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Alcohol and Suicide Among Racial/Ethnic Populations — 17 States, 2005–2006

During 2001-2005, an estimated annual 79,646 alcoholattributable deaths (AAD) and 2.3 million years of potential life lost (YPLL) were attributed to the harmful effects of excessive alcohol use (1). An estimated 5,800 AAD and 189,667 YPLL were associated annually with suicide (1). The burden of suicide varies widely among racial and ethnic populations in the United States, and limited data are available to describe the role of alcohol in suicides in these populations. To examine the relationship between alcohol and suicide among racial/ ethnic populations, CDC analyzed data from the National Violent Death Reporting System (NVDRS) for the 2-year period 2005-2006 (the most recent data available). This report summarizes the results of that analysis, which indicated that the overall prevalence of alcohol intoxication (i.e., blood alcohol concentration [BAC] at or above the legal limit of 0.08 g/dL) was nearly 24% among suicide decedents tested for alcohol, with the highest percentage occurring among American Indian/ Alaska Natives (AI/ANs) (37%), followed by Hispanics (29%) and persons aged 20-49 years (28%). These results indicate that many populations can benefit from comprehensive and culturally appropriate suicide-prevention strategies that include efforts to reduce alcohol consumption, especially programs that focus on persons aged <50 years.

NVDRS is an active, state-based surveillance system that collects information on homicides, suicides, deaths of undetermined intent, deaths from legal intervention (e.g., involving a person killed by an on-duty police officer), and unintentional firearm deaths. Suicide decedents are identified as those with death certificates that list *International Classification of Diseases*, *10th Revision* codes X60–84 or Y87.0 as the primary cause of death. Information on race and ethnicity are recorded as separate items in NVDRS consistent with other vital statistics reporting; for this analysis, CDC used five racial/ethnic categories: Hispanic, non-Hispanic white, non-Hispanic black,

non-Hispanic AI/AN, and non-Hispanic Asian/Pacific Islander (A/PI). Analysis was limited to persons aged ≥10 years. Data from 2 years, 2005 and 2006, were aggregated to produce more stable estimates than could be obtained from an analysis of data from a single year.

A total of 19,255 suicides occurred in the 17 states contributing data to NVDRS during 2005–2006 (Alaska, California,* Colorado, Georgia, Kentucky, Massachusetts, Maryland, North Carolina, New Jersey, New Mexico, Oklahoma, Oregon, Rhode Island, South Carolina, Utah, Virginia, and Wisconsin) (2). This analysis excluded 21 decedents because they were aged <10 years or of unknown age and 240 decedents who were classified as "other" race or unknown race and/or ethnicity, resulting in a final sample of 18,994.

Alcohol-related information was assessed by NVDRS through questions asked of next of kin, judgment by medical or law enforcement officials, or laboratory data.† Information collected related to 1) the decedent's alcohol dependence or problem (whether the victim was perceived by self or others to have a problem with, or to be addicted to, alcohol); 2) suspected alcohol use (whether alcohol use by the decedent in the hours preceding the incident was suspected, based on witness or investigator reports or circumstantial evidence, such as empty alcohol containers around the decedent); 3) testing for alcohol

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^{*}The California system covers four major metropolitan counties.

[†] Additional information about NVDRS methods is available at http://www.cdc.gov/ncipc/pub-res/nvdrs-coding/vs3/nvdrs_coding_manual_version_3-a.pdf and http://www.cdc.gov/mmwr/preview/mmwrhtml/ss5801a1.htm.

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(i.e., whether the decedents blood was tested for the presence of alcohol); 4) alcohol test results (recorded as positive, negative, not applicable [i.e., not tested], or unknown); and 5) the decedent's BAC measured in g/dL. A BAC ≥0.08 g/dL was used to define intoxication consistent with the standard set by the U.S. Department of Transportation (3). Coroner and medical examiner records indicated that nearly 70% of the decedents were tested for BAC. The analysis of BAC excluded persons not tested for alcohol and persons who were tested for alcohol but for whom no quantitative values were recorded.

BAC was examined both as a continuous variable and as a multiple of the legal limit (≥ 0.24 , ≥ 0.16 , ≥ 0.08 , and <0.08 g/dL, and three times, two times, or any level greater than or equal to the legal limit for intoxication versus below the limit). Prevalence estimates and confidence intervals were calculated, and statistical significance was assessed by a chisquare test.

The highest percentage of suicide decedents characterized as dependent on alcohol was observed among non-Hispanic AI/ANs (21%); the lowest percentage was observed among non-Hispanic blacks (7%) (Table). Recent alcohol use was suspected in approximately 46% of non-Hispanic AI/ANs, nearly 30% of Hispanics, and 26% of non-Hispanic whites.

The highest percentage of suicide decedents tested for alcohol was among non-Hispanic blacks (76%). Alcohol was detected in the blood of 33.2% of decedents tested, with the highest percentages occurring among non-Hispanic AI/AN (45.5%) and Hispanic (39.0%) subjects tested (Table).

For all age groups, the highest percentage of decedents with BACs ≥0.08 g/dL was among AI/ANs aged 30–39 years (54.3%), followed by AI/AN and Hispanic decedents aged 20–29 years (50.0% and 37.3%, respectively). Among decedents tested who were aged 10–19 years (all of whom were under the legal drinking age in the United States), 12% had BACs ≥0.08 g/dL; the levels ranged from 1.3% in non-Hispanic blacks to 28.6% in non-Hispanic A/PIs (Figure 1). Among male decedents tested, 25% tested above legal intoxication; among females tested, 18% tested above legal intoxication (Figure 2). Males had a significantly higher percentage with BACs ≥0.08 g/dL than females (p<0.02, by chi-square test) in all racial/ethic populations except non-Hispanic AI/ANs, for whom the percentages for each sex were equal (37%) (p=0.99, by chi-square test).

Reported by: AE Crosby, MD, V Espitia-Hardeman, MSc, HA Hill, MD, PhD, L Ortega, MD, C Clavel-Arcas, MD, National Center for Injury Prevention and Control, CDC.

Editorial Note: Researchers have proposed various mechanisms regarding the role of acute or chronic alcohol use in suicidal behavior (4). These include alcohol's effect on promoting depression and hopelessness, promoting disinhibition of

TABLE. Alcohol-related characteristics among suicide decedents, by race/ethnicity — National Violent Death Reporting System, 17 states, 2005–2006

									Race/I	Ethni	city							
	Tota	al (N =	18,994)	His	spanic	(n = 1,111)	Whi	te, nor (n = 1	n-Hispanic 5,774)	Bla		n-Hispanic 1,329)	н		N [†] , non- c (n = 329)	A/		n-Hispanic : 451)
Characteristic	No.	(%)	(95% CI*)	No.	(%)	(95% CI)	No.	(%)	(95% CI)	No.	(%)	(95% CI)	No	. (%)	(95% CI)	No.	(%)	(95% CI)
Alcohol dependence ¹	2,961	(15.6)	(15.1–16.1)	193	(17.4)	(15.1–19.6)	2,576	(16.3)	(15.8–16.9)	90	(6.8)	(5.4–8.1)	69	(21.0)	(16.6–25.4)	33	(7.3)	(4.9–9.7)
Recent alcohol use suspected**	4,783	(25.2)	(24.6–25.8)	328	(29.5)	(26.8–32.2)	4,020	(25.5)	(24.8–26.2)	217	(16.3)	(14.3–18.3)	152	(46.2)	(40.8–51.6)	66	(14.6)	(11.4–17.9)
Tested for alcohol	13,208	(69.5)	(68.9–70.2)	763	(68.7)	(66.0-71.4)	10,944	(69.4)	(68.7–70.1)	1,044	(75.6)	(73.2–77.9)	225	(68.4)	(63.4–73.4)	272	(60.3)	(55.8–64.8)
Alcohol test positive††§§¶¶	4,322	(33.2)	(32.4–34.0)	296	(39.2)	(35.7–42.6)	3,616	(33.6)	(32.7–34.5)	247	(24.9)	(22.2–27.6)	101	(45.5)	(39.0–52.0)	62	(22.9)	(17.9–27.9)
Blood alcohol concentration (g/dL)§§****																		
<u>≥</u> 0.24	608	(5.4)	(5.0-5.8)	43	(6.7)	(4.8 - 8.6)	520	(5.6)	(5.1-6.0)	15	(1.8)	(0.9-2.6)	27	(13.2)	(8.5-17.8)	3	(1.6)	(0.0-3.4)
<u>≥</u> 0.16	1,531	(13.6)	(13.0-14.3)	122	(18.9)	(15.9–22.0)	1,300	(14.0)	(13.2-14.6)	53	(6.2)	(4.6-7.8)	49	(23.9)	(18.1-29.7)	7	(3.7)	(1.0-6.4)
≥0.08	2,649	٠,	(22.8–24.4)	185	,	(25.2–32.2)	,	' '	(23.2–24.9)	123	'	(12.0–16.7)	76	\ - /	(30.5–43.7)	22	(11.6)	(7.1–16.2)
<0.08	8,569	(76.4)	(75.6–77.2)	459	(71.3)	(67.8–74.8)	7,078	(75.9)	(75.1–76.8)	736	(85.7)	(83.3–88.0)	129	(62.9)	(56.3–69.5)	167	(88.4)	(83.8–92.9)

- * Confidence interval.
- † American Indian/Alaska Native.
- § Asian/Pacific Islander.
- 1 Based on whether the decedent was perceived by self (before death) or others (before or after death) to have a problem with alcohol or to be addicted to alcohol.
- ** Based on whether alcohol use by the decedent that preceded and influenced the incident was suspected, based on witness or investigator reports or circumstantial evidence, such as empty alcohol containers around the decedent.
- tt Defined as alcohol present in the blood at levels above the limits of detection of the test.
- §§ Among those with known test results.
- Mumber of decedents for whom alcohol test result was unknown was 195 total, seven for Hispanics, 172 for non-Hispanic whites, 12 for non-Hispanic blacks, three for Al/ANs, and one for A/PIs.
- *** Number of decedents for whom alcohol test result was unknown was 1,990 total, 119 for Hispanics, 1,623 for non-Hispanic whites, 145 for non-Hispanic blacks, 20 for Al/ANs, and 83 for A/Pls.

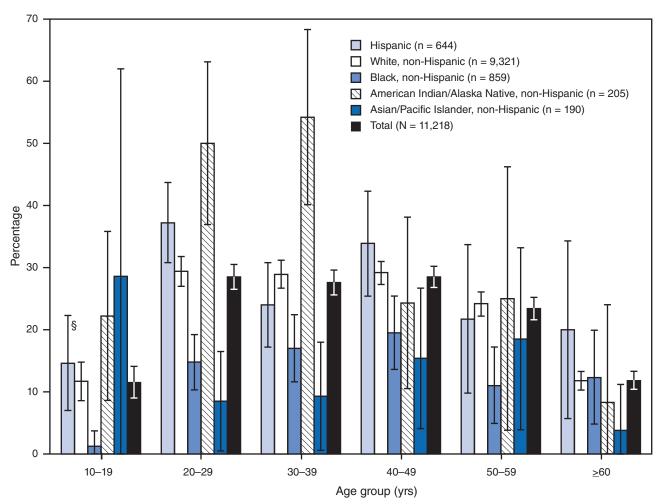
negative behavior and impulsivity, impairing problem solving, and contributing to disruption in interpersonal relationships (4). Although numerous studies show that alcohol use often plays a role in suicide, the association can vary from population to population. The results of this analysis indicate that alcohol intoxication likely was present in nearly one quarter of the tested suicide deaths recorded by NVDRS in 17 states during 2005–2006; especially among non-Hispanic AI/ANs and Hispanics. Racial/ethnic differences in the prevalence of problem drinking cannot explain the pattern in alcoholassociated suicides. Data from the Behavioral Risk Factor Surveillance System that examined binge drinking among different racial/ethnic populations showed that the highest percentage occurred among Hispanics (5).

The analysis by sex reveals that the percentage(s) of tested subjects with BACs at or over the legal limit for intoxication was higher for males than females in all racial/ethnic populations except non-Hispanic AI/ANs, for whom the percentage(s) for each sex were equal. Among suicide decedents, other studies also show higher levels of intoxication among males compared with females (4).

The findings of this report are subject to at least five limitations. First, police and coroner records might estimate alcohol

use inaccurately because persons considered unlikely to have been drinking often are not tested. For example, one study showed that women were rarely tested for alcohol, and males aged >60 years were tested less commonly than young adult males (6). Second, injury mortality deaths probably underestimate from 25% to 35% the actual numbers for AI/ANs and certain other racial/ethnic populations, such as Hispanics, because of the misclassification of race/ethnicity of decedents on death certificates (7). Third, incorrect or incomplete information might have resulted in misclassification of the intent of the deceased, especially when distinguishing among suicide, undetermined deaths, and unintentional injury deaths (4). Studies estimate that 2%-45% of suicides are misclassified as other causes, whereas few (zero to 1%) deaths classified as suicides have been found to be actually attributable to other causes (4). Fourth, autopsy practices and laboratory protocols differ from jurisdiction to jurisdiction, potentially leading to uneven assessment of alcohol-related factors. NVDRS provides some recommendations for participating states that can reduce these differences (2,6), but the extent to which these recommendations have led to improvements is not known. Finally, these results reflect the data from the 17 states studied and are not nationally representative.

FIGURE 1. Percentage of suicide decedents with blood alcohol concentrations (BACs) ≥0.08 g/dL,* by race/ethnicity and age group† — National Violent Death Reporting System, 17 states, 2005–2006



^{*} Sample sizes are based on the number of decedents tested for alcohol minus the number for whom the BAC value was unknown.

§ 95% confidence interval.

Effective, comprehensive suicide-prevention programs have been developed. These programs focus on an array of risk or protective factors, including alcohol consumption, substance misuse, and social support; however, few have been developed specifically for minority populations (4). Some international studies suggest that measures to restrict alcohol use can reduce suicides (8). The measures include raising the minimum legal drinking age; increasing taxes on alcohol sales; limiting the sale of alcohol products by age of purchaser, time of day available, or business type; and mandating that workplaces be alcohol-free. An example of a successful comprehensive prevention program that included a component addressing alcohol misuse and was implemented in an AI/AN community is the Natural Helpers program (9). This multicomponent program involved

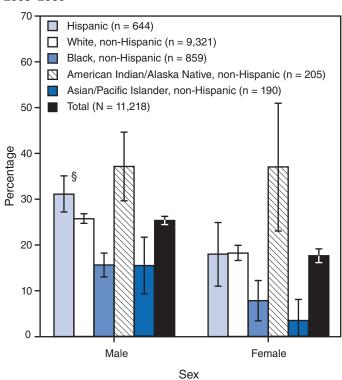
personnel who were trained to respond to young persons in crisis, notify mental health professionals in the event of a crisis, and provide health education in the schools and community. Other program components included outreach to families after a suicide or traumatic death, immediate response and follow-up for reported at-risk youth, alcohol and substance-abuse programs, community education about suicide prevention, and suicide-risk screening in mental health and social service programs.

Acknowledgments

This report is based, in part, on contributions by NVDRS staff at state health departments; and L Frazier and J Barnes, National Center for Injury Prevention and Control, CDC.

[†] Among those with known test results.

FIGURE 2. Percentage of suicide decedents with blood alcohol concentrations (BACs) \geq 0.08 g/dL,* by race/ethnicity and sex† — National Violent Death Reporting System, 17 states, 2005–2006



^{*} Sample sizes are based on the number of decedents tested for alcohol minus the number for whom the BAC value was unknown.

† Among those with known test results.

§ 95% confidence interval.

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Novel Influenza A (H1N1) Virus Infections Among Health-Care Personnel — United States, April-May 2009

Soon after identification of novel influenza A (H1N1) virus infections in the United States in mid-April 2009, CDC provided interim recommendations to reduce the risk for transmission in health-care settings. These included recommendations on use of personal protective equipment (PPE), management of health-care personnel (HCP) after unprotected exposures, and instruction of ill HCP not to report to work (1). To better understand the risk for acquiring infection with the virus among HCP and the impact of infection-control recommendations, CDC solicited reports of infected HCP from state health departments. As of May 13, CDC had received 48 reports of confirmed or probable infections with novel influenza A (H1N1) virus* (2); of these, 26 reports included detailed case reports with information regarding risk factors that might have led to infection. Of the 26 cases, 13 (50%) HCP were deemed to have acquired infection in a health-care setting, including one instance of probable HCP to HCP transmission and 12 instances of probable or possible patient to HCP transmission. Eleven HCP had probable or possible acquisition in the community, and two had no reported exposures in either health-care or community settings. Among 11 HCP with probable or possible patient to HCP acquisition and available information on PPE use, only three reported always using either a surgical mask or an N95 respirator. These findings suggest that transmission of novel influenza A (H1N1) virus to HCP is occurring in both health-care and community settings and that additional messages aimed at reinforcing current infection-control recommendations are needed.

After identifying the first two cases of novel influenza A (H1N1) infection in the United States on April 15, 2009, CDC requested that all state and local health departments implement enhanced surveillance for unsubtypable influenza A viruses (3). On May 4, CDC began distributing a data collection instrument to health departments to gather additional information on infected HCP. The instrument included questions on job type, facility type, contact with patients with novel influenza A (H1N1) infections or respiratory illness (i.e., pneumonia, upper respiratory tract infections, or influenza-like illness), and

^{*}A confirmed case of novel influenza A (H1N1) virus infection was defined in a person with an influenza-like illness and laboratory-confirmed novel influenza A (H1N1) virus infection by real-time reverse transcription–polymerase chain reaction (rRT-PCR) or viral culture. A probable case was defined in a person with an influenza-like illness who was positive for influenza A, but negative for human H1 and H3 by influenza rRT-PCR.

use of PPE (i.e., gloves, gowns, surgical masks, N95 respirators, or eye protection [goggles or face shield]). For this analysis, HCP were defined as employees, students, contractors, clinicians, or volunteers whose activities involved contact with patients in a health-care or laboratory setting. Only HCP with confirmed or probable novel influenza A (H1N1) infections were included in the analysis.

Reports on HCP cases were reviewed by infection-control staff members at CDC. Cases were categorized, using criteria developed for this investigation, as having potential acquisition in the community or in a health-care setting.† The criteria used to determine the most likely source of acquisition were based on exposures indicated on the data collection instrument during the 7 days preceding symptom onset. PPE use was used to assign a level of certainty (probable or possible) to patient to HCP transmission, but PPE use was not used to distinguish between acquisition in community or health-care settings.

CDC received 48 reports of confirmed or probable novel influenza A (H1N1) infection among HCP from 18 states. Detailed information on health-care exposures was obtained for 26 cases (18 confirmed and eight probable) reported from 11 states (Table 1). Dates of illness onset ranged from April 23 to May 4. Job type was available for 25 HCP: five registered nurses (20%), four nursing assistants (16%), four physicians (16%), and 12 persons in 10 other occupations. Two (8%) of these infected HCP were hospitalized, one of whom reported having underlying medical conditions. Neither hospitalized HCP was admitted to an intensive-care unit; no HCP died. Among the 16 HCP for whom such information was available, eight had been vaccinated for seasonal influenza since September 2008.

Among the 26 infected HCP, 12 (46%) reported caring for a patient with either novel influenza A (H1N1) infection (six) or respiratory illness (six) (Table 2). Six HCP (23%) reported

TABLE 1. Number and percentage of health-care personnel (N = 26) with confirmed or probable novel influenza A (H1N1) infection,* by selected characteristics — United States, April—May 2009

Characteristic	No.	(%) [†]
Case status		
Confirmed	18	(69)
Probable	8	(31)
Sex (n = 23)		
Male	4	(17)
Female	19	(83)
Age group (yrs) (n = 20)		
20–29	8	(40)
30–39	7	(35)
40–49	3	(15)
≥50	2	(10)
Race/Ethnicity (n = 22)		
White, non-Hispanic	12	(55)
Hispanic	5	(23)
Black, non-Hispanic	2	(9)
Asian/Pacific Islander	2	(9)
Other	1	(5)
Job type (n = 25)		
Registered nurse	5	(20)
Nursing assistant	4	(16)
Physician	4	(16)
Licensed practical nurse	2	(8)
Medical assistant	2	(8)
Physician's assistant	1	(4)
Nurse anesthetist	1	(4)
Orthodontic clincial assistant	1	(4)
Pharmacy technician	1	(4)
Physical therapist	1	(4)
Ward clerk	1	(4)
Student	1	(4)
Receptionist	1	(4)
Facility type§ (n = 25)		
Outpatient	10	(40)
Inpatient, acute care	8	(32)
Long-term care facility/Long-term	2	(8)
acute-care facility	0	(0)
Emergency department	2 3	(8)
None	3	(12)

^{*} A confirmed case of novel influenza A (H1N1) virus infection was defined in a person with an influenza-like illness and laboratory-confirmed novel influenza A (H1N1) virus infection by real-time reverse transcription—polymerase chain reaction (rRT-PCR) or viral culture. A probable case was defined in a person with an influenza-like illness who was positive for influenza A, but negative for human H1 and H3 by influenza rRT-PCR.

[†] All exposures occurred ≤7 days before symptom onset. *Health-care settings*: Probable patient to HCP transmission was defined as exposure to a patient with known novel influenza A (H1N1) virus infection without using a surgical mask or N95 respirator. Possible patient to HCP transmission was defined as exposure to a patient with known novel H1N1 virus infection while using a surgical mask or N95 respirator or exposure to a patient with respiratory illness (i.e., pneumonia, upper respiratory tract infections, or influenza-like illness) regardless of the use of respiratory PPE. Probable HCP to HCP transmission was defined as contact with a coworker with confirmed or probable novel H1N1 virus infection or contact with a coworker with respiratory illness who traveled to Mexico. Community settings: Probable community transmission was defined as exposure to a person with confirmed or probable novel H1N1 virus infection outside of a health-care setting, or travel to Mexico, or having no contact with a health-care setting. Possible community transmission was defined as contact with a person with respiratory illness outside of a health-care setting with no other reported exposures.

[§] Licensed practical nurse and medical assistant (two each); physician's assistant, nurse anesthetist, orthodontic clinical assistant, pharmacy technician, physical therapist, ward clerk, student, and receptionist (one each).

[†] Percentages in groupings might not add to 100% because of rounding.

[§] Facility in which health-care personnel worked during the week preceding symptom onset.

TABLE 2. Reported exposures and personal protective equipment (PPE) use among health-care personnel (HCP) (N = 26) with confirmed or probable novel influenza A (H1N1) infection — United States, April–May 2009

Characteristic	No.	(%)*
Reported exposures [†]		
Cared for a patient with H1N1 infection	6	(23)
Cared for a patient with respiratory illness (H1N1	6	(23)
status unknown)		
Travel to Mexico	4	(15)
Close/family contact with H1N1 infection	3	(12)
Close/family contact with respiratory illness	3	(12)
No contact with a health-care setting	3	(12)
Coworker with respiratory illness and recent	1	(4)
travel to Mexico		
Postulated exposure source§		
Probable community transmission	10	(38)
Probable transmission from patient to HCP	5	(19)
Possible transmission from patient to HCP	7	(27)
Probable transmission from HCP to HCP	1	(4)
Possible community transmission	1	(4)
Unknown source	2	(8)
PPE use among HCP (n = 12) with probable or possible patient to HCP transmission Surgical mask (n = 10)		
Always	2	
Sometimes	3	
Never	5	
N95 respirator (n = 11)		
Always ¹	1 2	
Sometimes**	_	
Never	8	
N95 respirator or surgical mask (n = 11)	3	
Always Sometimes	3 4	
Never	4	
	4	
Gloves (n = 11)	5	
•		
	=	
	3	
, ,	0	
•		
	,	
	0	
•		
Always Sometimes Never Gown (n = 10) Always Sometimes Never Eye protection (n = 10) Always Sometimes Never Never	5 1 5 0 3 7 0 1 9	

* Percentages in groupings might not add to 100% because of rounding.

[†] During the week preceding symptom onset. Two HCP had more than one type of exposure, and two HCP had no reported exposures.

having a close contact or family member with either respiratory illness (three) or novel H1N1 infection (three); four (15%) reported recent travel to Mexico. By using the criteria for assessment of infection acquisition, 13 HCP (50%) were deemed to have been infected in a health-care setting, including five instances of probable patient to HCP transmission, seven of possible patient to HCP transmission, and one of probable HCP to HCP transmission. Community transmission was deemed most likely for 11 HCP (42%); two HCP (8%) had no reported exposures in either health-care or community settings.

Of the 12 HCP with probable or possible patient to HCP acquisition, 11 reported information on their use of PPE when caring for the presumed source patient. Only three reported always using either a surgical mask (two) or an N95 respirator (one) (Table 2). Five reported always using gloves. None reported always using eye protection. None reported always using gloves, gown, and either surgical mask or N95 respirator.

Among the three HCP who reported always using either a surgical mask or N95 respirator, a physician with possible patient to HCP acquisition reported always using an N95 respirator when with the presumed source patient. However, the physician also reported never having had a fit test for the respirator, and information was not available on whether the physician used a gown or eye protection (Table 3). A nurse anesthetist with possible patient to HCP transmission reported always using gloves and a surgical mask with the presumed source patient, but sometimes using a gown, N95 respirator, and eye protection. In addition, a registered nurse with possible patient to HCP transmission (who was caring for a novel H1N1 patient on droplet precautions) reported always using a surgical mask and gloves with the presumed source patient but never using a gown, N95 respirator, or eye protection.

Reported by: K Harriman, PhD, J Rosenberg, MD, California Dept of Public Health. S Robinson, MPH, B Bernier, MSc, Maine Dept Health and Human Svcs. Swine Flu Investigation Team, New York City Dept of Health and Mental Hygiene, New York. R Bentz, Bucks County Health Dept; K Waller, MD, A Weltman, MD, M Jansen, Pennsylvania Dept of Health. L Halverson, MS, Aurora St. Luke's Medical Center, Milwaukee; G Borlaug, MPH, Wisconsin Div of Public Health. Novel H1N1 Infection in Health-Care Personnel Investigation Team; L Finelli, DrPH, S Lindstrom, PhD, A Klimov, PhD, DL Swerdlow, MD, National Center for Immunization and Respiratory Diseases; SJ Olsen, PhD, National Center for Preparedness, Detection, and Control of Infectious Diseases; ME Wise, PhD, J Jaeger, MD, MK Patel, MD, R Palekar, MD, D Sugerman, MD, N Dharan, MD, EIS officers, CDC.

[§] All exposures occurred ≤7 days before symptom onset. Health-care settings: Probable patient to HCP transmission was defined as exposure to a patient with known novel influenza A (H1N1) virus infection without using a surgical mask or N95 respirator. Possible patient to HCP transmission was defined as exposure to a patient with known novel H1N1 virus infection while using a surgical mask or N95 respirator or exposure to a patient with respiratory illness (i.e., pneumonia, upper respiratory tract infections, or influenza-like illness) regardless of the use of respiratory PPE. Probable HCP to HCP transmission was defined as contact with a coworker with confirmed or probable novel H1N1 virus infection or contact with a coworker with respiratory illness who traveled to Mexico. Community settings: Probable community transmission was defined as exposure to a person with confirmed or probable novel H1N1 virus infection outside of a health-care setting, or travel to Mexico, or having no contact with a person with respiratory illness outside of a health-care setting with no other reported exposures.

[¶] Not fit-tested

^{**} Fit-tested

One HCP had both 1) exposure to a patient with known novel influenza A (H1N1) infection while using only gloves for PPE (probable patient to HCP transmission) and 2) exposure to a community contact with respiratory illness (possible community transmission). For this HCP, the route of transmission was categorized as probable patient to HCP transmission.

TABLE 3. Use of personal protective equipment (PPE)* among health-care personnel (HCP) (n = 12) with probable or possible patient to HCP transmission of novel influenza A (H1N1) infection, by job type and facility type — United States, April–May 2009

Job type	Transmission type [†]	Facility type	Gloves	Gown	Surgical mask	N95 respirator	Eye protection
Nursing assistant	Probable patient to HCP	Inpatient, acute care	Never	Never	Never	Never	Never
Medical assistant	Probable patient to HCP	Outpatient	Never	Never	Sometimes	Never	Never
Licensed practical nurse	Probable patient to HCP	Outpatient	Never	Never	Never	Never	Never
Physician's assistant	Probable patient to HCP	Outpatient	Always	Never	Never	Never	Never
Registered nurse	Probable patient to HCP	Outpatient	Never	Never	Sometimes	Never	Never
Nursing assistant	Possible patient to HCP	Inpatient, acute care	Always	Sometimes	Never	Sometimes	Never
Physician	Possible patient to HCP	Outpatient	Always	§	_	Always	_
Licensed practical nurse	Possible patient to HCP	Inpatient, long-term care	Sometimes	Sometimes	Sometimes	Never	Never
Nurse anesthetist	Possible patient to HCP	Inpatient, acute care	Always	Sometimes	Always	Sometimes	Sometimes
Registered nurse	Possible patient to HCP	Inpatient, acute care	Always	Never	Always	Never	Never
Medical assistant	Possible patient to HCP	Outpatient	Never	Never	Never	Never	Never
Physician	Possible patient to HCP	Inpatient, acute care			_	_	

^{*} When with presumed source patient.

Editorial Note: Routine infection-control recommendations to decrease the risk for transmission of seasonal influenza to HCP include vaccination, isolation of infected patients in single rooms, and use of standard precautions and droplet precautions (4,5). For infections with the novel influenza A (H1N1) virus, because of the lack of a vaccine and little initial information regarding the severity and transmissibility of the virus, CDC's interim infection-control recommendations for the care of patients with such infections have included the use of fit-tested N95 respirators, eye protection, and contact precautions in addition to routine infection-control practices applied to seasonal influenza (1). In addition, CDC has recommended that aerosol-generating procedures (e.g., bronchoscopy) should be performed in an airborne infection-isolation room with negative pressure air handling. In this analysis, among the 11 HCP infected because of probable or possible patient to HCP transmission for whom information was available, none adhered to these recommended practices completely.

Although no data are available on why recommended practices often were not followed in these situations, similar nonadherence with recommended PPE by HCP caring for patients with febrile respiratory infections has been documented previously for influenza and other respiratory infections (6–8). Barriers to adherence can include 1) a belief that these practices are not necessary, inconvenient, or disruptive; 2) lack of availability of PPE; 3) inadequate training in infection control; 4) failure to establish effective, systematic approaches to HCP safety; and 5) failure to recognize patients and activities that warrant specific infection-control practices. In addition, some of the suboptimal practices described in this report might have occurred before CDC's interim recommendations were first issued on April 25.

Most of the probable or possible patient to HCP transmissions in this report occurred in situations where the use of PPE was not in accordance with CDC recommendations. Among the three HCP who reported always using either a surgical mask or an N95 respirator while caring for a patient with either confirmed novel H1N1 infection or respiratory illness, one had not been fit-tested for the respirator, and none used all of the PPE recommended by CDC for infection control. Even so, these findings cannot definitively establish that patient to HCP transmission was related to nonuse of certain PPE, nor can the findings be used to determine the effectiveness of PPE in protecting HCP from infection with the novel influenza A (H1N1) virus.

Initial evidence suggests that HCP are not overrepresented among reported cases of persons infected with novel influenza A (H1N1) virus in the United States. Among confirmed and probable cases in adults aged 18–64 years and reported to CDC as of May 13, approximately 4% have occurred in HCP; approximately 9% of working adults in the United States are employed in health-care settings (9,10). However, this comparison is subject to several limitations, including that case reports are not geographically homogeneous, and substantial underreporting is likely. As data on additional novel influenza A (H1N1) cases are collected, the risk for infection among HCP might be better elucidated.

Whatever the risk for infection to HCP, much of that risk likely exists in the outpatient setting. As of May 31, only 653 (6%) of 10,053 patients reported with novel influenza A (H1N1) infection had been hospitalized. The findings in this report indicate that six of the 12 HCP with probable or possible patient to HCP acquisition reported working in outpatient

[†] All exposures occurred ≤7 days before symptom onset. Probable patient to HCP transmission was defined as exposure to a patient with known novel influenza A (H1N1) virus infection without using a surgical mask or N95 respirator. Possible patient to HCP transmission was defined as exposure to a patient with known novel H1N1 virus infection while using a surgical mask or N95 respirator or exposure to a patient with respiratory illness (i.e., pneumonia, upper respiratory tract infections, or influenza-like illness) regardless of the use of respiratory PPE.

§ Information not available.

settings during the week preceding symptom onset. Many interactions between HCP and infected patients likely occur in ambulatory-care settings and highlight the need for outpatient staff members to follow infection-control recommendations.

The findings in this report are subject to at least four limitations. First, the total number of infected HCP likely is underreported. Some HCP might not seek care for their symptoms; in addition, some states might not systematically collect data that allow them to identify HCP among persons with novel H1N1 infection. Second, detailed risk factor information was available for only 26 (54%) of the 48 reported cases, some information was missing, and data were not collected on a number of infection-control practices, including hand hygiene. Third, information collected on health-care and community exposures might have been subject to recall bias, and HCP might have had unrecognized exposures in either setting, which might have resulted in errors in identifying the source of acquisition. Finally, conclusions in this report were limited by the small number of HCP cases available for analysis.

These results highlight the need to maintain adherence to comprehensive infection-control strategies to prevent transmission of novel H1N1 in health-care settings. These strategies should include administrative controls (e.g., visitor policies and triage of potentially infectious patients), provision of infection-control resources, training in infection-control practices and correct use of PPE, identification of all ill HCP, and exclusion of ill HCP from work.

Acknowledgments

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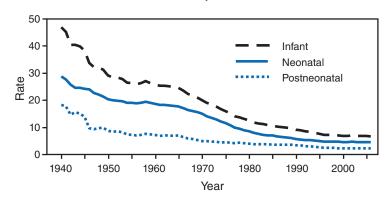
Erratum: Vol. 58, No. 22

In the report, "Outbreak of Cryptosporidiosis Associated with a Splash Park — Idaho, 2007," the reference list on page 618 is incomplete. The full list should include the following reference: 10. CDC. Surveillance for waterborne-disease outbreaks associated with recreational water—United States, 2001–2002. MMWR 2004;53(No. SS-8).

QuickStats

FROM THE NATIONAL CENTER FOR HEALTH STATISTICS

Infant, Neonatal, and Postneonatal Mortality Rates* — United States, 1940–2006



* Deaths per 1,000 live births for each group: infant (aged <1 year), neonatal (aged <28 days), and postneonatal (aged 28 days to <1 year).

In the United States, the infant mortality rate decreased 86%, from 47.0 infant deaths per 1,000 live births in 1940 to 6.7 in 2006. During the same period, the neonatal rate decreased 85%, from 28.8 to 4.5 deaths per 1,000 live births, and the postneonatal rate decreased 88%, from 18.3 to 2.2 deaths per 1,000 live births.

SOURCE: Heron MP, Hoyert DL, Murphy SL, Xu JQ, Kochanek KD, Tejada-Vera B. Deaths: final data for 2006. Natl Vital Stat Rep 2009;57(14). Available at http://www.cdc.gov/nchs/data/nvsr/nvsr57_14.pdf.

TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending June 13, 2009 (23rd week)*

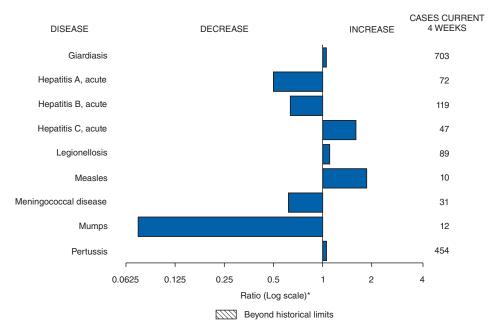
	Current	Cum	5-year weekly			ases re evious	eported years	l 	States reporting cases
Disease	week	2009	average†	2008	2007	2006	2005	2004	during current week (No.)
Anthrax	_	_	_	_	1	1	_	_	
Botulism:									
foodborne	_	8	0	17	32	20	19	16	
infant	_	24	2	109	85	97	85	87	
other (wound and unspecified)	_	12	1	19	27	48	31	30	
Brucellosis		34	2	80	131	121	120	114	*** (4)
Chancroid	1	19	0	25	23	33	17	30	MA (1)
Cholera	_	2	0	3	7	9	8	6	EL (4)
Cyclosporiasis [§]	1	36	12	139	93	137	543	160	FL (1)
Diphtheria Domestic arboviral diseases ^{§,¶} :	_	_	_	_	_	_	_	_	
California serogroup	_	_	1	62	55	67	80	112	
eastern equine	_	_	0	4	4	8	21	6	
Powassan	_	_	0	2	7	1	1	1	
St. Louis	_	_	Ö	13	9	10	13	12	
western equine	_	_	_	_	_	_	_	_	
Ehrlichiosis/Anaplasmosis§,**:									
Ehrlichia chaffeensis	9	111	16	1,136	828	578	506	338	MO (2), SC (1), GA (1), TN (5)
Ehrlichia ewingii	_	_	0	9	_	_	_	_	
Anaplasma phagocytophilum	4	45	19	1,025	834	646	786	537	ME (2), NY (2)
undetermined	2	23	8	180	337	231	112	59	MO (2)
Haemophilus influenzae,††									
invasive disease (age <5 yrs):									
serotype b	1	13	0	30	22	29	9	19	AZ (1)
nonserotype b	1	89	3	245	199	175	135	135	FL (1)
unknown serotype	1	95	4	163	180	179	217	177	OH (1)
lansen disease§	4	28	2	80	101	66	87	105	FL (1), CA (3)
Hantavirus pulmonary syndrome§	_	3	1	18	32	40	26	24	FL (4) TN (4) OA (4)
Hemolytic uremic syndrome, postdiarrheal§	3	60	5	330	292	288	221	200	FL (1), TN (1), CA (1)
Hepatitis C viral, acute	18	370	16	878	845	766	652	720	NY (2), PA (2), MI (2), IA (8), DE (1), KY (1), WA (1), CA (1)
HIV infection, pediatric (age <13 years)§§	_	_	3	_	_	_	380	436	W/(1), O/(1)
nfluenza-associated pediatric mortality [§] ,¶¶	1	72	1	85	77	43	45	_	AZ (1)
isteriosis	5	208	13	759	808	884	896	753	NY (2), GA (1), FL (1), CA (1)
Measles***	_	25	3	140	43	55	66	37	
Meningococcal disease, invasive†††:									
A, C, Y, and W-135	1	130	6	329	325	318	297	_	TX (1)
serogroup B	_	66	4	188	167	193	156	_	
other serogroup	_	10	. 1	38	35	32	27	_	
unknown serogroup	3	232	14	616	550	651	765	_	OH (1), NE (1), FL (1)
Aumps	5	165	35	454		6,584	314	258	NYC (2), OH (1), FL (1), CA (1)
Novel influenza A virus infections §§§	_	17,855	_	2	4	N 17	N	N	
Plague Poliomyolitis, paralytic	_	_	0	1	7	17	8 1	3	
Poliomyelitis, paralytic Polio virus infection, nonparalytic§	_	_	_	_	_	N	I N	N	
Psittacosis§	_	6	0	8	12	21	16	12	
Q fever total [§] ,¶¶¶:	1	28	4	124	171	169	136	70	
acute	1	26	2	110	- 171	109	- 130	70	WA (1)
chronic		2	0	14	_	_	_	_	
Rabies, human	_	_	0	1	1	3	2	7	
Rubella****	_	1	0	16	12	11	11	10	
Rubella, congenital syndrome	_	1	_	_	_	1	1	_	
SARS-CoV [§] ,††††	_	_	_	_	_	_	_	_	
Smallpox§	_	_	_	_	_	_	_	_	
Streptococcal toxic-shock syndrome§	1	74	2	157	132	125	129	132	NY (1)
Syphilis, congenital (age <1 yr)	_	69	8	393	430	349	329	353	
etanus	1	4	1	19	28	41	27	34	OH (1)
oxic-shock syndrome (staphylococcal)§	2	37	2	71	92	101	90	95	MN (1), MO (1)
richinellosis	_	9	0	39	5	15	16	5	
ularemia	_	14	5	122	137	95	154	134	
Typhoid fever	6	143	6	448	434	353	324	322	PA (1), VA (1), TN (1), TX (1), CO (1), AZ (1)
/ancomycin-intermediate Staphylococcus aureus§		27	0	62	37	6	2		OH (1)
/ancomycin-resistant Staphylococcus aureus§ /ibriosis (noncholera Vibrio species infections)§	_	_	0	_	2	1	3	1	EL (0) M(A (1) OA (1)
(Included Inches	5	93	4	493	549	N	N	N	FL (3), WA (1), CA (1)

See Table I footnotes on next page.

TABLE I. (Continued) Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending June 13, 2009 (23rd week)*

- —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts.
 - * Incidence data for reporting year 2008 and 2009 are provisional, whereas data for 2004, 2005, 2006, and 2007 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 starting 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.
- 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. ewingil*).
- †† 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.
- III Updated weekly from reports to the Influenza Division, National Center for Immunization and Respiratory Diseases. Seventy-one influenza-associated pediatric deaths occurring during the 2008-09 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.
- These cases were obtained from state and territorial health departments in response to novel Influenza A (H1N1) infections and include cases in addition to those reported to the National Notifiable Diseases Surveillance System (NNDSS). Because of the volume of cases and the method by which they are being collected, a 5-year weekly average for this disease is not calculated.
- 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.
- ttt Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases.

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals June 13, 2009, 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

Deborah A. Adams Rosaline Dhara
Willie J. Anderson Michael S. Wodajo
Lenee Blanton Pearl C. Sharp

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending June 13, 2009, and June 7, 2008

		-	Chlamydi	ia [†]			Cocc	idiodomy	/cosis			Cry	otosporidi	osis	
		Prev					Prev						ious		
	Current	52 w		Cum	Cum	Current	52 w		Cum	Cum	Current		veek	Cum	Cum
Reporting area	week	Med	Max	2009	2008	week	Med	Max	2009	2008	week	Med	Max	2009	2008
United States New England	11,677 659	22,806 772	25,700 1,655	466,461 17,377	514,470 15,501	147	134 0	347 1	3,489 1	2,925 1	58	109 5	482 23	1,898 104	1,837 148
Connecticut	281	233	1,306	5,195	4,112	N	0	Ó	Ń	Ń		0	13	13	41
Maine§	45	48	72	1,128	1,100	N	0	0	N	N	_	1	6	13	10
Massachusetts New Hampshire	286 4	326 32	949 63	8,422 571	7,584 900	N —	0 0	0 1	N 1	N 1	_	2 1	13 4	35 17	43 28
Rhode Island§	26	55	244	1,543	1,293		0	Ö	_	_	_	0	3	2	3
Vermont§	17	21	53	518	512	N	0	0	N	N	_	1	7	24	23
Mid. Atlantic New Jersey	2,921 234	2,852 429	6,734 879	68,546 10.184	65,956 10.090	 N	0	0	N	N	8	13 0	35 4	232 1	216 16
New York (Upstate)	532	571	4,563	13,064	11,816	N	0	Ö	N	N	4	4	17	59	60
New York City Pennsylvania	1,663 492	1,077 794	3,130 1,072	27,110 18,188	25,484 18,566	N N	0 0	0 0	N N	N N	4	1 7	8 15	29 143	41 99
E.N. Central	1,414	3,416	4,382	69,790	86,483	_	0	3	16	26	15	23	126	431	458
Illinois	562	1,102	1,356	21,673	25,646	N	0	0	N	N	_	2	13	38	44
Indiana Michigan	340 484	398 833	713 1.321	10,106 20.081	9,721 21.015	N —	0 0	0 3	N 7	N 19		3 5	17 13	59 88	62 87
Ohio	28	776	1,300	10,957	20,478	_	0	2	9	7	13	8	59	150	100
Wisconsin	_	378	494	6,973	9,623	N	0	0	N	N	_	8	46	96	165
W.N. Central lowa	740 123	1,321 192	1,547 257	28,542 4,277	29,255 3,828	N	0	1 0	2 N	N	4 1	17 4	68 30	286 64	268 54
Kansas	127	186	401	4,104	3,965	N	0	Ö	N	N		1	8	30	22
Minnesota	334	264 497	316 585	4,934	6,497 10.746	_	0 0	0	_	_	_ 1	4 3	14 13	67 53	69 61
Missouri Nebraska§	97	497 97	254	11,552 2,018	2,189	N	0	0	N	N	2	2	8	29	39
North Dakota	_	26	60	324	813	N	0	0	N	N	_	0	10	1	1
South Dakota	59	56	85	1,333	1,217	N	0	0	N	N	_	2	9	42	22
S. Atlantic Delaware	1,886 52	4,475 74	5,730 180	80,220 2,117	99,827 1,550	_	0	1	4 1	2	21 —	21 0	49 1	380 1	322 6
District of Columbia	141	127	228	3,124	3,043		0	0	_		_	0	2	_	7
Florida Georgia	523 3	1,386 744	1,596 1,909	31,560 9.790	31,993 17,707	N N	0 0	0	N N	N N	7 12	8 6	35 13	121 156	140 100
Maryland [§]	425	441	772	9,498	10,170	_	0	Ĭ	3	2	_	1	5	15	10
North Carolina South Carolina§	_	721 544	1,814 887	9,122	9,084 11,383	N N	0 0	0	N N	N N		1	16 6	45 18	11 14
Virginia [§]	720	609	903	13,352	13,457	N	0	Ö	N	N	_	i	4	19	25
West Virginia	22	68	101	1,657	1,440	N	0	0	N	N	_	0	3	5	9
E.S. Central Alabama§	1,145	1,695 475	2,166 600	38,686 9.862	35,883 11.109	 N	0	0	N	N	1	3 1	9 6	59 17	49 19
Kentucky	200	238	380	4,586	4,866	N	0	Ö	N	N	_	1	4	16	10
Mississippi Tennessee§	410 535	454 564	841 796	10,918 13,320	7,899 12,009	N N	0 0	0	N N	N N	_ 1	0 1	2 5	4 22	5 15
W.S. Central	476	2,856	3,987	55,796	65,390	_	0	1	_	2	1	8	271	65	82
Arkansas§	191	284	417	6,482	6,201	N	0	Ö	N	N	<u>.</u>	1	10	12	16
Louisiana Oklahoma	222 63	428 185	1,114 1,753	7,947 2.658	8,784 5.718	 N	0	1 0	N	2 N	_ 1	1 2	5 16	6 33	14 16
Texas	_	1,945	2,511	38,709	44,687	Ň	0	Ö	N	N		3	258	14	36
Mountain	672	1,358	2,145	26,873	32,369	115	93	244	2,481	1,992	4	8	38	125	143
Arizona Colorado	125 367	449 331	627 1,110	6,683 8,208	10,799 7,919	114 N	91 0	244 0	2,446 N	1,939 N	1 3	1 2	10 12	13 39	16 30
Idaho§	1	69	314	1,580	1,541	N	Ŏ	Ö	N	N	_	1	5	17	27
Montana [§] Nevada [§]	24 15	59 175	90 365	1,337 4,103	1,355 4,436	N 1	0 1	0 3	N 28	N 27	_	0	4 4	14 6	18 5
New Mexico§	123	159	540	2,846	2,997		Ó	2	2	17	_	2	23	25	29
Utah Wyoming§	17	85	251	1,175	2,693	_	0	1 1	5	8	_	0	6	1	10
Pacific	17 1,764	33 3,660	97 4,607	941 80,631	629 83,806	32	38	172	— 985	1 902	4	0 9	2 40	10 216	8 151
Alaska	89	90	199	2,049	2,071	N	0	0	N	N	_	0	1	2	1
California	1,155	2,867	3,584	63,685	65,164	32 N	38 0	172 0	985 N	902	3	6	14	117	85
Hawaii Oregon [§]	256	114 197	247 631	2,442 4,183	2,556 4,560	N N	0	0	N N	N N	_	0 1	1 38	1 68	1 31
Washington	264	403	557	8,272	9,455	N	Ō	Ō	N	N	1	2	7	28	33
American Samoa C.N.M.I.	_	0	8	_	62	N	0	0	N	N	N	0	0	N	N
Guam	_	3	9	_	86	_	0	0	_	_	_	0	0	_	=
Puerto Rico	124	133	269	3,280	3,052	Ν	0	Ö	N	Ν	N	0	0	N	N
U.S. Virgin Islands	_	9	22	156	302		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 year 2008 and 2009 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*.

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 13, 2009, and June 7, 2008 (23rd week)*

			Giardiasi	s				Gonorrhe	a		нае		s <i>infl</i> uenz s, all sero		ve
			ious					vious					rious		
Reporting area	Current week	Med	eeks Max	Cum 2009	Cum 2008	Current week	Med	veeks Max	Cum 2009	Cum 2008	Current week	Med Med	eeks Max	Cum 2009	Cum 2008
United States	170	319	641	6,237	6,546	2,587	5,822	7,164	108,304	143,863	24	50	126	1,215	1,422
New England	1	28	64	410	551	72	98	301	2,108	2,155	_	3	18	78	74
Connecticut Maine [§]	<u> </u>	5 4	14 12	76 78	131 46	37 4	49 2	275 9	960 62	901 43	_	0	12 2	24 12	13 8
Massachusetts		11	27	150	237	26	38	112	877	988	_	1	5	32	40
New Hampshire Rhode Island [§]	_	2 1	10 8	36 21	50 34	3 2	1 5	6 16	48 138	55 151	_	0	2 7	5 2	5 2
Vermont [§]	_	3	15	49	53	_	1	4	23	17	_	ő	1	3	6
Mid. Atlantic New Jersey	40	60 8	116 21	1,153 85	1,291 208	530 63	603 94	1,138 144	13,280 2,056	14,204 2,339	7	11 1	25 7	255 25	252 40
New York (Upstate)	35	23	81	481	417	83	115	664	2,321	2,641	2	3	20	61	70
New York City	3 2	15 17	30 46	306 281	376 290	308 76	208 189	577 267	4,962 3,941	4,348	2 3	2 4	11 10	62 107	44 98
Pennsylvania E.N. Central	13	46	90	870	1,012	468	1,122	1,627	21,041	4,876 30,718	2	7	27	147	232
Illinois	_	10	32	148	272	180	370	499	6,463	8,660	_	2	9	54	72
Indiana Michigan	N 1	0 12	11 22	N 239	N 222	109 179	154 293	256 493	3,327 6,412	3,949 7,731	_	1 0	22 3	24 12	41 14
Ohio	12	16	31	332	341	_	245	482	2,993	7,537	2	1	6	50	74
Wisconsin	_	10	19	151	177	_	101	149	1,846	2,841	_	1	5	7	31
W.N. Central lowa	21 10	26 6	143 18	581 115	652 109	161 16	303 32	393 53	6,075 695	7,282 663	3	3 0	15 0	72 —	100 2
Kansas	1	3	11	51	47	26	41	83	943	955	_	0	2	9	13
Minnesota Missouri	<u> </u>	0 8	106 22	137 183	191 178	— 86	47 143	78 184	803 2,858	1,446 3,463	3	0 1	10 4	18 31	18 45
Nebraska§	3	3	10	60	87	27	27	50 7	580	597	_	0	2	11	15
North Dakota South Dakota	_	0 2	16 11	4 31	10 30	6	2 8	20	21 175	47 111	_	0 0	4 0	3	7
S. Atlantic	35	66	108	1,545	1,074	523	1,493	2,142	22,358	34,651	5	14	27	360	359
Delaware District of Columbia	_	1 0	3 5	13	18 25	9 56	17 53	35 89	367 1.294	505 1,085	_	0	2 2	3	3
Florida	23	32	57	783	472	189	416	527	9,054	10,798	5	5	10	135	91
Georgia Maryland [§]	9	14 6	67 10	437 95	249 99	2 108	264 122	876 212	3,263 2,468	6,396 2,654	_	2 1	9 6	73 41	75 57
North Carolina	N	0	0	N	N	_	277	647	´ —	4,370	_	1	17	44	37
South Carolina§ Virginia§	3	2 9	8 31	40 159	53 128	 157	169 155	316 308	2,731 2,949	4,194 4,309	_	1	5 6	24 24	33 48
West Virginia	_	1	5	18	30	2	12	26	232	340	_	Ô	3	16	12
E.S. Central Alabama§	2	8 4	22 12	134 58	171 93	365	536 163	771 216	11,093 2,794	12,988 4,425	3	3	6 4	70 19	83 13
Kentucky	Ň	0	0	N	N N	<u></u>	80	153	1,347	1,895	_	0	2	8	6
Mississippi Tennessee§	N 1	0 4	0 13	N 76	N 78	144 169	144 159	253 301	3,334 3,618	2,930 3,738	 3	0 2	1 5	43	11 53
W.S. Central	12	7	22	129	120	142	930	1,307	16,054	22,314	1	2	22	54	68
Arkansas§	4	2	8	48	48	74	86	167	1,933	1,931	_	0	2	8	5
Louisiana Oklahoma	 8	2 3	10 18	37 44	43 29	41 27	151 72	421 437	2,379 1,304	4,054 2,078	_ 1	0 1	1 20	8 38	7 50
Texas§	Ň	Ő	0	N	Ň		585	725	10,438	14,251	<u>.</u>	ò	1	_	6
Mountain	11	27	62	441	515	74	195	374	3,475	5,334	3	4	11	117	171
Arizona Colorado	2 4	3 9	10 27	82 147	48 194	20 23	56 62	82 293	774 1,362	1,587 1,603	2 1	1 1	7 5	47 32	70 30
Idaho [§] Montana [§]	3	3 2	14 9	43 40	57 25	_	3 2	13 6	42 37	71 49	_	0	2 1	2 1	8 1
Nevada [§]		2	8	33	44	3	33	86	752	1,119	_	0	2	10	10
New Mexico§ Utah	_	2 7	8 18	32 47	40 92	27	23 5	52 15	414 63	604 260	_	1 0	3 2	14 11	27 25
Wyoming [§]	_	1	4	17	15	1	2	8	31	41	_	0	2		
Pacific	35	53	130	974	1,160	252	566	755	12,820	14,217	_	2	17	62	83
Alaska California	2 23	2 35	10 59	27 697	29 815	15 202	14 476	24 657	330 10,882	224 11,709	_	0 0	3 3	7 12	10 30
Hawaii	_	0	4	5	14	_	13	19	265	253	_	0	2	13	9
Oregon [§] Washington	 10	7 8	73 74	124 121	193 109	15 20	23 51	48 81	443 900	565 1,466	_	0 0	16 2	27 3	32 2
American Samoa	_	0	0	_	_	_	0	1	_	2	_	0	0	_	_
C.N.M.I.	_	- 0	<u>-</u> 0	_	_	_	_	_	_	_	_	- 0	_	_	_
Guam Puerto Rico	_	3	15	25	64	6	1 4	15 16	97	25 122	_	0	0 1	_	_
U.S. Virgin Islands	_	0	0	_	_	_	2	7	49	57	N	0	0	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: Med: *Incidence data for reporting year 2008 and 2009 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). Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 13, 2009, and June 7, 2008 (23rd week)*

New Facility New	-				Hepat	itis (viral,	acute), by	type†								
Perporting area New Mem Mar See New New Mem Mem				Α					В				Le	gionellosi	s	
Paperting area New New Med Max 2009 2008 New New Med Max 2009 2008 New N																
United States	Reporting area															Cum 2008
Connecticut																846
Maine®							_									40
New Hampshire							_		3 2							8 1
Rhode Islandf		_														14 4
New Allantic 3	Rhode Island§	_	0	2	3	9		0	1	_	3	_	0	14	1	9
New Jork (Upstagle)																4
New York City	New Jersey	_		5	5	30	_		5	19	61	_	1	14	9	207 25
Pennsylvania																55 26
Illinois																101
Indiana		1														171 24
Ohio 1 1 4 24 19 — 2 13 51 47 1 4 18 69 5 W.M. Central — 2 16 52 1157 — 2 16 67 34 1 2 8 24 3 Iowa — 1 5 11 76 — 0 3 10 10 — 0 2 8 24 3 Kansas — 0 12 12 16 — 0 1 2 8 2 — 0 1 2 4 6 — 0 1 2 4 6 — 0 1 1 2 0 1 1 2 0 1 1 2 0 1 1 2 0 1 1 2 0 3 1 1 2 0 3 <th< td=""><td></td><td>_</td><td></td><td>3</td><td>5</td><td>10</td><td>_</td><td>1</td><td>18</td><td>29</td><td>12</td><td>_</td><td>1</td><td>6</td><td>7</td><td>14</td></th<>		_		3	5	10	_	1	18	29	12	_	1	6	7	14
Wisconsin		<u> </u>														46 78
lowa		-	•				_									9
Kansas		_					_									38 8
Missouri	Kansas	_	0	1	5	9		0	2	4	6	_	0	1	2	1
Nebraska		_					_	-								4 15
South Dakota	Nebraska§	_		2		36	_		2	8	2	_		3	3	9
Delaware		_			1		=					_				1
District of Columbia		6					7									169
Georgia 1 1 1 4 26 25 — 3 9 61 75 2 1 5 20 1 Maryland Maryland — 0 4 16 17 — 2 6 39 38 — 2 9 924 2 8 North Carolina — 1 9 20 9 — 0 19 115 47 — 0 7 28 South Carolina — 1 9 20 9 — 0 19 115 47 — 0 7 28 South Carolina — 1 1 6 12 17 1 2 10 33 45 — 1 5 11 2 West Virginia — 0 1 5 17 35 4 8 13 138 162 2 2 5 36 5 Kentucky — 0 2 5 5 5 — 2 7 43 45 — 0 2 5 5 Kentucky — 0 2 2 5 5 5 — 1 3 6 15 1 0 0 2 5 Kentucky — 0 2 2 5 5 2 — 1 3 6 15 1 0 0 0 1 Tennessee — 0 4 4 14 1 2 8 50 56 1 0 4 13 2 W.S. Central 4 4 43 73 116 4 11 98 196 348 1 1 2 2 W.S. Central 4 4 4 3 73 116 4 11 98 196 348 1 1 2 2 Louisiana — 0 2 2 6 — 1 4 16 48 — 0 2 1 Colaisana — 0 6 1 3 3 — 2 17 48 35 1 0 6 6 3 Texas 4 3 37 66 104 4 6 75 118 242 — 1 19 17 1 Mountain 5 3 3 1 62 94 2 3 10 54 82 1 2 8 35 Colorado 2 0 2 10 19 — 0 3 8 12 Mountain 5 3 3 1 28 35 38 — 1 5 25 28 111 105 1 3 9 6 6 1 Mountain 7 4 Nevada§ — 0 1 3 6 2 8 7 Mexico 7 5 18 20 — 0 2 2 4 Mountain 7 6 2 3 4 Mexico 7 7 8 9 46 — 0 2 2 1 Mountain 7 8 8 35 38 — 1 5 5 14 8 2 Mountain 7 9 8 3 Mountain 8 9 61 75 12 Mountain 8 12 0 0 2 1 Mountain 7 9 8 16 19 0 0 2 Mountain 8 25 162 287 6 7 36 149 150 3 3 3 9 69 10 Mountain 8 2 5 162 287 6 7 36 149 150 3 3 3 9 69 10 Mountain 8 2 5 162 287 6 7 36 149 150 3 3 3 9 69 10 Mountain 8 2 5 162 287 6 7 36 149 150 3 3 3 9 69 10 Mountain 8 2 5 162 287 6 7 36 149 150 13 3 9 56 8 8 1 Mexico 8 11 1 105 1 3 9 9 56 8 8 1 Mexico 8 11 1 105 1 3 9 9 56 8 8 1 Mexico 9 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		U					U									4 7
Marylands			4													57 15
South Carolinas	Maryland§			4	16	17	_	2	6	39	38	_	2	9	24	42
Virginias 1 1 6 12 17 1 2 10 33 45 — 1 5 11 2 West Virginia — 0 1 — 3 — 1 6 23 36 — 0 3 — 1 E.S. Central — 0 2 5 17 35 4 8 13 138 162 2 2 5 36 5 Kentucky — 0 2 5 5 — 2 7 439 46 — 0 2 5 5 Mississippi — 0 2 5 2 — 1 3 6 15 1 0 0 1 1 2 W.S. Central 4 4 4 3 7 11 9 8 196 348 1 1 21 23 <t< td=""><td></td><td>_</td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>8 4</td></t<>		_					_									8 4
E.S. Central	Virginia§	1	•	6	12				10		45		1		11	20 12
Alabama§ — 0 2 5 5 — 2 7 43 45 — 0 2 5 Kentucky — 0 2 3 14 3 2 7 39 46 — 1 3 17 2 Mississippi — 0 2 5 2 — 1 3 6 15 1 0 0 1 1 2 1 3 6 15 1 0 0 1 1 1 2 8 50 56 1 0 4 13 13 1 1 2 8 50 56 1 0 4 13 2 2 1 1 1 2 8 50 56 1 0 4 13 2 2 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 3 1 2 2 2 <td< td=""><td>•</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>52</td></td<>	•	_														52
Mississippi Tennessee\$ — 0 2 5 2 — 1 3 6 15 1 0 0 1 Z W.S. Central 4 4 4 4 4 4 4 4 3 73 116 4 11 98 196 348 1 1 21 23 2 Arkansas\$ — 0 1 4 3 73 116 4 11 98 196 348 1 1 21 23 2 Arkansas\$ — 0 1 4 3 — 1 5 14 23 — 0 2 2 Louisiana — 0 6 1 3 — 2 17 48 35 1 0 6 3 Texas\$ 4 3 37 66 104 4 6 75 118 242 <td>Alabama[§]</td> <td>_</td> <td></td> <td>2</td> <td>5</td> <td>5</td> <td>_</td> <td>2</td> <td>7</td> <td>43</td> <td>45</td> <td>_</td> <td>0</td> <td>2</td> <td>5</td> <td>6</td>	Alabama [§]	_		2	5	5	_	2	7	43	45	_	0	2	5	6
W.S. Central 4 4 43 73 116 4 11 98 196 348 1 1 21 23 2 Arkansas§ — 0 1 4 3 — 1 5 14 23 — 0 2 2 2 Louisiana — 0 2 2 2 1 4 16 48 — 0 2 2 1 0 6 3 1 0 6 3 1 0 6 3 1 0 6 3 1 0 6 3 1 0 6 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>25 1</td>		_					_									25 1
Arkansas§ — 0 1 4 3 — 1 5 14 23 — 0 2 2 Louisiana — 0 2 2 2 6 — 1 4 16 48 — 0 2 1 1 2 1 0 6 3 3 1 0 6 3 7 1 4 16 48 35 1 0 6 3 7 1 1 1 0 6 3 7 1 1 1 0 6 3 3 1 2 8 35 3 1 0 2 2 8 35 3 3 1 2 8 35 3 3 1 2 8 35 3 3 1 2 8 35 3 3 1 1 1 1 1 1 1		_														20
Louisiana		4					4									28 4
Texas\$ 4 3 37 66 104 4 6 75 118 242 — 1 19 17 17 Mountain 5 3 31 62 94 2 3 10 54 82 1 2 8 35 38 Arizona 3 1 28 35 38 — 1 5 25 32 1 0 3 19 Colorado 2 0 2 10 19 — 0 3 8 12 — 0 2 1 0 3 19 Colorado 2 0 2 10 19 — 0 3 8 12 — 0 2 1 1 0 2 2 3 — 0 1 — 0 2 4 0 0 1 — 0 2 4 0	Louisiana	_		2		6	_	-	4		48		0	2	1	3
Arizona 3 1 28 35 38 — 1 5 25 32 1 0 3 19 Colorado 2 0 2 10 19 — 0 3 8 12 — 0 2 1 Idaho\(^\delta\) — 0 1 — 13 — 0 2 2 2 3 — 0 1 — Montana\(^\delta\) — 0 1 3 6 3 2 0 3 12 20 — 0 2 4 Nevada\(^\delta\) — 0 1 5 14 — 0 2 4 7 — 0 2 6 New Mexico\(^\delta\) — 0 1 5 14 — 0 2 4 7 — 0 2 6 New Mexico\(^\delta\) — 0 2 3 4 — 0 2 5 1 Wyoming\(^\delta\) — 0 0 2 3 3 4 — 0 1 — 4 — 0 2 5 1 Wyoming\(^\delta\) — 0 0 1 3 5 16 287 6 7 36 149 150 3 3 9 69 10 Alaska — 0 1 3 2 — 0 1 3 5 — 0 1 2 California 1 6 25 124 233 5 5 5 28 111 105 1 3 9 56 8 Hawaii — 0 2 3 5 1 0 1 3 3 — 0 1 1 Oregon\(^\delta\) — 0 4 9 20 — 0 9 16 19 — 0 2		4					4						-			2 19
Colorado 2 0 2 10 19 — 0 3 8 12 — 0 2 1 Idaho§ — 0 1 — 0 1 — 0 1 — Montana§ — 0 1 3 — — 0 1 — — 0 2 4 Nevada§ — 0 3 6 3 2 0 3 12 20 — 0 2 6 New Mexico§ — 0 1 5 14 — 0 2 4 7 — 0 2 — Utah — 0 2 3 4 — 0 2 5 1 Wyoming§ — 0 0 — 3 — 0 1 — 4 — 0 0 — - -																36
Montana§ — 0 1 3 — — 0 1 — — — 0 2 4 New Mexico§ — 0 1 5 14 — 0 2 4 7 — 0 2 — Utah — 0 2 3 4 — 0 2 5 1 Wyoming§ — 0 0 — 3 — 0 1 — 4 — 0 0 — - 0 1 — 4 — 0 0 — - - 0 0 — - 0 1 — 4 — 0 0 — - - 0 0 — - - 0 0 — - 0 1 - 4 — 0 0 - - 0 1 1 <td< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>9 3</td></td<>			-													9 3
Nevada [§] — 0 3 6 3 2 0 3 12 20 — 0 2 6 New Mexico [§] — 0 1 5 14 — 0 2 4 7 — 0 2 — Utah — 0 2 3 4 — 0 3 3 4 — 0 2 5 1 Wyoming§ — 0 0 — 3 — 0 1 — 4 — 0 0 — - Pacific 1 8 25 162 287 6 7 36 149 150 3 3 9 69 10 Alaska — 0 1 3 2 — 0 1 3 5 — 0 1 2 California 1 6 25 124 233 5 5 28 111 105 1 3 9 56 <td>Idaho[§]</td> <td>_</td> <td></td> <td>1</td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>1</td> <td></td> <td>1 3</td>	Idaho [§]	_		1	_							_		1		1 3
Utah — 0 2 3 4 — 0 3 3 4 — 0 2 5 1 Wyoming§ — 0 0 — 3 — 0 1 — 4 — 0 0 — - Pacific 1 8 25 162 287 6 7 36 149 150 3 3 9 69 10 Alaska — 0 1 3 2 — 0 1 3 5 — 0 1 2 California 1 6 25 124 233 5 5 28 111 105 1 3 9 56 8 Hawaii — 0 2 3 5 1 0 1 3 3 — 0 1 1 Oregon§ — 0 4<	Nevada [§]	_	0	3	6	3		0	3	12	20	_	0	2	6	6
Wyoming§ — 0 0 — 3 — 0 1 — 4 — 0 0 — - - Pacific 1 8 25 162 287 6 7 36 149 150 3 3 9 69 10 Alaska — 0 1 3 2 — 0 1 3 5 — 0 1 2 California 1 6 25 124 233 5 5 28 111 105 1 3 9 56 8 Hawaii — 0 2 3 5 1 0 1 3 3 — 0 1 1 Oregon§ — 0 4 9 20 — 0 9 16 19 — 0 2 4		_					_									3 11
Alaska — 0 1 3 2 — 0 1 3 5 — 0 1 2 California 1 6 25 124 233 5 5 28 111 105 1 3 9 56 8 Hawaii — 0 2 3 5 1 0 1 3 3 — 0 1 5 Oregon§ — 0 4 9 20 — 0 9 16 19 — 0 2 4	, ,	_					_							0		_
California 1 6 25 124 233 5 5 28 111 105 1 3 9 56 8 Hawaii — 0 2 3 5 1 0 1 3 3 — 0 1 1 Oregon§ — 0 4 9 20 — 0 9 16 19 — 0 2 4		1					6									105 1
Oregon [§] - 0 4 9 20 - 0 9 16 19 - 0 2 4	California	1	6	25	124	233		5	28	111	105		3		56	81
	Oregon§	_		4	9	20	_		9	16	19	_	0	2	4	4 9
	Washington	_	1	4	23	27	_	1	8	16	18	2	0	3	6	10
C.N.M.I. — — — — — — — — — — — — — — — — — —		_	_	_	_	_	_	_	_		_		_	_		<u>N</u>
Guam — 0 0 — — — 0 0 — — — 0 0 — — — Puerto Rico — 0 2 7 14 — 0 5 2 25 — 0 0 — —		_			_ 7	1/	_								_	_
U.S. Virgin Islands — 0 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 year 2008 and 2009 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 June 13, 2009, and June 7, 2008 (23rd week)*

			yme disea	se				Malaria			Me		cal diseas All groups		/e ¹
			vious veeks	•	•			rious reeks	•	•			rious reeks	•	•
Reporting area	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008
United States	145	511	1,907	3,573	5,851	9	23	46	374	383	4	18	48	438	643
New England	2	101	834	416	2,164	_	1	5	9	19	_	0	4	15	17
Connecticut Maine [§]		24 5	264 73	— 77	938 52	_	0 0	4 1	1 1	3 1	_	0	1 1	1 2	1 3
Massachusetts	_	23	400	117	795	_	0	4	6	10	_	Ö	3	9	12
New Hampshire	_	12	145	161	254	_	0	1 1	_	2	_	0	1	1	1
Rhode Island [§] Vermont [§]	_	0 5	78 41	12 49	101 24	_	0 0	1	1	1 2	_	0	1	1	_
Mid. Atlantic	134	220	1,401	2,067	2,168	3	5	17	86	100	_	2	5	47	69
New Jersey New York (Upstate)	3 84	27 99	231 1,368	397 743	1,059 401	_	0	4 10	— 19	15 13	_	0	1 2	2 11	9 19
New York City		8	54	743	140	_	3	11	51	58	_	0	2	8	11
Pennsylvania	47	51	338	927	568	1	1	3	16	14	_	1	4	26	30
E.N. Central	_	13	205	91	363	1	3	7	44	62	1	3	8	72	107
Illinois Indiana	_	0 0	13 8	3 9	17 2	_	1 0	5 1	15 7	32 3	_	1 0	6 4	17 15	37 15
Michigan	_	1	10	6	_	1	0	2	.7	9	_	0	3	12	14
Ohio Wisconsin	_	0 11	6 187	7 66	7 337	_	1 0	2 3	14 1	14 4	1	0	3 1	22 6	26 15
W.N. Central	_	6	336	48	112	3	1	10	23	20	1	1	9	37	56
Iowa	_	1	9	8	39	_	Ö	3	4	2	<u>.</u>	Ö	1	3	11
Kansas Minnesota	_	0 2	4 326	7 28	4 66	1	0	2 8	2 10	3 6	_	0	2 4	7 8	2 15
Missouri	_	0	1	2	1	1	0	2	5	5	_	0	2	13	17
Nebraska§	_	0	2 10	2	1	1	0	1 0	1	4	1	0	1	4	9
North Dakota South Dakota	_	0	10	1	1	_	0	1	1	_	_	0	3 1		1 1
S. Atlantic	7	65	224	845	947	1	7	16	134	91	1	3	9	88	86
Delaware	_	11	36	213	288	_	0	1	1	1	_	0	1 0	2	_
District of Columbia Florida		0 1	7 6	16	16 12	_	0 1	2 7	36	20	1	0 1	4	32	32
Georgia	1	0	6	16	11	1	1	4	29	26	_	0	2	16	11
Maryland [§] North Carolina	_	29 1	164 6	393 17	456 2	_	2 1	8 7	34 17	27 2	_	0	1 5	4 15	10 3
South Carolina§	-	0	3	11	9	_	0	1	1	3	_	0	1	6	14
Virginia [§] West Virginia	4	14 1	61 17	145 34	119 34	_	1 0	3 1	15 1	11 1	_	0 0	2 2	9 4	13 3
E.S. Central	_	0	5	8	15	_	0	2	12	8	_	0	3	15	35
Alabama§	=	0	1	1	6	_	Ö	1	3	3	=	Ö	1	3	3
Kentucky Mississippi	_	0 0	2 1	1	1	_	0	2 1	5	3	_	0	1	3 1	7 9
Tennessee§	_	Ö	3	6	8	_	Ö	2	4	2	_	Ö	i	8	16
W.S. Central	1	2	21	11	33	_	1	10	11	21	1	1	12	37	68
Arkansas [§] Louisiana	_	0	0 1	_	_	_	0	1 1	_ 1		_	0	2 3	5 9	10 17
Oklahoma	_	0	2	_	_	_	0	2	i	2	_	0	3	2	9
Texas [§]	1	2	21	11	33	_	1	10	9	17	1	1	9	21	32
Mountain Arizona	1	1 0	13 2	13 1	13 2	_	0 0	3 2	4	12 4	_	1 0	4 2	35 7	37 5
Colorado	_	0	1	2	2	_	0	1	i	3	_	0	2	10	7
Idaho§	1	0	2	5	2	_	0	1	1	_	_	0	1	4	4
Montana [§] Nevada [§]	_	0	13 2	1 4	1 2	_	0	0 1	_	4	_	0	2 2	4 3	4 7
New Mexico§	_	0	2	_	3	_	0	1	-	1	_	0	1	3	4
Utah Wyoming [§]	_	0 0	1 1	_	_ 1	_	0 0	1 0	1	_	_	0 0	1 2	1 3	4 2
Pacific	_	3	13	74	36	1	3	10	51	50	_	4	14	92	168
Alaska	_	0	2	1	1	_	0	1	1	2	_	0	2	2	3
California Hawaii	N	2	6 0	66 N	26 N	1	2 0	8 1	38 1	38 2	_	2	8 1	57 3	130 1
Oregon§		0	4	5	9	_	0	4	6	4	_	0	10	21	20
Washington		0	12	2	_	_	0	3	5	4	_	0	6	9	14
American Samoa C.N.M.I.	N	0	0	N	N	_	0	0	_	_	_	0	0	_	_
Guam	_	0	0	_	_	_	0	2	_	1	_	0	0	_	_
Puerto Rico	N	0	0	N	N	_	0	1	1	1	_	0	1	_	2
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 year 2008 and 2009 are provisional.
† Data for meningococcal disease, invasive caused by serogroups A, C, Y, and 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 June 13, 2009, and June 7, 2008 (23rd week)*

			Pertussis					bies, anin	nal		R		ıntain spo	tted fever	
			vious veeks	_	_		Prev 52 w		_				rious reeks		_
Reporting area	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008
United States	145	241	1,697	4,866	3,295	21	71	120	1,412	1,703	13	36	179	395	300
New England	_	18	35	187	386	2	8	15	135	167	_	0	2	4	2
Connecticut Maine [†]	_	0 1	4 7	12 34	29 14	_	3 1	10 5	59 20	80 27	_	0 0	0 2	4	_
Massachusetts	_	12	30	105	304	_	0	0	-		_	0	1	_	1
New Hampshire Rhode Island [†]	_	1 1	5 6	25 5	9 25	2	1 0	7 3	16 14	15 14	_	0	1 2	_	1
Vermont [†]	_	ó	2	6	5	_	1	6	26	31	_	Ö	0	_	
Mid. Atlantic	9	24	64	436	388	7	17	30	275	337	_	1	29	14	39
New Jersey New York (Upstate)	3	4 6	12 41	56 80	71 116	7	0 9	0 20	 157	166	_	0	6 29	1	28 3
New York City	4	0	21	44	41	_	0	2	_	10	_	0	3	10	5
Pennsylvania	2	10	33	256	160	_	7	17	118	161	_	0	2	3	3
E.N. Central Illinois	53 —	43 14	238 45	1,024 234	653 70	2	2 1	28 20	39 6	43 16	_	1 1	15 10	15 7	19 14
Indiana	_	2	158	80	21	_	Ö	6	6	1	_	ó	3	1	1
Michigan Ohio	4 49	8 14	21 57	215	85 441		1 0	9 7	16 11	17 9	_	0	1 4	1 6	2
Wisconsin	49	4	10	461 34	36	N	0	0	N	N N	_	0	0	_	_
W.N. Central	8	31	872	880	273	2	5	17	113	113	2	4	33	55	67
lowa	_ 1	4 2	21 12	57 82	36 26		0 1	5 6	9 44	9 39	_	0 0	2 0	1	3
Kansas Minnesota	4	1	808	165	63		Ó	11	20	18	_	0	0	=	_
Missouri	1	14	51	479	111	1	1	8	17	10	2	4	32	52	61
Nebraska† North Dakota	2	4 0	32 24	85 1	25 1	_	0 0	2 9	4	17 10	_	0	4 1	2	_
South Dakota	_	ŏ	10	11	11	_	ő	4	19	10	_	ŏ	Ö	_	3
S. Atlantic	36	26	71	648	308	1	27	90	634	821	2	16	72	207	82
Delaware District of Columbia	_	0 0	3 2	6	5 1	_	0 0	0	_	_	_	0 0	5 1	3	4 2
Florida	34	7	20	240	75	_	0	74	74	138	_	Ö	3	4	3
Georgia Manuland [†]	_	3 3	9	79	25	_	5	52 16	154	178	_	1	9 7	10	20 15
Maryland [†] North Carolina	_	0	10 65	37 163	44 59	N	6 4	4	130 N	198 N	_	1 9	55	18 137	11
South Carolina†	2	2	10	59	46	_	0	0	_		_	1	9	12	.8
Virginia† West Virginia	_	3 0	24 2	59 5	48 5	_ 1	11 1	24 6	228 48	253 54	2	2 0	15 1	22 1	15 4
E.S. Central	14	11	33	295	104		3	7	59	76	1	4	23	64	48
Alabama†	3	2	19	109	19	_	0	0	_	_	_	1	8	12	12
Kentucky Mississippi	5	4 1	15 5	101 17	16 47	_	1 0	4 2	25	13 2	_	0	0 3	4	1
Tennessee [†]	6	2	14	68	22	_	2	6	34	61	1	3	19	48	32
W.S. Central	5	40	389	743	320	5	0	9	26	48	7	2	161	28	32
Arkansas† Louisiana	_	2 2	38 7	33 34	34 14	5 —	0 0	5 0	21	30	7	0	61 2	13	1
Oklahoma	1	0	45	13	10	_	0	9	4	16	_	0	98	5	20
Texas [†]	4	35	304	663	262	_	0	1	1	2	_	1	6	10	8
Mountain Arizona	9 3	15 2	31 10	345 66	425 121	N	2	9 0	41 N	25 N	1 1	1 0	3 2	7 2	10 4
Colorado	5	4	12	126	65		0	0		_		0	1	_	
Idaho† Montana†	1	1 0	5 4	37 9	20 58	_	0 0	2 4	12	1	_	0	1	3	_ 1
Nevada [†]	_	0	3	6	16	_	0	5	13	1	_	0	2	_	
New Mexico†	_	1	10	30	23	_	0	2	14	16	_	0	1	1	1
Utah Wyoming [†]	_	4 0	19 2	70 1	115 7	_	0 0	6 4	1 13	1 6	_	0	1 2	1	2
Pacific	11	23	98	308	438	2	4	13	90	73	_	0	1	1	1
Alaska	_	3	21	28	36	_	0	2	9	12	N	0	0	Ņ	N
California Hawaii		6 0	24 3	41 13	219 5	2	4 0	12 0	81 —	59 —	 N	0 0	1 0	1 N	N
Oregon [†]	_	3	46	97	70	_	0	2	_	2	_	0	1		1
Washington	11	6	76	129	108	_	0	0	_		_	0	0	_	_
American Samoa C.N.M.I.	_	0	0	_	_	N	0	0	<u>N</u>	N	N	0	0	N	N
Guam	_	0	0	_	_	_	0	0	_	_	N	0	0	N	N
Puerto Rico	_	0	1	1	_	_	1	5	15	27	N	0	0	N	N
U.S. Virgin Islands	_	0	0	_	_	N	0	0	N	N	N	0	0	N	N

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* Incidence data for reporting year 2008 and 2009 are provisional.

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 13, 2009, and June 7, 2008 (23rd week)*

		s	almonello	sis		Shi	ga toxin-pı	oducing	E. coli (ST	EC)†			Shigellosis		
			vious					ious					vious		
Reporting area	Current week	Med Med	weeks Max	Cum 2009	Cum 2008	Current week	Med Med	eeks Max	Cum 2009	Cum 2008	Current week	Med	veeks Max	Cum 2009	Cum 2008
United States	420	940	2,322	13,189	14,039	36	78	255	1,109	1,275	175	432	1,269	6,145	7,252
New England	3	32	189	664	1,002	_	3	27	71	102	_	3	13	60	101
Connecticut Maine [§]	_	0 2	163 8	163 41	491 57	_	0	27 3	27 9	47 3	_	0 0	8 6	8 2	40 2
Massachusetts	_	21	51	263	352	_	1	11	15	31	_	2	9	40	49
New Hampshire Rhode Island [§]	3	3 2	33 9	125 50	51 27	_	1 0	3 1	16	10 7	_	0 0	1 1	1 6	2 7
Vermont§	_	1	7	22	24	_	0	6	4	4	_	0	2	3	1
Mid. Atlantic New Jersey	44 1	84 15	201 55	1,501 118	1,758 420	3	7 1	27 12	85 14	136 52	32	54 19	93 38	1,137 247	877 205
New York (Upstate)	32	29	65	418	400	3	3	12	37	34	10	7	28	88	255
New York City Pennsylvania	2 9	22 29	49 78	390 575	428 510	_	1 0	5 8	28 6	19 31	2 20	10 16	23 38	190 612	371 46
E.N. Central	37	93	194	1,637	1,753	2	12	74	166	160	15	86	132	1,175	1,291
Illinois Indiana		26 7	71 53	425 87	520 146	_	1 1	10 14	29 16	33 12	_	15 3	34 39	228 24	425 346
Michigan	1	18	38	356	325	2	3	43	43	26	2	5	24	108	39
Ohio Wisconsin	36 —	27 14	49 30	561 208	498 264	_	3 3	17 16	42 36	37 52	13	42 9	80 42	642 173	340 141
W.N. Central	32	50	148	1,037	925	7	12	58	167	182	7	14	48	333	402
Iowa Kansas	5 4	8 7	16 29	160 120	163 105	2	3 1	21 7	42 13	44 11	_	3 3	12 10	41 99	71 6
Minnesota	11	12	69	248	246	3	2	21	44	32	2	3	25	31	98
Missouri Nebraska [§]	9 3	13 5	48 41	209 180	247 97	1 1	2 2	11 30	41 24	58 23	4 1	3 0	33 3	151 8	126 —
North Dakota South Dakota	_	0 4	30 22	14 106	17 50	_	0 0	28 4	_ 3	1 13	_	0	9 1	1 2	27 74
S. Atlantic	153	262	457	3,513	3,384	2	14	48	240	235	26	48	85	932	1,506
Delaware	2	2	9	28	52	_	0	2	5	6	2	0	8 2	34	5
District of Columbia Florida	115	100	174	1,597	33 1,501	1	3	10	— 75	65	 14	11	26	201	8 411
Georgia Maryland [§]	26	37 16	96 36	588 226	563 250	_	1 2	8 11	21 28	22 38	9	13 4	30 12	255 119	627 28
North Carolina	_	23	106	517	327	_	2	21	56	20	_	5	27	178	46
South Carolina [§] Virginia [§]	4 5	17 21	57 88	221 272	299 271	_ 1	1 3	3 27	9 38	15 46	_ 1	5 4	28 59	60 80	295 67
West Virginia	1	3	10	64	88	_	0	3	8	20	_	0	3	5	19
E.S. Central Alabama§	11 5	59 16	140 49	792 230	870 244	5 2	5 1	12 3	76 17	97 33	9	27 5	58 12	426 70	945 225
Kentucky	2	10	18	161	141	_	i	7	21	19	1	2	25	113	160
Mississippi Tennessee [§]	1 3	13 14	57 62	180 221	235 250	3	0 2	1 6	6 32	3 42	 8	1 14	6 48	13 230	221 339
W.S. Central	23	138	1,328	869	1,403	1	6	139	48	122	50	94	967	1,161	1,372
Arkansas [§] Louisiana	10	14 12	39 54	173 103	137 273	_	0	5 1	7	22 4	11	10 7	27 26	149 57	150 266
Oklahoma	13	14	102	199	172	_	1	82	6	7	2	4	61	87	43
Texas [§] Mountain	 25	94 57	1,199 110	394 966	821 1,189	1 12	5 10	55 40	35 130	89 158	37 19	64 27	889 54	868 445	913 269
Arizona	9	22	43	368	318	3	1	4	17	23	16	16	35	321	119
Colorado Idaho§	6 5	12 3	20 12	207 65	334 60	2 5	3 2	18 15	59 18	44 32	2	3 0	11 2	40 3	30 5
Montana [§]	_	2	7	49	41	_	0	3	6	17	_	0	5	11	1
Nevada [§] New Mexico [§]	5 —	4 6	14 25	103 83	83 207	2	0 1	3 4	7 15	7 18	<u>1</u>	3 3	13 12	30 37	83 19
Utah Wyoming [§]	_	6 1	19 5	73 18	115 31	_	1 0	9 2	7 1	12 5	_	0 0	3 1	3	9
Pacific	92	120	537	2,210	1,755	4	11	31	126	83	 17	31	82	476	489
Alaska California	1 64	1 87	4 516	24 1,692	18 1,313	_	0	1 15	78	3 48	15	0 26	1 75	2 379	418
Hawaii	—	5	15	103	88	_	0	2	2	3	— —	1	3	8	17
Oregon [§] Washington	 27	7 11	72 85	151 240	144 192	4	1 3	7 16	10 36	10 19	_	1 2	10 13	14 73	25 29
American Samoa	_	0	1	_	1	_	0	0	_	_	_	0	2	3	1
C.N.M.I. Guam	_			_	_ 5	_			_	_	_			_	9
Puerto Rico	_	12	40	76	238	_	0	0	_	_	_	0	4	1	7
U.S. Virgin Islands		0	0				0	0		_		0	0		

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* Incidence data for reporting year 2008 and 2009 are provisional.

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

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 13, 2009, and June 7, 2008 (23rd week)*

	9	Streptococcal	diseases, inv	asive, group A		Streptococc	us pneumonia	ae, invasive di Age <5 years	sease, nondru	g resistant ⁱ
	Current	Prev 52 w		Cum	Cum	Current	Prev 52 w		Cum	Cum
Reporting area	week	Med	Max	2009	2008	week	Med	Max	2009	2008
United States	50	100	240	2,781	3,057	30	33	121	860	966
New England	_	5	29	153	224	1	1	12	23	49
Connecticut Maine [§]	_	0 0	21 3	43 10	54 16	<u>_</u>	0 0	11 1	_ 1	1
Massachusetts	_	2	10	60	118	<u>.</u>	1	2	15	38
New Hampshire	_	0	4	26	16	_	0	1	5	7
Rhode Island§ Vermont§	_	0	8 3	4 10	10 10	_	0	2 1		3
/lid. Atlantic	14	18	38	537	645	10	4	33	129	118
New Jersey	_	1	6	5	115	_	1	4	14	33
New York (Upstate)	12	6	25	202	203	4	2	17	68	51
New York City Pennsylvania		4 6	12 18	115 215	124 203	6 N	0 0	31 2	47 N	34 N
.N. Central	2	18	42	565	611	1	6	18	126	181
Illinois	_	5	12	157	170	<u>.</u>	1	5	14	53
Indiana	_	3	23	93	77	_	0	13	15	20
Michigan Ohio		3 4	10 13	90 152	111 164		1 1	5 6	41 42	49 32
Wisconsin	_	2	10	73	89	<u>.</u>	i	4	14	27
/.N. Central	2	6	37	227	225	3	2	11	68	42
lowa	_	0	0	_	_	_	0	0	_	_
Kansas Minnesota	_	1 0	5 34	32 84	25 101	N 3	0 0	1 7	N 31	N 9
Missouri	1	2	8	61	57	_	1	4	26	20
Nebraska [§]	1	1	3	28	22	_	0	1	3	4
North Dakota South Dakota		0	4 3	7 15	8 12		0 0	3 2	4 4	4 5
. Atlantic	6	22	46	613	597	1	7	16	176	187
Delaware	_	0	1	8	6		ó	0	170 —	—
District of Columbia	_	0	2	_	6	N	0	0	N	N
Florida Georgia	3 3	6 5	12 13	154 143	135 130	1	1 2	6 6	43 47	35 52
Maryland§	_	3	10	86	109	_	1	3	36	37
North Carolina	_	2	12	62	74	N	0	0	N	N
South Carolina [§] Virginia [§]	_	1 3	5 9	37 98	37 77	_	1 0	6 4	27 15	29 29
West Virginia	_	1	4	25	23	_	Ö	2	8	5
.S. Central	_	4	10	111	104	1	1	6	34	52
Alabama§	N	0	0	N	N	N	0	0	N	N
Kentucky Mississippi	N	1 0	5 0	20 N	22 N	<u>N</u>	0	0 2	<u>N</u>	N 7
Tennessee§	_	3	8	91	82	1	1	6	34	45
/.S. Central	11	10	79	253	247	10	6	46	159	144
Arkansas§	_	Ō	2	9	6	_	0	4	16	9
Louisiana Oklahoma	<u> </u>	0 2	2 20	6 89	11 61		0 1	3 7	12 30	7 44
Texas [§]	5	6	59	149	169	8	4	34	101	84
lountain	12	9	22	252	341	1	4	16	128	165
Arizona	2	3	7	77	115	_	2	10	75	73
Colorado Idaho§	10	3 0	8 2	104 3	85 10	_ 1	1 0	4	24 6	39
Montana [§]	N	0	0	Ň	N	Ň	0	0	Ň	N
Nevada [§]	_	0	1	4	6	_	0	1	_	2
New Mexico [§] Utah	_	2 1	7 6	42 21	87 33	_	0	4 4	12 11	25 23
Wyoming§	_	Ó	1	1	5	_	Ö	1	<u></u>	1
acific	3	3	9	70	63	2	0	3	17	28
Alaska	1	0	4	9	15	2	Ō	3	12	17
California Hawaii	N 2	0 3	0 8	N 61	N 48	<u>N</u>	0	0 2	N 5	N 11
oregon§	N	0	0	N	46 N	N	0	0	N N	N
Washington	N	Ö	Õ	N	N	N	Ö	Ö	N	N
merican Samoa	_	0	8	_	22	N	0	0	N	N
.N.M.I. uam	_			_	_	_			_	_
uerto Rico	N	0	0	N	N	N	0	0	N	N
I.S. Virgin Islands		0	0	_		N	0	0	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 year 2008 and 2009 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 June 13, 2009, and June 7, 2008 (23rd week)*

(23rd week)"		S	treptococ	cus pneui	noniae, in	vasive disc	ease, dru	g resistan	 t [†]						
	All ages			Aged <5 years				Syphilis, primary and secondary							
	Previous Current 52 weeks		Cum	Cum	Current		rious reeks	Cum	Cum	Current	Previous 52 weeks		Cum	Cum	
Reporting area	week	Med	Max	2009	2008	week	Med	Max	2009	2008	week	Med	Max	2009	2008
United States	34	56	276	1,593	1,838	6	9	21	243	264	76	260	452	5,324	5,341
New England Connecticut	_	1 0	48 48	26 —	35	_	0 0	5 5	1	4	1	5 1	15 5	140 29	134 8
Maine [§] Massachusetts	_	0	2 1	7 1	12	_	0	1	_ 1	_	_ 1	0 4	2 11	1 96	5 105
New Hampshire Rhode Island [§]	_	0	3	5		_	0	Ö	_	_	_	0	2	10	6
Vermont§	_	0	6 1	5 8	11 12	_	0	1 0	_	2 2	_	0	5 2	4	5 5
Mid. Atlantic New Jersey	2	4 0	14 0	94	190	_	0	3 0	18	16	27 2	33 4	51 13	813 101	743 89
New York (Upstate)	2	1	10	40	35	_	0	2	10	5	_	2	8	47	58
New York City Pennsylvania	_	1 1	4 8	2 52	80 75	_	0 0	2 2	8	11	21 4	22 5	36 12	513 152	462 134
E.N. Central Illinois	5 N	9 0	41 0	349 N	400 N	2 N	1	7 0	49 N	54 N	8 4	24 9	44 19	444 117	483 179
Indiana	_	2	32	108	143	_	0	6	16	17	1	2	10	70	63
Michigan Ohio	<u> </u>	0 7	2 18	16 225	14 243	_	0 1	1 4	2 31	2 35	2 1	4 6	18 28	109 127	89 131
Wisconsin	_	0	0	_	_	_	0	0	_	_	_	1	4	21	21
W.N. Central lowa	_2	3	161 0	68	130	=	0	4	17	23	2	6	14 2	132 10	182 8
Kansas Minnesota	_	1 0	5 156	19 —	54 15	_	0 0	2 4	10	3 15	1	0 2	3 6	11 29	14 43
Missouri Nebraska [§]	2	1 0	5 1	37 1	56	_	0	1 0	5	2	1	3	10 2	69 10	112 5
North Dakota South Dakota	_	0	3 2	9 2	2	_	0 0	0 2	_		_	0	1 1	2	_
S. Atlantic	22	25	53	777	731	4	4	14	113	108	— 14	62	262	1,261	1,105
Delaware District of Columbia	 N	0	2	9 N	2 N	N	0	0	_ N	_ N		0	3 9	14 81	5 61
Florida	16	15	36	481	389	3	3	13	79	65		20	31 227	428 217	430
Georgia Maryland [§]	5	8	25 1	212 4	261 4	1	1	5 0	27 —	36 1	3	13 6	16	125	195 140
North Carolina South Carolina§	N —	0 0	0	N	N	N —	0 0	0 0	N	N —	_	8 2	19 6	221 39	118 37
Virginia [§] West Virginia	N 1	0 2	0 13	N 71	N 75	N	0	0 3	N 7	N 6	6	5 0	16 1	134 2	115 4
E.S. Central	2	5	25	171	208	_	1	3	24	38	4	22	36	485	452
Alabama [§] Kentucky	N 1	0 1	0 5	N 48	N 49	<u>N</u>	0	0 2	N 7	N 9	=	8 1	17 10	179 24	197 42
Mississippi Tennessee§	<u>_</u>	0 3	3 22	123	24 135	_	0	1 3	_ 17	8 21	1 3	3 8	18 19	87 195	58 155
W.S. Central	1	1	6	52	68	_	0	3	10	12	4	48	80	928	883
Arkansas [§] Louisiana	1	0 1	5 5	33 19	12 56	_	0	3 1	7 3	3 9	4	3 14	35 40	85 223	54 208
Oklahoma Texas§	N	0	0	N	N	N	0	0	N	Ň	_	1 29	7 40	26 594	40 581
Mountain	_	2	7	54	75	_	0	3	10	8	7	9	18	134	293
Arizona Colorado	_	0	0	_	_	_	0	0	_	_	_	3 2	11 5	21 40	149 83
Idaho [§] Montana [§]	N	0	1	N	N	N	0	1	N	N	_	0 0	2 7	3	1
Nevada [§]	_	1	4	26	36	_	0	2	6	3	6	1	7	49	34
New Mexico [§] Utah	_	0 1	0 6	22	39	_	0 0	0 3	4	 5	<u>1</u>	1 0	5 2	20 —	12 12
Wyoming§	_	0	2	6	_	_	0	0	_	_	_	0	1	1	2
Pacific Alaska	_	0	1	2	1	_	0	1	1	1	9	47 0	66 1	987	1,066
California Hawaii	<u>N</u>	0 0	0 1	N 2	N 1	<u>N</u>	0 0	0 1	N 1	N 1	<u>4</u>	42 0	60 3	904 14	968 11
Oregon [§] Washington	N N	0	0	N N	N N	N N	0	0	N N	N N	1 4	0 2	3 9	15 54	4 83
American Samoa	N	0	0	N	N	N	0	0	N	Ν	_	0	0	_	_
C.N.M.I. Guam	_	0		_	_	_	0	0	_	_	_		0	_	_
Puerto Rico U.S. Virgin Islands	_	0	0	_	_	_	0	0	_	_	8	3	11 0	96	72 —
o.o. virgiri isianus		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 year 2008 and 2009 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).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 13, 2009, and June 7, 2008 (23rd week)*

							West Nile virus disease [†]									
Varicella (chickenpox)					Neuroinvasive					Nonneuroinvasive [§]						
			ious				Prev						ious			
Reporting area	Current week	Med	eeks Max	Cum 2009	Cum 2008	Current week	Med Med	Max	Cum 2009	Cum 2008	Current week	Med	eeks Max	Cum 2009	Cum 2008	
United States	93	359	711	7,539	17,489		1	75		9		0	77	1	24	
New England	1	17	46	144	884	_	0	2	_	_	_	0	1		1	
Connecticut		11	23	· · · ·	435	_	0	2	_	_	_	0	1	_	1	
Maine [¶] Massachusetts	_	0 0	11 1	_	150	_	0	0 1	_	_	_	0 0	0	_	_	
New Hampshire	1	4	11	101	148	_	0	0	_	_	_	0	0	_	_	
Rhode Island¶	_	0	0	_	_	_	Ö	1	_	_	_	0	0	_	_	
Vermont [¶]		3	17	43	151	_	0	0	_	_	_	0	0	_	_	
Mid. Atlantic New Jersey	15 N	39 0	61 0	864 N	1,353 N	_	0	8 2	_	_	_	0	4 1	_	_	
New York (Upstate)	N	Ö	Ö	N	N	_	0	5	_	_	_	Ö	2	_	_	
New York City	_	0	0			_	0	2	_	_	_	0	2	_	_	
Pennsylvania	15	39	61	864	1,353	_	0	2	_	_	_	0	1	_	_	
Illinois	48	147 33	254 73	3,601 821	4,298 601	_	0	8 4	_	_	_	0 0	3 2	_	_	
Indiana	_	0	73 14	83	- 001	_	0	1	_	_	_	0	1	_	_	
Michigan	28	48	90	1,156	1,781	_	Ö	4	_	_	_	Ö	2	_	_	
Ohio	20	42	91	1,317	1,444	_	0	3	_	_	_	0	1	_	_	
Wisconsin V.N. Central	_	11	25	224	472	_	0	2	_	_	_	0	1	_	_	
v.n. Centrai Iowa	8 N	22 0	114 0	608 N	712 N	_	0	6 2	_	1	_	0	21 1	1	2	
Kansas	_	6	22	170	285	_	0	2	_	1	_	0	3	_	1	
Minnesota	_	0	0	_	_	_	0	2	_	_	_	0	4	_	_	
Missouri	8	11	51 0	400	402	_	0	3	_	_	_	0	1	_	_	
Nebraska [¶] North Dakota	N	0	108	N 38	N	_	0 0	1 2	_	_	_	0	6 11	_	_ 1	
South Dakota	_	Ö	4	_	25	_	Ö	5	_	_	_	Ö	6	1		
6. Atlantic	15	58	136	1,165	2,714	_	0	4	_	2	_	0	4	_	_	
Delaware	_	0	5	2	14	_	0	0	_	_	_	0	1	_	_	
District of Columbia Florida	 10	0 28	3 67	818	17 1,007	_	0 0	2 2	_	_	_	0	1 0	_	_	
Georgia	N	0	0	N	1,007 N		0	1	_		_	0	1	_		
Maryland [¶]	N	0	0	N	N	_	0	2	_	_	_	0	3	_	_	
North Carolina	N	0	0	N	N	_	0	1	_	1	_	0	1	_	_	
South Carolina [¶] Virginia [¶]	_	6 9	39 60	82 28	525 757	_	0	0	_	_	_	0 0	1 1	_	_	
West Virginia	5	10	32	235	394	_	0	0		1	_	0	Ö	_	_	
.S. Central	_	4	28	17	780	_	0	7	_	_	_	0	9	_	5	
Alabama [¶]		4	28	16	772	_	0	3	_	_	_	0	2	_	1	
Kentucky	N	0	0 1	N 1	N 8	_	0	1 4	_	_	_	0	0 8	_	_	
Mississippi Tennessee [¶]	N	0	0	Ň	N	_	0	2	_	_	_	0	3	_	2	
V.S. Central	_	58	308	481	5.369	_	0	8	_	4	_	0	7	_	7	
Arkansas [¶]	_	3	47	19	406	_	0	1	_	1	_	0	1	_	_	
Louisiana Oklahoma		1 0	4 0	27	47 N	_	0	3 1	_	_	_	0	5 1	_	3	
Texas [¶]	<u>N</u>	49	282	N 435	4,916	_	0	6		1	_	0	4	_	4	
/lountain	3	24	83	600	1,319	_	0	12	_	2	_	0	22	_	6	
Arizona	_	0	0	_	´ —	_	Ō	10	_	1	_	Ö	8	_	_	
Colorado	3	11	44	292	539	_	0	4	_	_	_	0	10	_	4	
Idaho [¶] Montana [¶]	N	0 3	0 27	N 70	N 176	_	0 0	1 0	_	1	_	0 0	6	_	1	
Nevada¶	N	0	0	70 N	176 N	_	0	2	_	_	_	0	2 3	_	_	
New Mexico [¶]	_	2	10	67	133	_	0	1	_	_	_	0	1	_	_	
Utah	_	10	31	171	462	_	0	2	_	_	_	0	5	_	_	
Wyoming [¶]	_	0 2	1 7	 50	9 60	_	0 0	0	_	_	_	0 0	2	_	1	
Pacific Alaska	3 3	1	6	59 39	23	_	0	38 0	_	_	_	0	23 0	_	3	
California	_	0	0	_	_	_	0	37	_	_	_	0	20	_	3	
Hawaii		1	4	20	37	_	0	0	_	_	_	0	0	_		
Oregon [¶] Washington	N N	0	0 0	N N	N N	_	0 0	2 1	_	_	_	0	4 1	_	Ξ	
wasnington Imerican Samoa	N N	0	0	N N	N N	_	0	0	_	_	_	0	0	_	_	
C.N.M.I.		_	_			_	_	_	_	_	_	_	_	_	_	
Guam	_	0	.3	. —	54	_	0	0	_	_	_	0	0	_	_	
Puerto Rico	_	8	17	114	309	_	0	0	_	_	_	0	0	_	_	
J.S. Virgin Islands	_	0	0	_	_	_	0	0	_	_	_	0	0	_	_	

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

* Incidence data for reporting year 2008 and 2009 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 starting 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.

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

TABLE III. Deaths in 122 U.S. cities,* week ending June 13, 2009 (23rd week)

		All cau	ses, by a	age (year	s)					All cau	uses, by	age (yea	rs)		
	All						P&I [†]		All						P&I†
Reporting area	Ages	≥65	45–64	25–44	1–24	<1	Total	Reporting area	Ages	≥65	45–64	25–44	1–24	<1	Total
New England	517	363	118	17	6	13	55	S. Atlantic	1,356	826	359	100	32	39	70
Boston, MA Bridgeport, CT	136 25	86 19	34 5	5 1	2	9	17 4	Atlanta, GA Baltimore, MD	190 159	128 83	40 46	17 22	3 7	2 1	3 11
Cambridge, MA	9	6	3			_	_	Charlotte, NC	144	86	33	12	6	7	14
Fall River, MA	19	12	6	1	_	_	1	Jacksonville, FL	193	111	64	9	5	4	11
Hartford, CT	55	41	10	3	_	1	7	Miami, FL	89	48	32	3	2	4	5
Lowell, MA	20	15	5	_	_	_	_	Norfolk, VA	78	45	21	4	_	8	1
Lynn, MA New Bedford, MA	11 31	6 28	4 3	_	1	_	_ 2	Richmond, VA Savannah, GA	63 59	30 42	21 16	8 1	1	3	2 5
New Haven, CT	19	16	3			_	1	St. Petersburg, FL	75	49	15	5	3	3	3
Providence, RI	57	42	11	2	2	_	2	Tampa, FL	180	121	41	8	5	5	10
Somerville, MA	1	1	_	_	_	_	_	Washington, D.C.	113	74	27	10	_	2	3
Springfield, MA	47	27	13	4	1	2	7	Wilmington, DE	13	9	3	1	_	_	2
Waterbury, CT	30 57	23 41	7 14	_ 1	_	1	5 9	E.S. Central	929 187	584 118	251 47	56 13	22 3	16 6	78 14
Worcester, MA Mid. Atlantic	1,835	1,267	398	116	25	29	94	Birmingham, AL Chattanooga, TN	71	50	14	4	3	_	5
Albany, NY	38	33	5	_	_	_	2	Knoxville, TN	95	67	19	6	2	1	12
Allentown, PA	22	17	4	1	_	_	2	Lexington, KY	87	55	25	3	2	2	7
Buffalo, NY	86	59	15	6	3	3	7	Memphis, TN	166	86	53	20	4	3	14
Camden, NJ	28	14 8	8 5	2	1	3	1	Mobile, AL	108	81	24 19	3	3	_ 1	6
Elizabeth, NJ Erie, PA	14 48	8 37	5 9	1	1	_ 1	4 5	Montgomery, AL Nashville, TN	74 141	49 78	50	2 5	5	3	4 16
Jersey City, NJ	17	13	3	1			2	W.S. Central	1,268	787	303	88	47	43	73
New York City, NY	818	576	170	53	14	5	29	Austin, TX	87	48	21	6	5	7	9
Newark, NJ	44	21	18	2	2	1	2	Baton Rouge, LA	57	44	9	2	2	_	_
Paterson, NJ	12	8	2	2	_	_	2	Corpus Christi, TX	52	34	15	1	_	2	. 1
Philadelphia, PA	320	188 37	94 6	28 4	2	8	9	Dallas, TX El Paso, TX	164	96	37	21	5	5	10
Pittsburgh, PA [§] Reading, PA	50 33	37 25	7	1	_	3	3 4	Fort Worth, TX	89 U	67 U	14 U	4 U	2 U	2 U	3 U
Rochester, NY	119	91	21	4	_	3	8	Houston, TX	375	213	92	29	25	16	25
Schenectady, NY	26	19	5	2	_	_	1	Little Rock, AR	68	47	14	4	1	2	3
Scranton, PA	29	23	6	_	_	_	2	New Orleans, LA	U	U	U	U	U	U	U
Syracuse, NY	83	66	10	5	1	1	8	San Antonio, TX	220	141	53	15	4	7	11
Trenton, NJ Utica, NY	19 11	12 7	5 1	1 2	_ 1	1	_	Shreveport, LA Tulsa, OK	46 110	26 71	15 33	1 5	2 1	2	6 5
Yonkers, NY	18	13	4	1		_	3	Mountain	996	683	220	52	24	16	66
E.N. Central	2,115	1,362	520	149	34	49	151	Albuquerque, NM	106	74	20	6	4	2	3
Akron, OH	70	39	24	6	_	1	1	Boise, ID	49	36	10	2	_	1	5
Canton, OH	42	27	10	3	1	1	3	Colorado Springs, CO	71	52	12	6	_	1	2
Chicago, IL	342	201	102	30	6	2	42	Denver, CO	59	41	11	5	1	1	6
Cincinnati, OH Cleveland, OH	96 222	60 153	26 48	5 14	1 1	4 6	11 5	Las Vegas, NV Ogden, UT	230 26	166 17	46 6	8 1	4 2	6	16 1
Columbus, OH	209	144	47	8	3	7	17	Phoenix, AZ	181	110	49	11	6	4	16
Dayton, OH	135	102	21	9	2	1	8	Pueblo, CO	28	23	4	1	_	_	1
Detroit, MI	158	93	42	12	9	2	14	Salt Lake City, UT	134	87	34	8	4	1	15
Evansville, IN	43	26	11	5	1	_	2	Tucson, AZ	112	77	28	4	3	_	1
Fort Wayne, IN Gary, IN	91 16	69 5	15 8	4 3	1	2	6	Pacific Berkeley, CA	1,459 16	970 8	319 5	103 3	39	26	139
Grand Rapids, MI	51	36	8	4	_	3	7	Fresno, CA	106	73	24	8	_	1	9
Indianapolis, IN	205	121	52	20	3	9	12	Glendale, CA	37	19	12	2	_	4	7
Lansing, MI	37	30	7	_	_	_	4	Honolulu, HI	64	45	14	3	2	_	6
Milwaukee, WI	97	47	30	13	3	4	2	Long Beach, CA	U	U	U	U	U	U	U
Peoria, IL Rockford, IL	52	33 44	14 16	2 4	1	2 1	7 2	Los Angeles, CA Pasadena, CA	226	131	61 6	23	9	2	27
South Bend, IN	65 41	27	11	2	_	1	1	Pasaderia, CA Portland, OR	19 89	9 58	19	1 5	4	2	2 6
Toledo, OH	98	68	21	4	2	3	4	Sacramento, CA	190	132	37	15	2	4	22
Youngstown, OH	45	37	7	1	_	_	3	San Diego, CA	133	87	31	6	5	3	12
W.N. Central	651	432	148	38	16	15	47	San Francisco, CA	106	66	27	10	3	_	8
Des Moines, IA	131	91	29	8	1	2	8	San Jose, CA	166	127	24	7	6	2	19
Duluth, MN Kansas City, KS	24 22	17 9	5 9	1 3	_ 1	1	1 1	Santa Cruz, CA Seattle, WA	31 109	23 67	5 30	2 10	1 1	_ 1	3 9
Kansas City, KS Kansas City, MO	105	63	9 24	9	1 5	4	7	Spokane, WA	65	51	30 8	2	2	2	9 5
Lincoln, NE	41	34	7	_	_	_	1	Tacoma, WA	102	74	16	6	4	2	4
Minneapolis, MN	53	31	15	4	2	1	3	Total ¹	11,126	7,274	2,636	719	245	246	773
Omaha, NE	72	53	12	2	2	3	8				-				
St. Louis, MO	86	49	28	2	3	2	7								
St. Paul, MN Wichita, KS	42 75	28 57	6 13	7 2	1	_	3 8								
vvicinia, No	70	37	10				0	•							

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. ¶ Total includes unknown ages.

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