.6 YPLL per decedent for the period. However, the proportion of YPLL attributable to young silicosis decedents increased; an estimated 3,600-7,300 new silicosis cases occur annually (4). Hazard surveillance, workplace-specific interventions, and further silicosis prevention and elimination efforts, especially among young adults, are needed.

For this analysis, decedents for whom the *International Classification of Diseases* (ICD) code for silicosis was listed as the underlying cause of death were identified from 1968–2005 mortality data.[†] Deaths with the ICD-10 underlying cause of death coded as J65 (pneumoconiosis associated with tuberculosis) were included if code J62 (silicosis) was listed on the entity axis.[§] Because silicosis primarily results from occupational exposure, only deaths of persons aged ≥15 years were considered. Young silicosis deaths were defined as those occurring in persons aged 15–44 years. Information on the usual industry and occupation (defined as the industry and occupation in which a person worked most of his or her life) of decedents was obtained from death certificates for a subset of decedents reported from 26 states for some years during

1985–1999. Reporting the usual industry and occupation of decedents began in 1985 and ended in 1999. The number of states reporting data in a particular year during 1985–1999 ranged from 16 to 22, and the number of years of data availability for any one state varied from 2 to 15 years. Industry and occupation were coded using the 1980 and 1990 U.S. Census Bureau coding systems.

During 1968–2005, silicosis was coded as the underlying cause of death on 7,793 certificates. Of these, 1,997 (25.6%) were for decedents aged 15–64 years, accounting for 17,130 YPLL (mean per decedent: 8.6 YPLL). The majority of silicosis decedents aged 15–64 years were males (1,941; 97.2%) and whites (1,571; 78.6%), accounting for 16,390 (95.7%) and 12,289 (71.7%) YPLL, respectively (Table 1).

From 1968 to 2005, annual YPLL attributed to silicosis declined 90.2%, from 1,441 (mean per decedent: 7.7 YPLL) to 141 in 2005 (mean per decedent: 11.8); YPLL varied annually from a high of 1,441 (mean per decedent: 7.7) in 1968 to a low of 103 (mean per decedent: 6.4) in 1995 (Figure).

Of all silicosis decedents aged 15–64 years, 177 (8.9%) were considered young (aged 15–44 years), which accounted for 4,693 YPLL (mean per decedent: 26.5 YPLL), representing 27.4% of the total YPLL for the period. The YPLL attributed to young silicosis deaths declined 65.0%, from an average of 183.4 per year during 1968–1972 to 64.2 per year during 2001–2005. YPLL attributed to silicosis decedents aged 45–64 years declined 88.0%, from an annual average of 898.4 during 1968–1972 to 108.2 during 2000–2005. The proportion of YPLL attributable to young silicosis decedents increased from 17.0% during 1968–1972 to 37.2% during 2000–2005 (Figure).

Overall, deaths reported from Pennsylvania (349; 2,343 YPLL), Ohio (197; 1,568), and Texas (94; 1,219) accounted for 32.0% of all deaths and 29.9% of the total YPLL during 1968–2005 (Table 1). Young silicosis deaths from eight states (Texas [19; 552 YPLL], Ohio [15; 362], California [11; 280], Pennsylvania [11; 228], Indiana [10; 242], Louisiana [10; 275], Michigan [9; 186], and Alabama [8; 229]) accounted for 52.5% of all young deaths and 51.4% of the YPLL contributed by young decedents.

Industry or occupation information was available for 148 (39.6%) of 374 decedents aged 15–64 years whose deaths were attributed to silicosis during 1985–1999 (Table 2). Of 46 industries reported, the greatest YPLL were in construction (263; mean per decedent: 10.1 YPLL); iron and steel foundries (131; mean per decedent: 10.9); and blast furnaces, steelworks, rolling and finishing mills (97; mean per decedent: 10.8). Among 53 occupations reported, the greatest YPLL were for miscellaneous metal and plastic processing machine operators (174; mean per decedent: 21.8 YPLL); laborers,

^{*} Since 1968, CDC's National Center for Health Statistics (NCHS) has compiled multiple cause of death data annually from death certificates in the United States. The National Institute for Occupational Safety and Health extracts information on deaths from occupationally related respiratory diseases and conditions from the NCHS data and stores the information in the National Occupational Respiratory Mortality System (NORMS), available at http://webappa.cdc.gov/ords/norms.html.

[†] ICD-8 code 515.0 (silicosis) or code 010 (silicotuberculosis) for years 1968–1978, ICD-9 code 502 (pneumoconiosis due to other silica or silicates) for years 1979–1998, and ICD-10 code J62 (pneumoconiosis due to dust containing silica [silicosis]) for years 1999–2005.

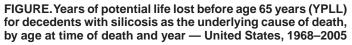
[§] Entity axis includes information on all of the diseases, injuries, or medical complications, as well as the location (part, line, and sequence) of the information recorded on each death certificate. "Detail Record Layout" available at http://www.cdc.gov/nchs/about/major/dvs/mcd/1998mcd.htm.

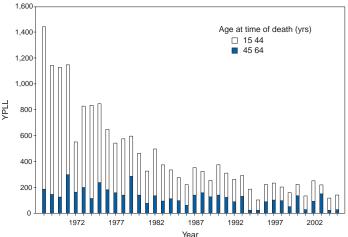
⁵ Alaska, Colorado, Georgia, Hawaii, Idaho, Indiana, Kansas, Kentucky, Maine, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, North Carolina, Ohio, Oklahoma, Rhode Island, South Carolina, Tennessee, Utah, Vermont, Washington, West Virginia, and Wisconsin.

TABLE 1. Years of potential life lost before age 65 years (YPLL) for decedents with silicosis as the underlying cause of death, by sex, race, and state of residence — United States, 1968–2005

			Age gro	up (yrs)					
		15–44			45–64			Total	
Characteristics	Deaths	YPLL	Mean YPLL	Deaths	YPLL	Mean YPLL	Deaths	YPLL	Mean YPLL
Total	177	4,693	26.5	1,820	12,437	6.8	1,997	17,130	8.6
Sex		·		•	·		•	·	
Male	163	4,271	26.2	1,778	12,119	6.8	1,941	16,390	8.4
Female	14	422	30.1	42	318	7.6	56	740	13.2
Race									
White	101	2,762	27.3	1,470	9,527	6.5	1,571	12,289	7.8
Black	69	1,778	25.8	337	2,816	8.4	406	4,594	11.3
Other	7	153	21.9	13	94	7.2	20	247	12.4
State of residence									
Alabama	8	229	28.6	45	316	7.0	53	545	10.3
Alaska	0	0	0	0	0	0	0	0	0
Arizona	4	107	26.8	31	222	7.2	35	329	9.4
Arkansas	4	92	23	19	127	6.7	23	219	9.5
California	11	280	25.5	64	362	5.7	75	642	8.6
Colorado	4	97	24.3	60	366	6.1	64	463	7.2
Connecticut	0	0		17	111	6.5	17	111	6.5
Delaware	0	0	0	0	0	0	0	0	0
District of Columbia	1	23	23.0	6	43	7.2	7	66	9.4
Florida	7	158	22.6	32	226	7.1	39	384	9.8
Georgia	2	46	23.0	38	318	8.4	40	364	9.1
Hawaii	0	0	0	1	3	3.0	1	3	3.0
Idaho	0	0	0	13	74	5.7	13	74	5.7
Illinois	7	201	28.7	56	468	8.4	63	669	10.6
Indiana	10	242	24.2	33	201	6.1	43	443	10.3
lowa	0	0	0	8	46	5.8	8	46	5.8
Kansas	1	28	26.3	16	115	7.2	17	143	8.4
Kentucky	6	158	27.5	48	359	7.5	54	517	9.6
Louisiana	10	275	24.7	36	285	7.9	46	560	12.2
Maine	0	0	0	2	6	3.0	2	6	3.0
Maryland	3	74	24.7	20	147	7.4	23	221	9.6
Massachusetts	2	76	38.0	18	94	5.2	20	170	8.5
Michigan	9	186	20.7	41	317	7.7	50	503	10.1
Minnesota	4	112	28.0	27	190	7.0	31	302	9.7
Mississippi	3	74	24.7	13	109	8.4	16	183	11.4
Missouri	4	107	26.8	31	220	7.1	35	327	9.3
Montana	1	23	23.0	14	64	4.6	15	87	5.8
Nebraska	0	0	0	0	0	0	0	0	0
Nevada	0 0	0	0	10 4	45 22	4.5 5.5	10	45 22	4.5 5.5
New Hampshire	1	0 28	0 28.0	42	250	5.5 6.0	4 43	278	
New Jersey	3	26 79	26.0	12	∠50 48		43 15	276 127	6.5 8.5
New Mexico New York	2	79 46	23.0	1∠ 81	555	4.0 6.9	83	601	7.2
North Carolina	1	23	23.0	58	419	7.2	59	442	7.5
North Dakota	1	28	28.0	1	8	8.0	2	36	18.0
Ohio	15	362	24.1	182	1,206	6.6	197	1,568	8.0
Oklahoma	0	0	0	15	109	7.3	15	109	7.3
Oregon	0	0	0	11	58	5.3	11	58	5.3
Pennsylvania	11	228	26.2	338	2,055	6.1	349	2,343	6.7
Rhode Island	1	43	43.0	3	34	11.3	4	77	19.3
South Carolina	3	79	26.3	27	236	8.7	30	315	10.5
South Dakota	1	33	33.0	1	8	8.0	2	41	20.5
Tennessee	6	188	31.3	36	255	7.1	42	443	10.5
Texas	19	552	29.1	75	667	8.9	94	1,219	13.0
Utah	1	48	48.0	19	114	6.0	20	162	8.1
Vermont	0	0	0	10	60	6.0	10	60	6.0
Virginia	6	188	31.3	72	570	7.9	78	758	9.7
Washington	1	23	23.0	13	94	7.2	14	117	8.4
West Virginia	2	46	23.0	82	513	6.3	84	559	6.7
Wisconsin	2	51	25.5	39	322	8.3	41	373	9.1
Wyoming	0	0	0	0	0	0	0	0	0

SOURCE: National Center for Health Statistics, CDC, multiple cause-of-death data.





SOURCE: National Center for Health Statistics, CDC, multiple cause-of-death data.

except construction (120; mean per decedent: 12); and mining machine operators (113; mean per decedent: 5.4).**

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Editorial Note: In 2005, CDC reported a decline in annual U.S. silicosis deaths, from 1,157 (8.91 per million persons aged ≥15 years) in 1968 to 148 (0.66) in 2002 (5). The decline was attributed to several factors, including enactment of national compliance standards for silica dust exposure in the early 1970s, general adoption of disease prevention measures, and changes over time in industrial activity (5). The findings in this report indicate that silicosis-attributable YPLL decreased substantially during 1968–2005, but the decline became less pronounced during 1995–2005.

The decline in annual silicosis-attributable YPLL is mostly attributed to the decrease in deaths from silicosis among persons aged 45–64 years, indicating the effects of implementation of exposure standards and regulations, changes in industrial activity, and other factors. However, workers exposed to silica below permissible and recommended exposure limits are still at risk for developing radiographic evidence of silicosis (1). The decline among young adults aged 15–44 years is less marked, indicating that intense overexposures to respirable crystalline silica continue to occur despite the existence of legally enforceable limits. Overall, an average of 8.6 YPLL per decedent were attributed to silicosis during

1968–2005 (26.5 YPLL per decedent among young adults). Available data (for 148 decedents) indicated that the greatest YPLL values were associated with work in construction and manufacturing. Years of potential life lost before age 65 years is a measure of premature mortality (3) that emphasizes deaths occurring among younger persons, on the assumption that these are a person's most productive years. YPLL is considered the best single indicator of the differences in the health status of populations and is a useful aid in allocating federal funding for core public health functions (6).

The findings in this report are subject to at least five limitations. First, this report used a death certificate-based definition of silicosis as the underlying cause of death. Because some deaths from silicosis might have been attributed to other causes (e.g., tuberculosis) instead of silicosis or pneumoconiosis, the findings in this report likely underestimate the effect of silicosis on mortality and YPLL in the United States (7). Second, because individual work histories are not listed on death certificates, the relevance of the reported usual industry and occupation to actual hazardous exposures could not be verified. Although no studies have examined the accuracy of the usual industry and occupation information on death certificates specifically for silicosis decedents, research suggests generally good agreement of this information on death certificates compared with that from other sources (8,9). Moreover, codes for usual industry and occupation were available only for 39.6% of silicosis decedents for some states and years. Thus, these data likely are not nationally representative and should be interpreted cautiously. Third, reports indicate that the state of residence at death is not always the state in which the decedent's exposure occurred (9). Fourth, because no information on silica exposure intensity or duration is listed on death certificates, silica exposure-response associations could not be examined. Finally, YPLL does not account for the actual burden of silicosis and other chronic occupational illnesses. Persons with silicosis might live for years with severely limited lung function, few treatment options, and an inability to work.

Although the findings in this report indicate a decrease in annual silicosis-related YPLL for 1968–2005, the increased proportion of silicosis-related deaths among young adults underscores the need for targeted prevention programs, investigation of cases, and individual case follow-up of silicosis deaths occurring at younger ages, as recommended by the Council of State and Territorial Epidemiologists (10). Effective primary prevention is critical because chronic silicosis can develop or progress even after occupational exposure ends (2).

^{**} Silicosis has been associated with sandblasting, exposure to cement dust, and other job activities that expose workers to respirable crystalline silica (1).

TABLE 2.Top 10 industries and occupations with greatest years of potential life lost before age 65 years (YPLL) for decedents with silicosis as the underlying cause of death — United States, selected states* and years, 1985–1999

			YPLL
Industry and occupation	Deaths	No.	Per decedent
Industry (Census industry code)			
Construction (060)	26	263	10.1
Iron and steel foundries (271)	12	131	10.9
Blast furnaces, steelworks, rolling and finishing mills (270)	9	97	10.8
Industry not reported (990)	7	96	13.7
Miscellaneous nonmetallic mineral and stone products (262)	4	92	23.0
Not specified manufacturing industries (392)	8	89	11.1
Coal mining (041)	13	79	6.1
Nonpaid worker or nonworker or own home/at home (961)	4	72	18.0
Nonmetallic mining and quarrying, except fuel (050)	9	67	7.4
Miscellaneous repair services (760)	4	67	16.8
Occupation (Census occupation code)			
Miscellaneous metal and plastic processing machine operators (725)	8	174	21.8
Laborers, except construction (889)	10	120	12.0
Mining machine operators (616)	21	113	5.4
Occupation not reported (999)	6	88	14.7
Painters, construction, maintenance (579)	10	75	7.5
Construction trades, not elsewhere classified (599)	5	75	15.0
Construction laborers (869)	6	63	10.5
Janitors and cleaners (453)	5	55	11.0
Welders and cutters (783)	5	55	11.0
Crushing and grinding machine operators (768)	4	47	11.8

^{*} Alaska, Colorado, Georgia, Hawaii, Idaho, Indiana, Kansas, Kentucky, Maine, Missouri, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, North Carolina, Ohio, Oklahoma, Rhode Island, South Carolina, Tennessee, Utah, Vermont, Washington, West Virginia, and Wisconsin.

SOURCE: National Center for Health Statistics, CDC, multiple cause-of-death data.

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Salmonella Litchfield Outbreak Associated with a Hotel Restaurant — Atlantic City, New Jersey, 2007

On July 10, 2007, the Pennsylvania Department of Health notified the New Jersey Department of Health and Senior Services (NJDHSS) of three culture-confirmed cases of *Salmonella* Litchfield infection with matching pulsed-field gel electrophoresis (PFGE) patterns. Data from PulseNet, the national molecular subtyping network for foodborne disease surveillance, confirmed 11 cases (including the three from Pennsylvania) of this rarely identified *Salmonella* serotype in five states during a 5-week period; seven of the 11 patients had reported recent travel history to Atlantic City, New Jersey. This report describes the subsequent investigation led by NJDHSS and the Atlantic City Health Department (ACHD), which associated the outbreak with a hotel restaurant in Atlantic City. In all, 30 confirmed or probable cases of illness

with *S.* Litchfield infection were identified among persons from eight states who had eaten at the hotel restaurant, including 10 restaurant food handlers. Investigators concluded that the outbreak most likely was associated with fruit salad, particularly the honeydew melon component, and that contamination likely resulted from an ill food handler. This investigation illustrates the potential for recurring food contamination by ill and asymptomatic food handlers and underscores the utility of PulseNet to link illnesses that might appear unrelated.

Epidemiologic and Environmental Investigation

Routine food histories collected from the initial three persons in Pennsylvania with confirmed *S.* Litchfield infection indicated a common exposure to the breakfast buffet at the same hotel restaurant in Atlantic City. During May 1–July 19, investigators later learned, the restaurant served approximately 7,300 breakfasts, 1,300 lunches, and 2,700 dinners. Forty-five persons worked in the restaurant, including some who spoke and understood only languages other than English. Signs in the restaurant were in English only.

On July 12, the investigative team, including representatives from NJDHSS, ACHD, the Atlantic County Division of Public Health, and CDC visited the restaurant during the breakfast service to advise hotel management of the outbreak, collect food samples, interview food handlers, request stool specimens, and assess sanitation practices. Based on initial findings, ACHD directed the complete disinfection of the restaurant's main kitchen on July 13. Three recent ACHD inspections had revealed improper bare hand contact with food items, inadequate food temperature control, and other foodhandling and storage violations, yielding a rating of "conditionally satisfactory."

A total of 36 food and beverage items served during the preceding 24 hours were collected. Food samples collected during the inspection included a fruit salad consisting of red grapes, honeydew melon, and cantaloupe. The fruit salad was prepared from whole fruit purchased from a local wholesaler, cut onsite either the night before or the morning of service by any of six cooks, and refrigerated. The fruit salad later was handled by any of 20 servers and placed over an ice bath for 4 hours during the breakfast buffet. The New Jersey Public Health and Environmental Laboratories tested 12 items thought most likely to harbor *Salmonella* bacteria: red grapes, honeydew melon, cantaloupe, strawberries, parsley, ice, dispensed water, orange juice, iced tea, grapefruit juice, cranberry juice, and apple juice. However, no *Salmonella* species were cultured from any of these foods or beverages.

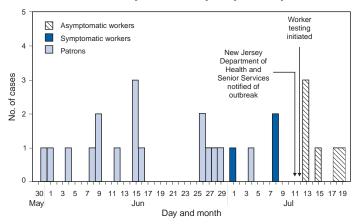
On July 19, *Salmonella* group C was isolated from seven of 12 food handler stool specimens collected during July 12–July 13. ACHD ordered the restaurant to close immediately. Investigators collected samples from the food remaining in the kitchen, which was then disinfected thoroughly a second time; all leftover food was destroyed. The following week, two additional food handlers tested positive for *S.* Litchfield, and another reported symptoms that met the probable case definition, bringing to 10 the total number of food handlers with illness meeting the case definition. The restaurant reopened on August 1 with limited operation, staffed only by food handlers with confirmed negative stool test results. The hotel and restaurant property had been sold before the outbreak, and operations ceased permanently in September 2007.

To determine the extent of the outbreak, on July 10, NJDHSS called for reports of additional cases via PulseNet and the CDC Epidemic Information Exchange (Epi-X). Cases were defined as illness in persons who traveled to Atlantic City during May 1–July 19, 2007 and who had either laboratory-confirmed *S.* Litchfield infection (for confirmed cases) or diarrheal illness without culture confirmation (for probable cases). Nationwide, a total of 20 probable or confirmed cases were reported in patrons who had dined at the Atlantic City restaurant under investigation. Investigators also interviewed 41 (91%) of the 45 food handlers who had worked at the restaurant since July 1. Five others who had stopped working at the restaurant before July 1 could not be contacted.

The 30 persons who met the case definition (20 restaurant patrons and 10 food handlers) included four (13%) with probable cases and 26 (87%) with confirmed cases (17 patrons and nine food handlers). Isolates from all 26 culture-confirmed cases had matching PFGE patterns (*XbaI* pattern JGXX01.0004). Illness onset dates among the 30 persons who met the case definition ranged from May 31 to July 19 (Figure). Median age was 51 years (range: 13–84 years); 50% were female. The 30 persons were from New Jersey (12), Pennsylvania (nine), New York (three), Maryland (two), and Colorado, Connecticut, Michigan, and Ohio (one each).

Twenty-three (77%) of the 30 persons reported diarrhea (defined as three or more loose stools during 24 hours), 21 (70%) reported abdominal cramps, 16 (53%) fever, eight (27%) vomiting, and five (17%) bloody diarrhea. Eighteen (60%) of the 30 sought medical care, and six were hospitalized. No deaths occurred. All 20 of the patrons who met the case definition reported at least one symptom consistent with salmonellosis; of the 10 ill restaurant workers, four (three with confirmed cases and one probable) reported symptoms, and none sought medical care.

FIGURE. Number of culture-confirmed cases (n = 26) of infection with outbreak strain of *Salmonella* Litchfield among patrons and staff of a hotel restaurant, by date of illness onset or stool culture* — Atlantic City, New Jersey, May 31–July 19, 2007



^{*} For asymptomatic workers.

Case-Control Study

To determine common food exposures, investigators conducted a case-control study of restaurant patrons and workers. Controls were defined as well dining companions of patrons who consumed at least one restaurant meal or well

restaurant workers who ate at least three restaurant meals during May 1–July 19. A detailed interview was conducted to collect exposure data for all food items available in the restaurant. Case-control data were analyzed using bivariate and multivariable logistic regression; 95% confidence intervals (CIs) were calculated, and associations were considered statistically significant at p<0.05.

A total of 30 case-patients and 39 controls were enrolled in the study. No statistically significant differences in age and sex distribution were observed between case-patients and controls. Bivariate analysis indicated increased likelihood of illness among consumers of salad croutons (unadjusted odds ratio [OR] = 4.4), fruit salad (OR = 3.8), and each of the three fruits in the salad: honeydew melon (OR = 6.6), cantaloupe (OR = 4.5), and red grapes (OR = 4.4) (Table).

Multivariable analysis indicated that eating fruit salad was independently associated with *S*. Litchfield infection after controlling for age, sex, and consumption of other foods (adjusted OR = 4.7) (Table). Because of multicollinearity, the three components of the fruit salad could not be analyzed as separate variables in the multivariable model. However, when modeling the effect of only one fruit at a time in three separate models, eating honeydew melon had a stronger

TABLE. Number and percentage of case-patients* and controls who reported consumption of foods served at hotel restaurant in study of outbreak of *Salmonella* Litchfield infections, by food item — Atlantic City, New Jersey, May 1–July 19, 2007

Study of Guisican of Guin			one, by rood nor		Unadjust	ad	Adjusted
	Case-pati	ents	Contro	ols	odds	cu	odds
Food item	No. (n = 30)		No. (n = 39)	(%)	ratio	(95% CI†)	ratio§ (95% CI)
Hot breakfast foods							
Creamed chipped beef	7	(23)	3	(8)	3.6	(0.9-15.6)	6.1 (0.8–44.7)
Scrambled eggs	18	(60)	15	(39)	2.4	(0.9–6.3)	1.2 (0.3–4.7)
Bacon	18	(60)	26	(67)	0.8	(0.3–2.0)	
Sausage links	14	(47)	17	(44)	1.1	(0.4-2.9)	
Ham	6	(20)	3	(8)	3.0	(0.7–13.2)	
Cold breakfast foods							
Fruit salad	19	(66)	13	(33)	3.8	(1.4–10.5) [¶]	4.7 (1.2–18.8) [¶]
Honeydew melon	20	(67)	9	(23)	6.6	(2.3–19.3)¶	,
Cantaloupe	20	(67)	12	(31)	4.5	(1.6–12.5)¶	
Red grapes	16	(53)	8	(21)	4.4	(1.5–12.8)¶	
Orange	3	(10)	2	(5)	2.1	(0.3–13.7)	
Banana	9	(30)	10	(26)	1.2	(0.4–3.6)	
Strawberries	3	(10)	3	(8)	1.3	(0.2–7.1)	
Lunch and dinner foods							
Prime rib	5	(17)	12	(31)	0.5	(0.1-1.5)	0.1 (0.02–0.8) [¶]
Salad, lettuce	13	(43)	12	(31)	1.7	(0.6–4.6)	1.6 (0.2–13.7)
Salad, tomato	9	(30)	10	(26)	1.2	(0.4–3.6)	,
Salad, carrots	2	(7)	6	(15)	0.4	(0.1–2.1)	
Salad, croutons	8	(27)	3	(8)	4.4	(1.0–18.2)¶	5.0 (0.5–52.1)
Salad dressing (any)	12	(40)	11	(28)	1.7	(0.6–4.7)	1.5 (0.2–11.7)

^{*} Defined as persons with symptom onset who traveled to Atlantic City during May 1–July 19, 2007, and had either laboratory-confirmed *Salmonella* Litchfield infection (confirmed), or diarrheal illness without culture confirmation (probable). All 30 case-patients also ate at the same hotel restaurant.

† Confidence interval.

Multivariable model controlled for sex, age, consumption of creamed chipped beef, scrambled eggs, fruit salad, prime rib, lettuce, croutons, and salad addressing.

¹ p<0.05 by chi-square test for bivariate analysis (unadjusted odds ratio) and by multivariable regression (adjusted odds ratio).

association with illness (OR = 10.0; CI = 2.1-47.7) than eating cantaloupe (OR = 5.4; CI = 1.3-22.7) or grapes (OR = 6.1; CI 1.5-24.5).

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Editorial Note: This outbreak resulted in confirmed or probable cases of salmonellosis in at least 20 patrons and 10 food handlers, all of whom consumed food items from the same hotel restaurant in Atlantic City during a period of several weeks. Many other cases likely went unidentified because adults with salmonellosis often do not seek medical treatment that would enable their infections to be detected by PulseNet (1). A case-control study identified consumption of fruit salad, and particularly honeydew melon, as the food items most likely associated with illness.

The cause of the outbreak likely was an ill restaurant worker who handled the fruit salad, and possibly other foods. This food handler was not identified and might have been one of five employees who stopped working at the restaurant before the outbreak investigation and could not be contacted. Recurring food contamination through the outbreak period by infected workers is plausible as a source of infection because 60% of workers with culture-confirmed illness were asymptomatic, and all 10 ill workers worked throughout probable infectious periods. Illness likely was underreported by workers; one culture-confirmed worker initially reported having no symptoms but later admitted to experiencing multiple loose stools in a 24-hour period. Foods other than fruit salad also might have been contaminated with Salmonella bacteria, but were not associated with illness in the multivariable analysis. The fruit salad was the only uncooked item prepared onsite and stored for several hours on the buffet and was the only food item with a statistically significant association with illness in the multivariable analysis.

Since 1990, S. Litchfield has only been identified in four other foodborne outbreaks reported to CDC's Electronic Foodborne Outbreak Reporting System (eFORS) and represented only 0.4% of the 391,293 cases of Salmonella infection reported to the National Salmonella Surveillance System during 1995–2005 (3). Because of low salmonellosis reporting rates, this outbreak continued for approximately 6 weeks

before cases were linked epidemiologically. The rare *S*. Litchfield serotype in this outbreak triggered the investigation that determined a common exposure source. Among *S*. Litchfield PFGE patterns reported to PulseNet, the one associated with this outbreak (*Xba*I pattern JGXX01.0004) is the one identified most frequently (16%).

Melon can be a frequent reservoir of bacteria in salmonellosis outbreaks (2). During 1995–2006, eFORS reported that honeydew melon was associated with 15 (42%) of 36 melonassociated outbreaks. Although bacterial contamination in melons can occur before consumer purchase (4,5), no illnesses outside of workers and patrons of the implicated restaurant were reported in this outbreak. Fresh-cut melons left at room temperature for 5 hours harbor significantly higher counts of Salmonella bacteria compared with refrigerated melons (6). In the outbreak described in this report, the honeydew melon and other fruits in the fruit salad were placed routinely over an ice bath for 4 hours during the breakfast buffet, and patrons and workers might have consumed fruit served at inadequate temperatures once the ice melted.

The findings in this report are subject to at least three limitations. First, results of the case-control study might have been limited by reporting bias and low statistical power. Second, workers with negative stool cultures might have underreported symptoms and, therefore, might have been misclassified. Finally, limited recall of patrons interviewed several weeks after visiting the restaurant might have resulted in underreporting or inaccurate reporting of exposure to food items.

Restaurant and hotel managers should reinforce safe food-handling practices, including worker avoidance of all food-handling responsibilities during illness, particularly diarrhea. In addition, because restaurant workers might be fluent only in languages other English, appropriate instruction and signage should be provided in a language each worker can understand.

Acknowledgments

This report is based, in part, on contributions from K Adams, MPH, Atlantic County Div of Public Health; J Fagliano, PhD, ML Falco, MPH, W Manly, MA, New Jersey Dept of Health and Senior Svcs; TS Troppy, MPH, Massachusetts Dept of Health; V Reddy, MPH, New York City Dept of Health and Mental Hygiene; P Smith, MD, New York State Dept of Health; Y Khachadourian, T Quinlan, New York State Wadsworth Center Bacteriology Laboratory; V Dato, MD, L Lind, NK Rea, PhD, Pennsylvania Dept of Health; BW Kissler, MPH, US Dept of Agriculture; and K Bisgard, DVM, CDC.

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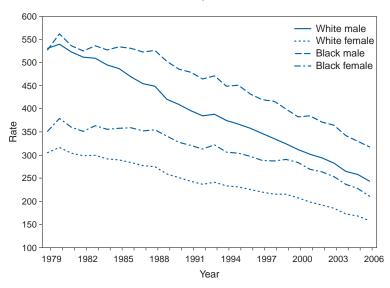
Errata: Vol. 57, No. RR-5

In the MMWR Recommendations and Reports (Vol. 57, No. RR-5), "Prevention of Herpes Zoster: Recommendations of the Advisory Committee on Immunization Practices (ACIP)," two errors occurred on page 18 in Table 5. In the first subheading under "Cost-Effectiveness" in column one, the wording should read, "Outcomes prevented per million persons over remaining lifetime." The second subheading should read, "Resources averted per million persons over remaining lifetime."

QuickStats

FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

Age-Adjusted Rates* of Death from Heart Disease, by Race and Sex — United States, 1979–2006[†]



^{*} Per 100,000 standard population.

Since 1979, age-adjusted rates of death from heart disease have declined significantly among blacks and whites for both men and women. Death rates remain highest for black males and lowest for white females, although differences by race and sex have narrowed in recent years. From 2005 to 2006, rates of death from heart disease declined 7.4% for black females, 5.8% for white females, 5.4% for white males, and 3.8% for black males.

SOURCE: Heron MP, Hoyert DL, Xu JQ, Scott C, Tejada-Vera B. Deaths: preliminary data for 2006. Natl Vital Stat Rep 2008;56(16). Available at http://www.cdc.gov/nchs/data/nvsr/nvsr56/nvsr56_16.pdf and http://www.cdc.gov/nchs/data/statab/hist001r.pdf.

[†] Data for 2006 are preliminary.

TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending July 12, 2008 (28th Week)*

	Current	Cum	5-year weekly	Total o	cases rep	orted for	previou	s years	
Disease	week	2008	average [†]	2007	2006	2005	2004	2003	States reporting cases during current week (No.
Anthrax	_	_		1	1	_	_	_	
Botulism:									
foodborne	_	4	0	32	20	19	16	20	
infant	_	35	2	84	97	85	87	76	
other (wound & unspecified)	_	6	1	27	48	31	30	33	
Brucellosis	1	39	2	131	121	120	114	104	OR (1)
Chancroid	1	24	1	23	33	17	30	54	MA (1)
Cholera	_	_	0	7	9	8	6	2	
Cyclosporiasis§	7	65	9	92	137	543	160	75	NY (1), FL (6)
Diphtheria	_	_	_	_	_	_	_	1	
Domestic arboviral diseases§,¶:									
California serogroup	_	2	5	53	67	80	112	108	
eastern equine	_	1	1	4	8	21	6	14	
Powassan	_	_	0	7	1	1	1	_	
St. Louis	_	3	0	9	10	13	12	41	
western equine	_	_	_	_	_	_	_	_	
Ehrlichiosis/Anaplasmosis§,**:									
Ehrlichia chaffeensis	14	122	19	828	578	506	338	321	MN (9), DE (1), MD (1), VA (1), FL (1), TN (1)
Ehrlichia ewingii	_	_	_	_	_	_	_	_	
Anaplasma phagocytophilum	34	74	24	834	646	786	537	362	OH (1), MN (32), NE (1)
undetermined	1	4	9	337	231	112	59	44	MD (1)
Haemophilus influenzae,††									()
invasive disease (age <5 yrs):									
serotype b	_	10	0	22	29	9	19	32	
nonserotype b	3	82	3	199	175	135	135	117	MN (3)
unknown serotype	3	115	3	180	179	217	177	227	MN (1), TN (1), ID (1)
Hansen disease§	_	36	2	101	66	87	105	95	
Hantavirus pulmonary syndrome§	_	6	1	32	40	26	24	26	
Hemolytic uremic syndrome, postdiarrheal§	2	69	6	282	288	221	200	178	CT (1), MD (1)
Hepatitis C viral, acute	10	383	16	849	766	652	720	1,102	PA (1), OH (1), MI (1), MN (2), VA (1), TN (1), CA (3)
HIV infection, pediatric (age <13 yrs)§§	_	_	5	_	_	380	436	504	
Influenza-associated pediatric mortality ^{§,¶¶}	_	86	1	77	43	45	_	N	
Listeriosis	7	265	20	800	884	896	753	696	NH (1), NY (1), PA (1), MD (1), CA (3)
Measles***	_	98	2	43	55	66	37	56	
Meningococcal disease, invasive†††:									
A, Č, Y, & W-135	2	163	4	315	318	297	_	_	MN (1), TX (1)
serogroup B	2	94	3	163	193	156	_	_	GA (1), AL (1)
other serogroup	_	19	0	35	32	27	_	_	
unknown serogroup	9	370	10	548	651	765	_	_	NY (1), PA (1), MI (1), MN (1), FL (3), OR (1), CA (1)
Mumps	2	244	15	772	6,584	314	258	231	PA (1), HI (1)
Novel influenza A virus infections	_	_	_	1	N	N	N	N	
Plague	_	1	0	7	17	8	3	1	
Poliomyelitis, paralytic	_	_	_	_	_	1	_	_	
Poliovirus infection, nonparalytic§	_	_	_	_	N	N	N	N	
Psittacosis§	_	4	0	12	21	16	12	12	
Q fever ^{§,§§§} total:	3	52	3	171	169	136	70	71	
acute	2	47	_	_	_	_	_	_	OH (2)
chronic	1	5	_	_	_	_	_	_	OH (1)
Rabies, human	_	_	0	1	3	2	7	2	• •
Rubella ^{¶¶¶}	_	9	0	12	11	11	10	7	
Rubella, congenital syndrome	_	_	_	_	1	1	_	1	
SARS-CoV ^{§,****}	_	_	_	_	_	_	_	8	

- —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts.
 - * Incidence data for reporting years 2007 and 2008 are provisional, whereas data for 2003, 2004, 2005, and 2006 are finalized.
 - † Calculated by summing the incidence counts for the current week, the 2 weeks preceding the current week, and the 2 weeks following the current week, for a total of 5 preceding years. Additional information is available at http://www.cdc.gov/epo/dphsi/phs/files/5yearweeklyaverage.pdf.
 - Not notifiable in all states. Data from states where the condition is not notifiable are excluded from this table, except in 2007 and 2008 for the domestic arboviral diseases and influenza-associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.
 - Includes both neuroinvasive and nonneuroinvasive. Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data for West Nile virus are available in Table II.
- ** The names of the reporting categories changed in 2008 as a result of revisions to the case definitions. Cases reported prior to 2008 were reported in the categories: Ehrlichiosis, human monocytic (analogous to *E. chaffeensis*); Ehrlichiosis, human granulocytic (analogous to *Anaplasma phagocytophilum*), and Ehrlichiosis, unspecified, or other agent (which included cases unable to be clearly placed in other categories, as well as possible cases of *E. ewingii*).
- †† Data for *H. influenzae* (all ages, all serotypes) are available in Table II.

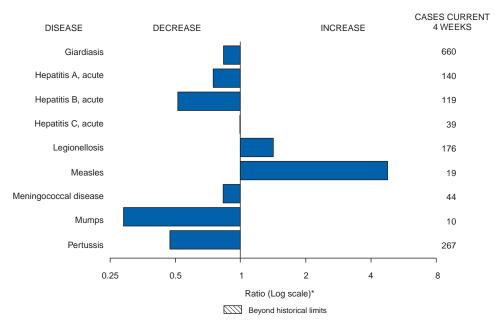
 §§ Updated monthly from reports to the Division of HIV/AIDS Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. Implementation of HIV reporting influences the number of cases reported. Updates of pediatric HIV data have been temporarily suspended until upgrading of the national HIV/AIDS surveillance data management system is completed. Data for HIV/AIDS, when available, are displayed in Table IV, which appears quarterly.
- 11 Updated weekly from reports to the Influenza Division, National Center for Immunization and Respiratory Diseases. Eighty-four cases occurring during the 2007–08 influenza season have been reported.
- *** No measles cases were reported for the current week.
- ††† Data for meningococcal disease (all serogroups) are available in Table II.
- §§§ In 2008, Q fever acute and chronic reporting categories were recognized as a result of revisions to the Q fever case definition. Prior to that time, case counts were not differentiated with respect to acute and chronic Q fever cases.
- No rubella cases were reported for the current week.
- **** Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases.

TABLE I. (Continued) Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending July 12, 2008 (28th Week)*

	Current	Cum	5-year weekly	Total o	cases rep	orted for	previou	s years	
Disease	week	2008	average [†]	2007	2006	2005	2004	2003	States reporting cases during current week (No.)
Smallpox§	_		_					_	
Streptococcal toxic-shock syndrome§	1	84	2	132	125	129	132	161	OH (1)
Syphilis, congenital (age <1 yr)	_	95	8	429	349	329	353	413	
Tetanus	_	3	1	27	41	27	34	20	
Toxic-shock syndrome (staphylococcal)§	1	34	1	92	101	90	95	133	CA (1)
Trichinellosis	_	4	0	5	15	16	5	6	
Tularemia	2	37	5	137	95	154	134	129	AR (2)
Typhoid fever	3	184	7	432	353	324	322	356	MD (1), NC (1), CA (1)
Vancomycin-intermediate Staphylococcus au	ıreus§ —	5	0	28	6	2	_	N	
Vancomycin-resistant Staphylococcus aureus	s§ —	_	_	2	1	3	1	N	
Vibriosis (noncholera Vibrio species infection	ıs)§ 7	104	6	447	N	N	N	N	MD (1), FL (4), AL (1), CA (1)
Yellow fever	_	_	_	_	_	_	_	_	

^{-:} No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts.

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals July12, 2008, with historical data



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

Notifiable Disease Data Team and 122 Cities Mortality Data Team Patsy A. Hall

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^{*} Incidence data for reporting years 2007 and 2008 are provisional, whereas data for 2003, 2004, 2005, and 2006 are finalized.

[†] Calculated by summing the incidence counts for the current week, the 2 weeks preceding the current week, and the 2 weeks following the current week, for a total of 5 preceding years. Additional information is available at http://www.cdc.gov/epo/dphsi/phs/files/5yearweeklyaverage.pdf.

Not notifiable in all states. Data from states where the condition is not notifiable are excluded from this table, except in 2007 and 2008 for the domestic arboviral diseases and influenza-associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending July 12, 2008, and July 14, 2007 (28th Week)*

			Chlamyd	lia [†]			Coccid	ioidomy	cosis			Cryp	tosporio	liosis	
	Cuman		vious	C		Current		vious	C		C		vious	C	<u></u>
Reporting area	Current week	Med Med	veeks Max	Cum 2008	Cum 2007	Current week	Med	weeks Max	Cum 2008	Cum 2007	Current week	Med	veeks Max	Cum 2008	Cum 2007
United States	11,177	21,504	28,755	554,014	572,444	41	70	341	1,266	4,151	51	84	914	1,874	1,723
New England Connecticut	1,044 270	682 210	1,516 1,093	18,922 5,291	18,476 5,445	_ N	0	1 0	1 N	2 N	3	5 0	17 15	133 15	140 42
Maine§	44	48	67	1,336	1,376	N	0	0	N	N	_	1	5	12	15
Massachusetts New Hampshire	659 2	313 39	660 73	9,520 1,017	8,398 1,058	N —	0	0 1	N 1	N 2	3	2 1	11 4	48 30	45 19
Rhode Island [§] Vermont [§]	38 31	58 17	98 36	1,502 256	1,653 546		0	0	N	 N	_	0 1	3 4	4 24	5 14
Mid. Atlantic	1,778	2,774	4,974	77,126	75,428	_	0	0	_	_	10	13	120	257	214
New Jersey New York (Upstate)	533	406 561	524 2,177	9,949 14,475	11,471 13,640	N N	0 0	0 0	N N	N N	3	0 4	8 20	10 79	11 60
New York City Pennsylvania	819 426	1,016 800	3,147 1,031	30,878 21,824	27,193 23,124	N N	0	0	N N	N N	7	2 6	8 103	38 130	37 106
E.N. Central	1,106	3,537	4,426	90,252	95,506	_	1	3	21	16	7	23	134	472	412
Illinois Indiana	10 228	1,005 390	1,711 656	24,714 10,996	27,541 11,247	N N	0	0	N N	N N	_	2	13 41	43 77	48 27
Michigan	536	762	1,223	23,749	20,577	_	0	2	14	12	_	5	11	92	76
Ohio Wisconsin	74 258	859 378	1,530 615	21,119 9,674	25,664 10,477	N	0 0	1 0	7 N	4 N	6 1	6 8	60 60	120 140	92 169
W.N. Central	709	1,147	1,693	33,689	28,699	N	0	77	_ N	6	8	16	72	321	207
Iowa Kansas	117 223	146 163	231 529	4,509 4,915	4,346	N N	0 0	0 0	N N	N N	2 2	2 1	37 15	71 22	34
Minnesota Missouri	6 320	263 468	373 577	6,593 12,873	7,089 12,222	_	0	77 1	_	<u> </u>	4	5 3	34 14	85 73	47 47
Nebraska§	_	93	247	2,426	2,792	N	0	0	N	N	_	2	24	45	20
North Dakota South Dakota	43	33 53	65 81	900 1,473	923 1,327	N N	0	0 0	N N	N N	_	0 1	51 16	2 23	1 58
S. Atlantic	2,933	3,957	7,609	102,144	112,248	_	0	1	2	3	17	19	65	375	392
Delaware District of Columbia	49 —	65 120	150 203	1,962 3,427	1,866 3,145	_	0 0	0 1	_	1	_	0	4 2	7 3	3 1
Florida Georgia	1,187 1	1,307 646	1,557 1,338	36,688 5,303	28,226 22,398	N N	0	0	N N	N N	13 4	8 4	35 14	173 109	169 90
Maryland [§] North Carolina	403	469 206	683 4,783	12,014 10,305	10,876 15,782		0	1	2 N	2 N	_	0	3 18	11 15	14 43
South Carolina§	401	472	3,068	14,403	14,687	N	0	Ō	N	N	_	1	15	23	33
Virginia [§] West Virginia	881 11	508 59	1,062 96	16,438 1,604	13,595 1,673	N N	0 0	0 0	N N	N N	_	1 0	6 5	27 7	35 4
E.S. Central	1,051	1,538	2,394	41,997	44,045		0	0		<u> </u>	2	4	64	58	83
Alabama [§] Kentucky	 257	479 225	605 361	11,495 5,995	13,499 4,097	N N	0 0	0 0	N N	N N	<u>1</u>	1 1	14 40	21 12	26 24
Mississippi Tennessee§	349 445	370 515	1,048 715	10,126 14,381	11,631 14,818	N N	0	0	N N	N N	_ 1	1 1	11 18	6 19	17 16
W.S. Central	461	2,715	4,426	71,897	63,837	_	0	1	1	1	_	5	37	71	98
Arkansas [§] Louisiana	336	236 375	455 851	7,583 7,909	4,776 10,446	<u>N</u>	0 0	0 1	N 1	N 1	_	1 0	8 4	14 4	13 29
Oklahoma Texas [§]	125	234 1,809	416 3,923	6,093 50,312	6,696 41,919	N N	0	0	N N	N N	_	1 3	11 28	20 33	16 40
Mountain	506	1,386	1,836	30,785	39,266	_	11	170	89	2,576	3	9	567	150	134
Arizona Colorado	93 99	475 299	679 488	10,794 5,243	12,968 9,372	N	8 0	168 0	38 N	2,496 N	_	0 2	4 26	38	22 36
Idaho [§] Montana [§]	66	56 49	233 363	1,752 1,496	1,934 1,489	N N	0	0	N N	N N	1 2	2	71 7	30 25	7 15
Nevada [§]	132	184	416	5,152	5,124	_	1	7	32	35	_	0	6	6	5
New Mexico§ Utah	116	138 118	561 209	3,252 3,085	4,923 2,794	_	0	3 7	14 4	16 29	_	2	9 484	27 16	37 4
Wyoming§	_	9	34	11	662	_	0	1	1	_	_	0	8	8	8
Pacific Alaska	1,589 106	3,365 94	4,676 129	87,202 2,473	94,939 2,606	41 N	30 0	217 0	1,152 N	1,547 N	1	2	20 2	37 1	43 1
California Hawaii	1,276	2,837 110	4,115	76,389 2,812	73,890 3,047	41 N	30 0	217 0	1,152 N	1,547 N	_	0	0 4	<u></u>	
Oregon§	207	184	152 402	5,415	5,111	N	0	0	N	N	1	2	16	35	42
Washington	_	54	498	113	10,285	N	0	0	N	N	_ N	0	0	_ N	
American Samoa C.N.M.I.	3	0	22	73 —	73 —	N —	0	0	N —	N —	<u>N</u>	0	0	N —	N
Guam Puerto Rico	 184	10 115	26 612	103 3,848	458 4,117	N	0	0	N	N	N	0 0	0 0	N	N
U.S. Virgin Islands		7	21	339	106		Ō	0				Ō	0		

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

* Incidence data for reporting years 2007 and 2008 are provisional. Data for HIV/AIDS, AIDS, and TB, when available, are displayed in Table IV, which appears quarterly. Chlamydia refers to genital infections caused by *Chlamydia trachomatis*.

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 12, 2008, and July 14, 2007 (28th Week)*

			Giardiasi	is				onorrhe	a		Hae 	All age	s, all ser	<i>zae</i> , invas otypes†	sive
	Current	Prev	rious eeks	Cum	Cum	Current		evious weeks	Cum	Cum	Current		vious veeks	Cum	Cum
Reporting area	week	Med	Max	2008	2007	week	Med	Max	2008	2007	week	Med	Max	2008	2007
United States	160	300	1,156	7,232	7,719	3,406	6,353	8,875	155,069	183,565	36	46	173	1,451	1,433
New England	9	24	58	608 144	586	144	97	227	2,676	2,966	2	3 0	12	98	106
Connecticut Maine [§]	2	6 4	18 10	63	160 70	64 2	48 2	199 7	1,165 50	1,112 64		0	9 3	21 8	27 7
Massachusetts New Hampshire	5	10 1	27 4	254 49	250 10	68	45 2	127 6	1,201 64	1,439 87	_	2 0	5 2	49 6	55 10
Rhode Island§	_	1	15	36	30	10	7	13	182	231	_	0	2	7	6
Vermont [§] Mid. Atlantic	2 35	3 61	9 131	62 1,369	66 1,416	— 459	1 632	5 1,028	14 17,100	33 19,097	3	0 10	3 31	7 291	1 275
New Jersey	_	7	15	132	197	_	113	174	2,795	3,255	_	1	7	39	45
New York (Upstate) New York City	21 —	23 16	111 29	526 360	476 440	124 189	129 176	545 525	3,247 5,227	3,124 5,753	1	3 1	22 6	90 47	72 55
Pennsylvania	14	15	29	351	303	146	227	394	5,831	6,965	2	4	9	115	103
E.N. Central Illinois	26	48 13	96 34	1,067 263	1,276 399	538 4	1,331 381	1,638 589	31,801 8,032	38,471 9.994	5	7 2	28 7	216 61	216 71
Indiana	N	0	0	N	N	114	157	296	4,453	4,668	_	1	20	45	31
Michigan Ohio	2 19	11 16	21 36	216 404	319 343	310 26	301 341	657 685	8,845 7,740	8,495 11,746		0 2	3 6	9 86	17 61
Wisconsin	5	9	26	184	215	84	120	214	2,731	3,568	_	1	4	15	36
W.N. Central Iowa	2	24 4	619 12	729 135	369	172 9	318 27	426 53	8,547 731	9,542	11	3	24 1	119 2	77
Kansas		3	11	49	65	52	44	130	1,194	1,201	_	Ō	4	11	9
Minnesota Missouri	_	0 9	575 23	191 206	6 198	3 99	61 169	92 235	1,520 4,241	1,832 5,543	10	0 1	21 6	32 49	27 29
Nebraska§	1	4	8	101	55	_	25	51	667	770	1	0	3	18	11
North Dakota South Dakota	_	0 1	36 6	14 33	8 37	9	2 5	7 11	48 146	57 139	_	0 0	2 0	7 —	1
S. Atlantic	38	56	102	1,230	1,369	1,093	1,444	3,072	34,960	42,458	10	11	29	395	369
Delaware District of Columbia	1	1 1	6 5	22 21	20 35	20	22 48	44 104	615 1,336	736 1,248	_	0 0	1 1	4 5	5 1
Florida	24	24	47	600	592	440	474	616	12,525	11,894	5	3	10	107	95
Georgia Maryland [§]	5 5	11 5	28 18	246 108	295 123	2 154	251 122	561 237	1,944 3,245	9,092 3,291	3	2 2	8 5	88 67	72 57
North Carolina South Carolina§	N	0 3	0 7	N 57	N 41	 174	136 190	1,949 836	4,378 5,241	7,181 5,330	2	1 1	9 7	43 30	41 34
Virginia [§]	3	8	39	151	248	302	140	486	5,301	3,205	_	1	6	41	50
West Virginia E.S. Central	3	0 10	8 23	25 204	15 230	1 404	16 564	34 945	375 15,191	481 16,934	_ 1	0 3	3 8	10 81	14 82
Alabama§	1	5	11	111	122	_	195	287	4,585	5,841	_	0	2	14	20
Kentucky Mississippi	N N	0	0	N N	N N	117 130	82 132	161 401	2,340 3,739	1,541 4,335	_	0	1 2	2 11	4
Tennessee§	2	4	16	93	108	157	169	261	4,527	5,217	1	2	6	54	52
W.S. Central Arkansas§	11 3	7 3	41 11	122 62	167 66	167 124	1,009 82	1,355 167	24,345 2,460	26,439 2,227	2	2	29 3	67 3	63 6
Louisiana	_	1	14	13	45	_	180	384	3,586	6,050	_	0	2	3	3
Oklahoma Texas [§]	8 N	3 0	35 0	47 N	56 N	43	93 643	171 1,102	2,283 16,016	2,561 15,601		1 0	21 3	56 5	49 5
Mountain	3	28	68	549	724	126	237	330	5,513	7,234	1	4	13	105	158
Arizona Colorado	_	0 11	11 26	 228	97 232	12 65	79 59	130 91	1,610 1,571	2,708 1,782	_	0 1	4 4	1 35	62 37
Idaho [§]	2	3	19	70	59	5	4	19	78	129	1	0	4	9	4
Montana [§] Nevada [§]	1	2	8 6	32 53	43 73	39	1 44	48 130	47 1,289	47 1,246	_	0 0	1 1	2 11	7
New Mexico§ Utah	_	2 6	5 32	45 107	65 135	 5	28 12	104 36	640 278	850 432	_	0 1	4 6	20 27	26 19
Wyoming [§]	_	1	3	14	20	_	0	4	_	40	_	Ö	1	_	3
Pacific Alaska	33 2	58 2	185 5	1,354 37	1,582 33	303 12	632 10	809 24	14,936 260	20,424 280	1	2	7 4	79 12	87 6
California	30	38	91	934	1,092	253	555	683	13,681	17,116		0	4	15	33
Hawaii Oregon [§]	1	1 9	5 19	17 213	43 207	 38	11 23	22 63	291 687	364 601	_	0 1	2 4	14 35	6 41
Washington	_	8	87	153	207	_	8	97	17	2,063	_	Ö	3	3	1
American Samoa C.N.M.I.	_	0	0	_	_	_	0	1	3	3	_	0	0	_	_
Guam	_	0	1	_	2	_	1	12	— 45	70	_	0	1	_	=
Puerto Rico U.S. Virgin Islands	2	3 0	31 0	52 —	155	6	5 2	23 6	141 64	174 26	N	0	0	 N	2 N
J.O. VIIGIII ISIAIIUS		U	U					U	04	20	111	U	U	IN	IN

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Med: * Incidence data for reporting years 2007 and 2008 are provisional.
Data for *H. influenzae* (age <5 yrs for serotype b, nonserotype b, and unknown serotype) are available in Table I. Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Max: Maximum.

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending July 12, 2008, and July 14, 2007 (28th Week)*

(28th Week)*				Hepat	itis (viral, a	cute), by ty	pe [†]								
		Previ	A ous				Prev	B ious					egionello: vious	SIS	
	Current	52 we	eks	Cum	Cum	Current	52 w	eeks	Cum	Cum	Current	52 v	veeks	Cum	Cum
Reporting area United States	week	Med	Max	2008	2007	week	Med	Max	2008	2007	week	Med	Max	2008	2007
	47	52	168	1,280	1,439	38	75 1	258	1,686	2,268	54	51	117	1,042	1,015
New England Connecticut		3 0	7 3	63 14	57 8	_	0	6 6	33 10	63 24	3 3	3 1	14 4	52 15	53 11
Maine§ Massachusetts	_ 1	0 1	1 5	4 27	1 29	_	0	2	8 8	3 26	_	0 1	2	1 11	1 21
New Hampshire		Ö	2	5	10	_	0	1	3	4	_	0	2	7	1
Rhode Island§ Vermont§	_ 1	0 0	2 1	11 2	6 3	_	0	3 1	3 1	5 1	_	0	5 2	14 4	16 3
Mid. Atlantic	2	7	18	134	228	2	9	18	201	294	21	15	37	273	288
New Jersey New York (Upstate)	_ 1	1 1	6 6	22 33	67 39	_ 1	2	7 7	36 38	88 42	 16	1 4	13 15	18 94	35 80
New York City	_	2	7	42	78	_	2	5	40	68	_	2	11	22	63
Pennsylvania	1	1	6	37	44	1	3	7	87	96	5	6	21	139	110
E.N. Central Illinois	<u>5</u>	6 2	15 10	163 56	169 68	4	7 1	18 6	178 37	265 87	13	11 1	35 16	211 19	226 48
Indiana Michigan	_	0 2	4 7	7 58	4 41	_	0	8 6	23 51	22 68	_ 1	1 3	7 11	18 56	18 76
Ohio	5	1	3	27	36	4	2	7	61	72	12	4	17	114	74
Wisconsin	_	0	2	15	20	_	0	1	6	16	_	0	5	4	10
W.N. Central lowa	4	4 1	26 7	172 74	67 —	_	2	8 2	49 7	50 —	7	2	9 2	55 7	44
Kansas Minnesota		0	3 23	8 20	3 42	_	0	1 5	3 4	6 9		0	1 6	1 8	6 11
Missouri	_	1	3	29	11	_	1	4	31	24	_	1	4	26	21
Nebraska§ North Dakota	2	1 0	5 2	39	7	_	0	1 1	4	8	3	0	2	12	3
South Dakota	_	ő	1	2	4	_	ő	2	_	3	_	Ö	1	1	3
S. Atlantic	6	9	17	189	253	11	16	60	450	558	5	8	28	195	196
Delaware District of Columbia	_	0 0	1 0		3	_	0 0	3 0	6	9	_	0 0	2 1	5 6	6 8
Florida Georgia	2 1	3 1	8 3	78 25	74 43	7 1	6 3	12 8	176 64	188 77	2 1	3 1	10 3	74 13	71 21
Maryland [§]	1	1	3	21	44	_	2	6	38	62	1	2	6	47	36
North Carolina South Carolina§	2	0 0	9 4	35 6	29 5	2	0 1	17 6	50 35	75 38	_	0 0	7 2	11 5	22 9
Virginia [§] West Virginia	_	1 0	5 2	17 3	51 4	1	2	16 30	56 25	80 29	1	1 0	6 3	29 5	20 3
E.S. Central	_	2	9	42	52	4	7	13	179	191		2	10	67	49
Alabama§	_	0	4	5	9	_	2	5	48	68	_	0	1	8	5
Kentucky Mississippi	_	0 0	2	14 4	9 6	<u>1</u>	2 0	5 3	52 18	33 21	2	1 0	3 1	33 1	23
Tennessee§	_	1	6	19	28	3	2	8	61	69	_	1	5	25	21
W.S. Central Arkansas§	1	5 0	55 1	112 4	113 7	9	17 1	131 3	347 19	457 41	_	2	23 2	32 5	49 6
Louisiana	_	0	3	4	17	_	1	4	20	57	_	0	2	_	2
Oklahoma Texas [§]	1	0 5	7 53	5 99	3 86	5 4	2 11	37 107	50 258	24 335	_	0 1	3 18	3 24	1 40
Mountain	1	3	9	62	133	4	3	7	74	120	_	2	6	28	48
Arizona Colorado	_	0 0	6 3	1 24	95 17	_	0 0	4 3	1 12	53 18	_	0 0	5 2		11 11
Idaho§	_	0	3	15	2	2	0	2	6	6	_	0	1	2	4
Montana [§] Nevada [§]	1	0 0	2 1	4	4 7		0 1	1 3	 24	 28	_	0	1 2	2 6	2 6
New Mexico§ Utah	_	0	3 2	14 2	4 2	_	0	2 5	7 21	9 4	_	0	1 3	3 12	6 5
Wyoming§	_	0	1	2	2	_	0	1	3	2	_	0	0	_	3
Pacific	26	12	51	343	367	4	9	30	175	270	3	4	18	129	62
Alaska California		0 10	1 42	2 284	2 326	3	0 6	2 19	8 122	4 197	3	0 3	1 14	1 100	48
Hawaii Oregon [§]	_	0 1	1 3	4 20	5 13	<u> </u>	0 1	2	3 23	7 35	_	0	1 2	4 10	1 4
Washington	_	1	7	33	21		1	9	19	27	_	0	3	14	9
American Samoa	_	0	0	_	_	_	0	0	_	14	N	0	0	N	N
C.N.M.I. Guam	_	0	0	_	_	_	0	1	_		_	0	0	_	_
Puerto Rico	_	0	4	12	43	_	1	5 0	22	43	_	0	1	1	3
U.S. Virgin Islands		U	U				U	U	_	_		U	U		

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

* Incidence data for reporting years 2007 and 2008 are provisional.

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

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 12, 2008, and July 14, 2007 (28th Week)*

			yme dise	ase				/lalaria			Men	All	serogro	se, invasi ups	ve [†]
	Current	Prev	rious eeks	Cum	Cum	Current		ious eeks	Cum	Cum	Current		vious veeks	Cum	Cum
Reporting area	week	Med	Max	2008	2007	week	Med	Max	2008	2007	week	Med	Max	2008	2007
United States	447	347	1,550	6,532	11,916	27	22	136	445	592	13	18	52	646	650
New England	25	54	548	871	4,121	2	1	35	24	32	_	0	3	17	33
Connecticut Maine§	_	0 6	227 61		1,876 61	1	0	27 2	6	1 3	_	0	1 1	1 3	5
Massachusetts	17	16	252	486	1,626	_	0	2	14	21	_	0	3	13	16
New Hampshire Rhode Island [§]	4	10 0	58 77	265	494 2	_	0 0	1 8	1	7	_	0 0	0 1	_	3
Vermont§	4	2	11	50	62	1	0	2	3	_	_	0	1	_	3
Mid. Atlantic	302	170	662	3,820	4,414	1	6 0	18 7	89	163	2	2	6 1	73	79 10
New Jersey New York (Upstate)	198	31 64	161 453	524 1,270	1,774 897	1	1	8	 15	32 31	1	0	3	3 21	25
New York City Pennsylvania	104	1 54	27 293	5 2,021	167 1,576	_	3 1	9 4	57 17	86 14		0 1	2 5	16 33	16 28
E.N. Central	—	6	154	59	1,220	1	2	7	66	75	1	3	9	96	98
Illinois	_	0	13	12	87	_	1	6	26	38	_	1	3	28	39
Indiana Michigan	_	0 1	7 5	3 19	17 18	_	0	1 2	2 8	5 9	_ 1	0	4 2	16 14	15 16
Ohio	_	0	4	11	5	1	0	3	20	13	_	1	4	29	23
Wisconsin	— 61	3	132	14	1,093	_	0	3	10	10	_	0	2	9	5
W.N. Central lowa	61	2 0	740 6	267 18	91 —	9	0 0	8 1	31 2	20 —	2	1 0	8 3	63 12	32
Kansas Minnesota	<u> </u>	0	1 731	1 229	8 75	 8	0	1 8	3 14	1 11		0	1 7	1 18	10
Missouri	-	0	3	14	5	<u> </u>	0	4	6	3	_	0	3	21	13
Nebraska§ North Dakota	_	0	1 9	3 1	3	1	0	2	6	4	_	0	2 1	9 1	2
South Dakota	_	0	1	1	_	_	0	0	_	1	_	0	1	1	3
S. Atlantic	54	59	221	1,324	1,953	6	5	15	130	125	4	3	7	101	100
Delaware District of Columbia	15 2	12 2	35 8	411 65	372 71	<u> </u>	0	1 1	1 1	3 2	_	0	1 0	1	1
Florida	4	1	4	24	4	2	1	7	28	22	3	1	3	37	36
Georgia Maryland§	 22	0 30	3 136	3 603	7 1,116	1 2	1 1	3 5	24 36	19 34	1	0 0	3 2	13 11	10 17
North Carolina	3	0	8 4	5	21	_	0	7	15 4	13	_	0	4	9 14	13
South Carolina§ Virginia§	1 7	12	68	8 197	13 339	_	0 1	1 7	21	5 27	_	0	2	13	10 13
West Virginia	_	0	9	8	10	_	0	1	_	_	_	0	1	3	_
E.S. Central Alabama [§]	_	1 0	6 3	23 9	30 9	2	0	3 1	9	19 3	1 1	1 0	6 2	37 5	35 7
Kentucky	_	0	1	1	2	_	0	1	3	4	_	0	2	7	7
Mississippi Tennessee§	_	0	1 4	1 12	— 19	1 1	0	1 2	1 2	1 11	_	0	2	9 16	9 12
W.S. Central	_	1	11	25	36	_	1	64	16	52	1	2	13	65	70
Arkansas [§] Louisiana	_	0	1 0	_		_	0	1 1	_	 13	_	0	1 3	6 12	7 23
Oklahoma	_	0	1	_	_	_	0	4	2	4	_	0	5	10	14
Texas [§]	_	1	10	25	34	_	1	60	14	35	1	1	7	37	26
Mountain Arizona	1	0	3 1	14 1	15	_	1 0	5 1	8	33 6	_	1 0	3 1	28	46 11
Colorado	_	0	1	2	_	_	0	2	3	12	_	0	2	8	15
Idaho [§] Montana [§]	1	0	2	5 2	4 1	_	0	2 1	_	3	_	0 0	2 1	2 4	4
Nevada§	_	0	2	1	6	_	0	3	4	2	_	0	2	6	3
New Mexico§ Utah	_	0 0	1 1	2	3 1	_	0 0	1 1	1 —	1 9	_	0 0	1 2	4 2	2
Wyoming§	_	0	1	1	_	_	0	0	_	_	_	0	1	2	2
Pacific Alaska	4 2	4 0	8 2	129 3	36 2	6	3	10 2	72 3	73 2	2	4 0	17 2	166 3	157 1
California	2	3	7	108	31	6	2	8	59	48	1	3	17	121	116
Hawaii Oregon [§]	N	0	0 4	N 18	N 3	_	0	1 2	2 4	2 12	_ 1	0	2	1 23	22 22
Washington	_	0	7	_	_	_	0	3	4	9	_	0	5	18	14
American Samoa	N	0	0	N	N	_	0	0	_	_	_	0	0	_	_
C.N.M.I. Guam	_	0	0	_	_	_	0	1	<u> </u>	_	_	0	0	_	_
Puerto Rico	N	0	0	N	N	_	0	1	1	2	_	0	1	2	6
U.S. Virgin Islands	N	0	0	N	N		0	0				0	0		_

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

* Incidence data for reporting years 2007 and 2008 are provisional.

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

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

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending July 12, 2008, and July 14, 2007 (28th Week)*

			Pertussi	s				ies, anim	nal		Ro			otted feve	er
	Current	Prev	ious eeks	Cum	Cum	Current		/ious /eeks	Cum	Cum	Current		vious veeks	Cum	Cum
Reporting area	week	Med	Max	2008	2007	week	Med	Max	2008	2007	week	Med	Max	2008	2007
United States	57	144	848	3,411	4,861	54	92	175	2,208	3,084	51	29	195	564	871
New England	4	23	49	369	760	1	8	20	177	291	_	0	2	1	5
Connecticut Maine [†]	_	0 1	5 5	— 16	40 40	_	3 1	17 5	96 28	120 44	N	0 0	0 0	N	N
Massachusetts	4	17	34	315	617	N	0	0	N	N	_	0	2	1	5
New Hampshire Rhode Island [†]	_	1 1	5 25	14 19	38 4	1 N	1 0	4 0	20 N	25 N	_	0 0	1 0	_	_
Vermont [†]	_	0	6	5	21	_	2	6	33	102	_	0	0	_	_
Mid. Atlantic New Jersey	21 —	20 1	43 9	396 3	669 112	15 —	20 0	32 0	546 —	525 —	_	1 0	5 2	29 2	41 15
New York (Úpstate)	17	6	23	162	322	15	9	20	233	250	_	0	2	8	3
New York City Pennsylvania	4	2 8	7 23	34 197	73 162	_	0 10	2 23	10 303	28 247	_	0	2 2	10 9	15 8
E.N. Central	8	20	190	649	933		3	43	45	62	_	1	3	12	30
Illinois Indiana	_	3 0	8 12	62 22	100 31	N	0	0 1	N 2	N 6	_	0	3 1	2 1	19 4
Michigan	2	4	16	77	148	_	1	32	25	32	_	Ö	1	2	3
Ohio Wisconsin	5 1	6 2	176 14	458 30	417 237	N	1 0	11 0	18 N	24 N	_	0 0	3 1	7	4
W.N. Central	9	9	141	331	244	8	3	12	77	130	_	4	29	123	162
Iowa Kansas	_	1 1	5 5	32 25	— 58	_	0	3 7	9	— 78	_	0	5 2	_	
Minnesota	5	0	131	104	59	7	0	6	26	10	_	0	4	_	1
Missouri Nebraska [†]	4	2 1	18 12	120 42	54 23	_	0	5 0	21 —	19 —	_	3 0	25 3	115 7	145 6
North Dakota South Dakota	_	0	5 2	1 7	3 47	1	0	8 2	14 7	11 12	_	0	0 1	_ 1	_ 3
S. Atlantic	11	13	50	350	519	14	40	73	1,116	1,235	19	8	109	200	405
Delaware	_	0	2	5	6	_	0	0	· —	<i>'</i> —	_	0	2	6	10
District of Columbia Florida	9	0 3	1 9	2 106	7 123	_	0	0 31	 74	128	2 4	0 0	2	6 7	2
Georgia Maryland [†]	1	0 1	3 6	21 35	27 66	_	6 9	37 18	187 224	133 220	4	0 1	6 6	20 23	39 27
North Carolina		0	38	76	180	_	9	16	251	269	6	0	96	84	246
South Carolina† Virginia†	_	2	22 11	49 52	47 53	 14	0 12	0 27	 321	46 400	1 2	0 1	4 8	16 37	29 46
West Virginia	_	0	12	4	10		1	11	59	39	_	Ö	3	1	2
E.S. Central Alabama [†]	_	7 1	31 6	124 19	173 41	1	2	7 0	68	84	9	4 1	16 10	98 28	145 36
Kentucky	_	1	5	27	13	1	0	3	18	10	_	0	1	_	4
Mississippi Tennessee [†]	_	3 1	29 4	49 29	62 57	_	0 2	1 6	2 48	— 74	9	0 1	3 9	4 66	9 96
W.S. Central	1	19	198	398	538	9	8	40	62	604	23	2	153	93	60
Arkansas†	_	1	17 2	37 3	116 13	_	1	6	36	15 3	5	0	15 2	13	14
Louisiana Oklahoma	1	0	26	14	2	9	0	32	 25	45	 18	0	132	72	32
Texas [†]	_	17	179	344	407	_	1	34	1	541	_	0	8	6	13
Mountain Arizona	_	16 1	37 8	355 9	605 150	N	2	8 0	30 N	25 N	_	0	2 1	6	20 3
Colorado	_	4 0	13 4	76 18	159	_	0	0 4	_	_	_	0	2	_	_
Idaho† Montana†	_	0	11	18 59	26 30	_	0 0	3	1	6	_	0	1 1		1
Nevada [†] New Mexico [†]	_	0 1	7 7	17 26	25 38	_	0	2	3 18	3 5	_	0	0 1	_ 1	4
Utah	_	6	27	145	162	_	0	2	2	5	_	0	Ö	_	_
Wyoming [†] Pacific	_	0	202	5 430	15 420	_	0	4	6	6	_	0	2 1	3	10
Alaska	3 3	20 1	303 29	439 51	420 29	6	4 0	10 4	87 12	128 36	N	0 0	0	2 N	3 N
California Hawaii	_	8 0	129 2	174 4	245 13	6	3	8 0	73	88		0	1 0	1 N	1 N
Oregon [†]	_	2	14	74	53	_	Ō	1	2	4	_	Ö	1	1	2
Washington	_	5	169	136	80	_	0	0	_	_	N	0	0	N	N
American Samoa C.N.M.I.	_	0	0	_	_	N —	0	0	N —	N —	N —	0	0	N —	_ N
Guam Puerto Rico	_	0	0	_	_		0 1	0 4	33	 27	N N	0	0	N N	N N
U.S. Virgin Islands	_	0	0	_	_	3 N	0	0	33 N	27 N	N N	0	0	N N	N N

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 2007 and 2008 are provisional.

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

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending July 12, 2008, and July 14, 2007 (28th Week)*

		s	almonello	sis		Shiga t	oxin-pro	ducing E	. coli (ST	Shigellosis					
	Previous Current 52 weeks			Cum Cum		Current	Previous 52 weeks Cum			C	Current		vious	C	Cum
Reporting area	week	Med	Max	Cum 2008	2007	week	Med	Max	2008	Cum 2007	week	Med	weeks Max	Cum 2008	2007
United States	730	800	2,100	17,038	19,820	77	73	244	1,797	1,735	382	394	1,226	8,706	7,994
New England Connecticut Maine [§] Massachusetts New Hampshire Rhode Island [§] Vermont [§]	12 1 11 —	24 0 2 16 3 1	253 224 14 60 10 13	924 224 66 494 57 42 41	1,361 431 58 699 82 48 43	1 1 - -	4 0 0 2 0 0	19 15 4 9 5 3	92 15 5 46 14 7 5	170 71 17 63 10 3 6	3 1 1 - 1	3 0 0 2 0 0	24 22 1 8 1 9	97 22 4 61 1 7	158 44 13 89 4 6
Mid. Atlantic New Jersey New York (Upstate) New York City Pennsylvania	71 	86 15 25 22 30	212 48 73 48 83	2,062 293 603 489 677	2,776 608 660 610 898	$\frac{\frac{10}{7}}{\frac{7}{3}}$	8 1 4 1 2	192 7 188 5 11	365 6 289 22 48	207 57 63 24 63	23 — 19 — 4	25 6 7 9 2	78 16 36 35 65	1,000 188 359 386 67	320 67 54 118 81
E.N. Central Illinois Indiana Michigan Ohio Wisconsin	48 — 8 40 —	89 24 9 17 25 14	197 80 52 43 65 37	2,082 580 237 350 648 267	2,991 1,162 281 444 602 502	10 — 1 9	10 1 1 2 2 3	36 13 12 12 17 16	215 22 18 48 78 49	229 39 22 36 60 72	55 — 1 51 3	72 18 10 1 19 9	145 37 83 7 104 39	1,586 425 406 41 492 222	1,134 292 33 30 424 355
W.N. Central lowa Kansas Minnesota Missouri Nebraska [§] North Dakota South Dakota	73 2 9 55 — 6 1	45 6 6 13 14 5 0 2	86 18 18 39 29 13 35	1,212 195 137 341 321 133 23 62	1,081 — 203 305 349 117 17 90	25 2 — 20 — 3 —	11 1 0 3 3 2 0 1	30 10 3 15 12 6 20 5	292 58 11 84 78 39 2	218 — 28 86 48 32 5 19	16 — 16 — — —	21 1 0 4 9 0 0	55 9 2 11 37 3 15	450 70 8 128 137 — 32 75	1,099 — 16 129 855 12 3 84
S. Atlantic Delaware District of Columbia Florida Georgia Maryland [§] North Carolina South Carolina [§] Virginia [§] West Virginia	275 1 130 52 16 54 10 12	247 2 1 97 37 15 19 21 18 4	442 8 4 181 86 44 228 52 49 25	4,508 67 26 2,082 755 327 440 383 353 75	4,701 70 30 1,853 759 368 628 391 532 70	12 — 5 — 1 3 1 2	12 0 0 2 1 2 1 0 2	40 2 1 18 7 5 24 3 9	311 7 6 90 33 49 36 20 56	285 10 — 72 35 40 46 6 73 3	45 — 22 15 2 3 3 —	73 0 0 22 26 2 1 8 4 0	149 2 3 75 47 7 12 32 14 61	1,742 8 7 499 683 31 57 365 85 7	2,537 5 11 1,411 907 50 36 48 68
E.S. Central Alabama [§] Kentucky Mississippi Tennessee [§]	38 11 14 3 10	57 15 9 14 16	144 50 23 57 34	1,161 316 187 332 326	1,341 356 256 347 382	5 -1 -4	5 1 1 0 2	26 19 12 2 12	122 37 21 4 60	111 40 31 3 37	26 4 1 — 21	51 12 8 17 13	178 43 35 112 32	1,081 251 182 232 416	785 284 172 232 97
W.S. Central Arkansas [§] Louisiana Oklahoma Texas [§]	85 35 — 34 16	105 13 7 12 58	894 50 44 72 794	1,740 274 80 301 1,085	1,706 257 361 190 898	2 1 — 1 —	4 1 0 0 3	25 4 1 14 11	91 23 — 16 52	127 23 7 12 85	153 20 — 2 131	57 3 4 3 40	748 27 17 32 702	1,900 253 78 56 1,513	991 51 296 54 590
Mountain Arizona Colorado Idaho [§] Montana [§] Nevada [§] New Mexico [§] Utah Wyoming [§]	22 — 13 2 7 —	49 3 11 3 1 5 6 5	83 40 44 10 10 12 28 17 5	1,026 7 398 91 42 113 215 138 22	1,253 420 284 61 46 132 135 131	5 — 5 — — —	8 0 2 2 0 0 1 1 0	42 8 17 16 3 3 5 9	158 1 47 43 15 13 18 17 4	216 58 39 44 — 14 22 29	9 1 8 	12 2 2 0 0 2 1 1	40 30 6 2 1 13 6 5	205 5 43 5 3 112 23 11 3	392 197 58 7 13 17 60 15 25
Pacific Alaska California Hawaii Oregon [§] Washington	106 2 99 4 1	110 1 77 5 6 12	399 5 286 14 15	2,323 26 1,715 116 191 275	2,610 48 1,962 134 171 295	7 5 1 1	9 0 5 0 1	40 1 34 5 11 13	151 3 91 6 18 33	172 — 98 16 20 38	52 51 1	30 0 26 1 1 2	79 1 61 43 5 20	645 — 564 22 25 34	578 7 463 16 35 57
American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands	 5 	0 0 12 0	1 2 55 0	1 8 213	11 403	_ _ _ _	0 0 0 0	0 0 1 0	_ _ _ 2 _	_ _ _ _	_ _ _ _	0 0 0 0	1 3 2 0	1 14 6 —	3 10 19

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.

* Incidence data for reporting years 2007 and 2008 are provisional.
Includes *E. coli* O157:H7; Shiga toxin-positive, serogroup non-O157; and Shiga toxin-positive, not serogrouped.

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 12, 2008, and July 14, 2007 (28th Week)*

	Stre	<u> </u>		invasive, g	oup A	Streptococcus p	Streptococcus pneumoniae, invasive disease, nondrug resistant [†] Age <5 years							
Reporting area	Current week		rious eeks Max	Cum 2008	Cum 2007	Current week		vious veeks Max	Cum 2008	Cum 2007				
United States	69	91	259	3,252	3,448	11	33	166	890	1,064				
New England	7	6	33	259	277	_	2	14	48	86				
Connecticut	7	0	28	78	83	_	0	11	_	11				
Maine [§] Massachusetts	_	0 3	3 8	17 125	20 136	_	0 1	1 5	1 37	1 57				
New Hampshire	_	0	2	16	21	_	0	1	7	8				
Rhode Island [§] /ermont [§]	_	0	7 2	13 10	2 15	_	0 0	1 1	2 1	7 2				
Mid. Atlantic	11	16	43	689	670	1	4	19	116	192				
New Jersey	_	3	9	106	125	_	1	6	21	39				
New York (Upstate) New York City	4	6 3	18 10	235 120	204 165	<u>1</u>	2 1	14 12	62 33	64 89				
Pennsylvania	7	5	16	228	176	N	Ó	0	N	N				
E.N. Central	13	17	63	693	695	3	6	23	199	193				
llinois	_	5	16	182	210	_	1	6	46	45				
ndiana Michigan		2 2	11 10	87 90	78 146	_ 1	0 1	14 5	23 42	12 56				
Ohio	11	5	15	198	167	_	1	5	35	39				
Visconsin	_	2	42	136	94	2	1	9	53	41				
W.N. Central	7	4	39	264	228	1	2	16	80	54				
owa Kansas	_	0 0	0 6	 32	 26	_	0 0	0 3	 12	_				
Minnesota	5	0	35	121	111	1	0	13	29	33				
Missouri	_	2	10	62	59 15	_	1 0	2	24	15				
Nebraska [§] North Dakota	2	0	3 5	26 9	15 11	_	0	3 2	6 4	5 1				
South Dakota	_	Ő	2	14	6	_	Ö	1	5	<u>.</u>				
S. Atlantic	20	21	37	659	797	2	6	13	151	184				
Delaware District of Columbia	_	0 0	2 2	6 13	6 16		0 0	0 1	_ 1					
Florida	5	6	11	156	181	_	1	4	40	37				
Georgia	5	4	10	137	155	_	1	5	10	41				
Maryland [§] North Carolina	5 3	4 2	9 10	121 89	139 104	1 N	1 0	5 0	40 N	46 N				
South Carolina§	1	1	5	37	76	1	1	4	31	22				
∕irginia [§] Vest Virginia	1	3 0	12 3	81 19	101 19		0 0	6 1	24 5	31 5				
E.S. Central	3	4	9	108	138		2	11	62	54				
Alabama§	N N	0	0	108 N	136 N	N	0	0	N	54 N				
Kentucky		1	3	22	31	N	0	0	N	N				
Mississippi Tennessee§	N 3	0 3	0 7	N 86	N 107	_	0 2	3 9	15 47	5 49				
N.S. Central	7	8	85	272	195	4	5	66	148	145				
Arkansas§	_	0	2	4	16		0	2	4	9				
Louisiana	_	0 1	1	3	14 47	_	0	2 7	2	25				
Oklahoma Texas§	2 5	5	19 65	72 193	47 118	4	1 3	7 58	47 95	32 79				
Mountain	_	9	16	228	366	_	3	12	76	145				
Arizona	_	0	8	1	136	_	0	8	_	66				
Colorado daho§	_	3 0	8 2	100 11	94 8	_	1 0	4 1	42 3	31 2				
Montana§	N	0	0	N	N	_	0	1	3	1				
Nevada [§]	_	0	2	6	2	N	0	0	N 13	N 27				
New Mexico [§] Jtah	_	2 1	7 5	66 39	63 58	_	0 0	3 4	13 14	27 18				
Nyoming§	_	Ö	2	5	5	_	Ö	1	1	_				
Pacific	1	3	10	80	82		0	2	10	11				
Alaska California	1	0 0	3 0	21	15 —	N N	0 0	0 0	N N	N N				
Jalifornia Hawaii	_	2	10	— 59	— 67	N —	0	2	10	11				
Oregon§	N	0	0	N	N	N	0	0	N	N				
Vashington	N	0	0	N	N	N	0	0	N	N				
American Samoa C.N.M.I.	_	0	12	30	4	N	0	0	N	N —				
	_	0	3	_	7	_	0	0	_	_				
Guam						N								

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notified.

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

* Incidence data for reporting years 2007 and 2008 are provisional.

Includes cases of invasive pneumococcal disease, in children aged <5 years, caused by *S. pneumoniae*, which is susceptible or for which susceptibility testing is not available (NNDSS event code 11717).

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 12, 2008, and July 14, 2007 (28th Week)*

		Str			<i>oniae</i> , inva	sive diseas	e, drug r	esistant†							
			All ages	;				e <5 year	s	Syphilis, primary and secondary					
		Prev			_			vious	_	_			vious		_
Reporting area	Current week	Med 52 w	eeks Max	Cum 2008	Cum 2007	Current week	Med	veeks Max	Cum 2008	Cum 2007	Current week	Med	<u>reeks</u> Max	Cum 2008	Cum 2007
United States	20	50	264	1,541	1,606	4	9	43	253	310	111	230	351	5,761	5,574
New England	_	1	41	30	83	_	0	8	5	12	5	6	14	155	127
Connecticut	_	0	37	_	51	_	0	7	_	4	_	0	6	11	16
Maine§ Massachusetts	_	0 0	2 0	13	8	_	0	1 0	1	1 2	2 2	0 4	2 11	8 124	2 76
New Hampshire	_	0	0	_	_	_	0	0	_	_	1	0	3	9	13
Rhode Island§ Vermont§	_	0 0	3 2	7 10	13 11	_	0	1 1	2 2	3 2	_	0 0	3 5	2 1	18 2
Mid. Atlantic	4	3	10	132	92	_	0	2	16	22	16	32	45	907	849
New Jersey	_	0	0	_	_	_	0	0	_	_	_	4	10	106	105
New York (Upstate) New York City	2	1 0	4 5	34 39	29	_	0	2	5	8	4 10	3 17	13 30	79 570	72 526
Pennsylvania	2	1	8	59	63	_	Ö	2	11	14	2	5	12	152	146
E.N. Central	2	13	50	432	433	1	2	14	72	71	16	16	31	449	449
Illinois Indiana	_	2 3	15 28	57 133	78 98	_	0	6 11	14 16	25 12	1 2	5 2	19 6	78 73	235 23
Michigan	_	0	2	8	1	_	0	1	2	1	5	2	17	118	60
Ohio Wisconsin	2	7 0	15 0	234	256	1	1	4 0	40	33	6 2	4 1	14 4	154 26	97 34
W.N. Central	_	2	106	103	113	_	0	9	7	22	_	7	13	206	154
Iowa	_	0	0	_	_	_	0	0	_	_	_	0	2	10	_
Kansas Minnesota	_	1 0	5 105	42	61 1	_	0	1 9	2	4 14	_	0 1	5 5	17 50	9 36
Missouri	_	1	8	61	42	_	0	1	2		_	5	10	126	103
Nebraska§ North Dakota	_	0 0	0	_	2	_	0	0	_	_	_	0	1 1	3	3
South Dakota	_	0	2	_	7	_	0	1	3	4	_	0	3	_	3
S. Atlantic	13	20	42	638	674	2	4	10	108	145	31	50	215	1,245	1,221
Delaware District of Columbia	_	0	1 3	2 12	5 12	_	0	1 0	_	1 1	_	0 2	4 11	8 57	6 105
Florida	11	11	26	355	374		2	6	71	74	9	18	34	486	408
Georgia Maryland [§]	2	7 0	19 2	206	240	_	1	6 1	30	61	8 7	10 6	175 14	181	181
North Carolina	N	0	0	3 N	1 N	N	0	0	1 N	N		6	18	167 162	160 188
South Carolina§		0	0				0	0			2	1	5	46	53
Virginia [§] West Virginia	N —	0 1	0 7	N 60	N 42	N —	0	0 2	N 6	N 8	5	5 0	17 0	138	114 6
E.S. Central	1	5	14	161	130	1	1	4	32	20	15	20	31	555	423
Alabama§	N	0 1	0 4	N 44	N	N	0	0 2	N	N		8 1	17	226	171 34
Kentucky Mississippi	_	0	5	1	17 34	_	0	1	8	2	3	2	7 15	48 77	59
Tennessee§	1	3	12	116	79	1	1	3	24	18	10	8	14	204	159
W.S. Central	_	1	5	26	51	_	0	2	8	7	11	39	62	995	924
Arkansas§ Louisiana	_	0 0	2 5	9 17	1 50	_	0	1 2	3 5	2 5	9	2 10	19 22	81 189	62 247
Oklahoma	N	0	0	N	N	N	0	0	N	N	2	1	5	44	34
Texas§	_	0	0	_	_	_	0	0	_	_	_	25	49	681	581
Mountain Arizona	_	1 0	6 0	19 —	30	_	0	2	4	9	6	9 5	29 21	200 78	221 114
Colorado		0	0	_			0	0			1	2	7	60	25
Idaho [§] Montana [§]	N	0	0 0	N —	N	N	0	0	N	N	_	0 0	1 3	2	1 1
Nevada§	N	0	0	N	N	N	0	Ō	N	N	5	2	6	43	49
New Mexico [§] Utah	_	0 1	1 6	1 18	 19	_	0	0 2	4	<u> </u>	_	1 0	3 2	17	23 7
Wyoming§	_	Ö	1	_	11	_	ő	1		1	_	Ö	1	_	1
Pacific	_	0	0	-	_		0	1	1	2	11	40	71	1,049	1,206
Alaska California	N N	0	0 0	N N	N N	N N	0	0	N N	N N		0 37	1 59	929	5 1,117
Hawaii	_	0	0	_	_	_	0	1	1	2	_	0	2	11	5
Oregon§ Washington	N N	0	0 0	N N	N N	N N	0	0	N N	N N	1 8	0 3	2 13	9 100	8 71
American Samoa	N	0	0	N	N	N	0	0	N	N	_	0	0	_	4
C.N.M.I.	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Guam Puerto Rico	_	0	0	_	_	_	0	0	_	_	_	0 3	0 10	90	— 77
U.S. Virgin Islands	_	0	0	_	_	_	0	0		_	_	0	0	90	

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Max * Incidence data for reporting years 2007 and 2008 are provisional.
Includes cases of invasive pneumococcal disease caused by drug-resistant *S. pneumoniae* (DRSP) (NNDSS event code 11720). Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending July 12, 2008, and July 14, 2007 (28th Week)*

		Varice	ella (chick	(enpox)			Neu	roinvasiv		us disease	Nonneuroinvasive§					
				/ious			Previous									
	Current	Prev 52 w	eeks	Cum	Cum	Current		/eeks	Cum	Cum	Current		veeks	Cum	Cum	
Reporting area	week	Med	Max	2008	2007	week	Med	Max	2008	2007	week	Med	Max	2008	2007	
United States	120	645	1,660	17,159	25,977	_	1	143	10	109	_	2	307	20	230	
New England	6	15	68	313	1,602	_	0	2	_	_	_	0	2	_	_	
Connecticut	_	0	38	_	909	_	0	1	_	_	_	0	1	_	_	
Maine [¶] Massachusetts	_	0	26 0	_	208	_	0	0 2	_	_	_	0	0 2	_	_	
New Hampshire	_	5	18	137	220	_	0	0	_	_	_	0	0	_	_	
Rhode Island ¹ Vermont ¹	<u> </u>	0 6	0 17	 176		_	0	0	_	_	_	0	1 0	_	_	
Mid. Atlantic	29	58	117	1,435	265 3,154	_	0	3	_	_	_	0	3	_	_	
New Jersey	29 N	0	0	1,435 N	3,154 N	_	0	3 1	_	1	_	0	0	_	_1	
New York (Upstate)	N	0	0	N	N	_	0	2	_	_	_	0	1	_	_	
New York City Pennsylvania	N 29	0 58	0 117	N 1,435	N 3,154	_	0	3 1	_	<u> </u>	_	0 0	3 1	_	1	
E.N. Central	17	157	378	3,943	7,494		0	19	_	10	_	0	12	_	4	
Illinois		137	124	625	657	_	0	19	_	7	_	0	8	_	3	
Indiana	_	0	222	_	_	_	0	4	_	_	_	0	2	_	_	
Michigan Ohio	5 12	60 55	154 128	1,566 1,506	2,827 3,226	_	0	5 4	_	1 1	_	0	1 3	_	1	
Wisconsin		7	32	246	784	_	0	2	_	1	_	0	2		_'	
W.N. Central	1	21	145	717	1,101	_	0	41	_	24	_	0	118	5	90	
Iowa	N	0	0	N	N	_	0	4	_	1	_	0	3	_	2	
Kansas Minnesota	1	6 0	36 0	236	409	_	0	3 9	_	2 4	_	0	7 12	_	1	
Missouri	_	11	47	413	628	_	0	8	_	4	_	0	3	_	2	
Nebraska¶	N	0	0	N	N	_	0	5	_	2	_	0	16	_	24	
North Dakota South Dakota	_	0	140 5	48 20	<u> </u>	_	0	11 9	_	5 10	_	0	49 32	4 1	29 29	
S. Atlantic	23	93	161	2,788	3,327	_	0	12	_	3	_	0	6	1	29	
Delaware	23	93	5	2,788	3,327 25	_	0	12	_	_	_	0	0	_	_	
District of Columbia	_	0	3	17	21	_	0	0	_	_	_	0	0	_	_	
Florida Georgia	18 N	30 0	87 0	1,122 N	768 N	_	0	1 8	_	1	_	0 0	0 5	_	1	
Maryland [¶]	N	0	0	N	N	_	0	2		_	_	0	2			
North Carolina	N	0	0	N	N	_	0	1	_	1	_	0	2	_	_	
South Carolina [¶] Virginia [¶]	2 1	16 21	66 73	542 638	692 1,113	_	0	2 1	_	<u> </u>	_	0	1 1	_	_1	
West Virginia	2	15	66	439	708	_	0	Ó	_		_	0	Ö	_		
E.S. Central	1	18	101	815	328	_	0	11	4	13	_	0	14	6	11	
Alabama¶	1	18	101	806	327	_	0	2	_	4	_	0	1	1	1	
Kentucky Mississippi	N	0	0 2	N 9	N 1	_	0	1 7	4	<u> </u>	_	0	0 12	4	10	
Tennessee [¶]	N	Ö	0	Ň	Ň	_	Ö	1		1	_	ő	2	i	_	
W.S. Central	43	181	886	5,850	7,139	_	0	36	3	11	_	0	19	6	8	
Arkansas [¶]	1	11	42	357	464	_	0	5	2	2	_	0	2	_	_	
Louisiana Oklahoma	N	1 0	7 0	27 N	89 N	_	0	5 11	_	<u> </u>	_	0	3 8		1	
Texas [¶]	42	166	852	5,466	6,586	_	Ō	19	1	8	_	Ö	11	4	7	
Mountain	_	39	105	1,258	1,790	_	0	36	2	23	_	0	148	1	63	
Arizona	_	0	0	 553	— 690	_	0	8	1	12	_	0	10	<u> </u>	3	
Colorado Idaho [¶]	N	16 0	43 0	553 N	N	_	0	17 3	1	5	_	0 0	67 22		28 13	
Montana [¶]	_	6	27	204	276	_	0	10	_	1	_	0	30	_	3	
Nevada [¶] New Mexico [¶]	N	0 4	0 22	N 131	N 287	_	0	1 8	_	<u> </u>	_	0 0	3 6	_	1	
Utah	_	9	55	365	519	_	0	8	_	1	_	0	9	_	3	
Wyoming [¶]	_	Ō	9	5	18	_	Ō	8	_	3	_	Ō	34	_	11	
Pacific	_	1	7	40	42	_	0	18	1	24	_	0	23	2	51	
Alaska California	_	1 0	4 0	33	25 —	_	0	0 18	<u> </u>	 24	_	0	0 20		48	
Hawaii	_	0	6	7	17	_	0	0		_	_	0	0	_	_	
Oregon [¶]	N	0	0	N	N	_	0	3	_	_	_	0	4	_	3	
Washington	N	0	0	N	N	_	0	0	_	_	_	0	0	_	_	
American Samoa C.N.M.I.	N	0	0	N	N	_	0	0	_	_	_	0	0	_	_	
Guam	_		17	55	184	_	0	0	_	_	_	0	0	_		
Puerto Rico	4	10	37	268	447	_	0	0	_	_	_	0	0	_	_	
U.S. Virgin Islands	_	0	0	_	_	_	0	0	_	_	_	0	0	_	_	

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

* Incidence data for reporting years 2007 and 2008 are provisional.
Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data for California serogroup, eastern equine, Powassan, St. Louis, and western equine diseases are available in Table I.

Not notifiable in all states. Data from states where the condition is not notifiable are excluded from this table, except in 2007 for the domestic arboviral diseases and influenza-associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.

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

TABLE III. Deaths in 122 U.S. cities.* week ending July 12, 2008 (28th Week)

TABLE III. Deaths		All causes, by age (years)								All	auses, k	y age (y	ears)		
Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	P&I [†] Total	Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	P&I [†] Total
New England	465	323	98	32	7	5	51	S. Atlantic	1,132	691	287	90	28	36	46
Boston, MA	119	72	30	11	3	3	16	Atlanta, GA	81	41	18	9	2	11	1
Bridgeport, CT	18 29	14 20	3 8	_ 1	1	_	1 2	Baltimore, MD	166	92	48 19	16	7	3	15
Cambridge, MA Fall River, MA	29	20	2	2	_	_	7	Charlotte, NC Jacksonville, FL	86 161	59 93	53	4	2	2 7	3
Hartford, CT	53	40	7	4	2	_	9	Miami, FL	95	53	27	13	1	1	6
Lowell, MA	19	15	3	1	_	_	1	Norfolk, VA	55	31	14	4	2	4	_
Lynn, MA	8	6	1	1	_	_	_	Richmond, VA	75	41	23	9	2	_	4
New Bedford, MA	23	14	8	1 U	 U	 U	3	Savannah, GA	79	59	16	2	1	1	7
New Haven, CT Providence, RI	U 39	U 34	U 5	U	_		U 2	St. Petersburg, FL Tampa, FL	57 181	37 123	13 33	5 15	<u> </u>	2	3 4
Somerville, MA	3	1	1	1	_	_	_	Washington, D.C.	73	43	21	5	3	1	2
Springfield, MA	59	36	14	8	1	_	5	Wilmington, DE	23	19	2	2	_		1
Waterbury, CT	25	21	4	_	_	_	4	E.S. Central	837	551	191	55	16	24	49
Worcester, MA	44	28	12	2	_	2	1	Birmingham, AL	186	121	40	18	3	4	10
Mid. Atlantic	2,108	1,457	442	114	44	50	111	Chattanooga, TN	97	69	21	3	1	3	8
Albany, NY	43	34	6	1	2	_	1	Knoxville, TN	90	64	20	3	_	3	6
Allentown, PA	29	21	4	1	1	2	2	Lexington, KY	41	26	11	4	_	_	1
Buffalo, NY	66	47	12	3	3	1	4	Memphis, TN	116	75	31	2	4	4	8
Camden, NJ Elizabeth, NJ	21 22	13 12	6 7	1 2	_	1 1	2	Mobile, AL Montgomery, AL	67 64	46 41	13 13	6 6	1 3	1 1	1
Erie, PA	30	28	1	1	_		1	Nashville, TN	176	109	42	13	4	8	12
Jersey City, NJ	15	8	3	1	_	3		· ·							
New York City, NY	1,118	772	240	61	26	18	46	W.S. Central Austin, TX	1,466 84	882 54	375 22	123 3	45 2	41 3	71 2
Newark, NJ	38	17	11	6	2	2	3	Baton Rouge, LA	69	28	6	25	3	7	3
Paterson, NJ	18	9	4	1	_	4	1	Corpus Christi, TX	56	40	10	3	3	_	1
Philadelphia, PA Pittsburgh, PA§	297 30	179 23	81 5	20	6	11 2	13 5	Dallas, TX	174	97	39	24	7	7	8
Reading, PA	35	25	8	_	1	1	4	El Paso, TX	55	37	12	3	3	_	_
Rochester, NY	176	136	30	5	2	3	16	Fort Worth, TX	135	88	32	10	1	4	5
Schenectady, NY	21	14	3	4	_	_	2	Houston, TX Little Rock, AR	364 81	221 50	98 24	26 1	10 6	9	17 2
Scranton, PA	23	19	4	_	_	_	1_	New Orleans, LA [¶]	Ü	Ü	Ü	ΰ	Ŭ	U	Ū
Syracuse, NY Trenton, NJ	80 20	64 19	12	3 1	_	1	7	San Antonio, TX	240	145	64	19	4	8	20
Utica, NY	9	7	_	1	1	_	_	Shreveport, LA	68	38	23	3	3	1	6
Yonkers, NY	17	10	5	2	_	_	_	Tulsa, OK	140	84	45	6	3	2	7
E.N. Central	1,907	1,227	461	124	48	47	119	Mountain Albuquerque, NM	1,036 116	636 71	263 30	84 13	28	24 2	56 4
Akron, OH	42	27	10 10	3	1	1	_	Boise, ID	63	45	14	1	2	1	6
Canton, OH Chicago, IL	33 324	22 186	94	1 25	10	9	<u> </u>	Colorado Springs, CO	59	40	13	2	2	2	6
Cincinnati, OH	72	42	18	5	3	4	11	Denver, CO	105	60	32	9	_	4	4
Cleveland, OH	234	157	57	12	5	3		Las Vegas, NV	213	120	64	22	7	_	10
Columbus, OH	199	126	57	13	1	2	13	Ogden, UT Phoenix, AZ	24 129	18 65	4 35	1 19	1 6	3	1 5
Dayton, OH	148	105	25	10	3	5	9	Pueblo, CO	20	14	6	_	_	_	1
Detroit, MI	149	82	39	14	10	4	6	Salt Lake City, UT	129	86	24	7	6	6	10
Evansville, IN Fort Wayne, IN	47 53	35 36	8 13	3 3	1	1	2 3	Tucson, AZ	178	117	41	10	4	6	9
Gary, IN	10	4	3	_	1	2	_	Pacific	1,858	1,286	382	108	48	34	166
Grand Rapids, MI	31	21	9	_	_	1	4	Berkeley, CA	19	11	8	_	_	_	_
Indianapolis, IN	159	89	43	12	6	9	11	Fresno, CA	155	108	30	9	6	2	9
Lansing, MI	43	34	8	1	_	_	2	Glendale, CA	46	30	12	4	_	_	6
Milwaukee, WI	90	57	19	9	4	1	8	Honolulu, HI	87	58	16	8	2	3	11
Peoria, IL Rockford, IL	44 46	30 34	9 6	2	_	3 1	7 5	Long Beach, CA Los Angeles, CA	69 272	46 170	18 69	2 16	2 10	1 7	13 21
South Bend, IN	38	31	6	1	_		2	Pasadena, CA	33	25	6	10	10		3
Toledo, OH	74	47	20	7	_	_	2	Portland, OR	119	83	25	5	3	3	9
Youngstown, OH	71	62	7	_	1	1	8	Sacramento, CA	209	160	34	8	2	5	21
W.N. Central	661	411	158	49	19	22	34	San Diego, CA	161	116	31	7	1	6	13
Des Moines, IA	41	24	10	1	2	4	_	San Francisco, CA	108	77 160	23	4	2	2	12
Duluth, MN	39	34	4	1	_	_	2	San Jose, CA	213 39	160	31 9	15 2	4	3	21
Kansas City, KS	23	14	5	3	_	1	_	Santa Cruz, CA Seattle, WA	39 122	28 84	23	9	4	_	3 10
Kansas City, MO	83	53	25	3	1	_	5	Spokane, WA	61	40	10	9	2	_	4
Lincoln, NE	55 77	44	9	2	_	_	2	Tacoma, WA	145	90	37	9	9	_	10
Minneapolis, MN Omaha, NE	77 102	35 66	28 21	5 9	6 3	3	2 11	Total	11,470**	7 464	2,657	779	283	283	703
St. Louis, MO	115	54	27	20	6	7	1	Iotai	11,470	7,704	2,001	113	200	203	103
St. Paul, MN	45	33	8	3	_	1	4								
Wichita, KS	81	54	21	2	1	3	7								

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.

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