

### Weekly

December 21, 2007 / Vol. 56 / No. 50

# Carbon Monoxide-Related Deaths — United States, 1999–2004

Carbon monoxide (CO) is a colorless, odorless, tasteless toxic gas produced by incomplete combustion in fuelburning devices such as motor vehicles, gas-powered furnaces, and portable generators (1). Persons with CO poisoning often overlook the symptoms (e.g., headache, nausea, dizziness, or confusion), and undetected exposure can be fatal (1). Unintentional CO exposure accounts for an estimated 15,000 emergency department visits and 500 unintentional deaths in the United States each year (1). The most recent state-level estimates of CO-related deaths were described in 1991 for the years 1979-1988 (2). Using the most recent mortality data available, this report updates national and state-specific unintentional, non-firerelated CO mortality rates and describes the demographic, seasonal, and geographic patterns for 1999-2004. During this period, an average of 439 persons died annually from unintentional, non-fire-related CO poisoning, and the national average annual death rate was 1.5 per million persons. However, rates varied by demographic subgroup, month of the year, and state. Rates were highest among adults aged ≥65 years, men, non-Hispanic whites, and non-Hispanic blacks. The average number of deaths was highest during January. Among the states, Nebraska had the highest reliable CO mortality rate. These findings indicate that improved population-based prevention measures, including educating the public about the dangers of CO exposure, are needed at the state and national levels.

Mortality rates were calculated from death certificate data obtained from the National Vital Statistics System (NVSS), using the record axis fields from the multiple cause-of-death files compiled by the National Center for Health Statistics (3). Records were searched for all deaths occurring among residents of 50 states and the District of Columbia during 1999–2004 that contained *International Classification of Diseases, Tenth Revision* (ICD-10) code T58 (toxic effect of CO) as a contributing cause of death. A case of unintentional CO-related death was defined as one for which both poisoning by accidental exposure to gases or vapors (code X47) and toxic effect of CO (code T58) were listed as causes of death. All records of deaths caused by intentional exposure, exposure of undetermined intent, or fire-related exposure to CO (codes X00–X09, X76, X97, Y26, and Y17) were excluded. Deaths that occurred among foreign residents in the United States and deaths among U.S. residents who died abroad also were excluded.

Crude and age-adjusted rates of unintentional, non-firerelated deaths from CO poisoning were calculated by age group, sex, and race/ethnicity for the period 1999–2004. To assess the seasonality of CO-related mortality, the average daily number of deaths was calculated by month for the period 1999–2004. The national Non-Notifiable Disease Surveillance System was used to identify states in which physicians, laboratories, or hospitals are mandated by law to report acute CO poisoning (4). In addition, age-adjusted CO death rates were calculated for each state for the period 1999–2004 (5,6). Populations at risk were defined using the U.S. intercensal population estimate for 1999, the U.S. Census 2000 population count, and population bridgedrace estimates (3) for 2001–2004. Using the direct method,

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DEPARTMENT OF HEALTH AND HUMAN SERVICES CENTERS FOR DISEASE CONTROL AND PREVENTION The *MMWR* series of publications is published by the Coordinating Center for Health Information and Service, Centers for Disease Control and Prevention (CDC), U.S. Department of Health and Human Services, Atlanta, GA 30333.

**Suggested Citation:** Centers for Disease Control and Prevention. [Article title]. MMWR 2007;56:[inclusive page numbers].

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state mortality rates were age adjusted to the U.S. standard 2000 population (3,5). Rates based on small numbers of deaths (five or fewer) or with relative standard errors (RSEs) >50% were considered unreliable and were not included (7). Rates based on >20 deaths and with RSEs <30% were considered reliable. Rates based on six to 29 deaths and with RSEs from 30% to 50% should be interpreted with caution. Statistically significant differences between rates were inferred by comparing 95% confidence intervals.

During 1999–2004, CO poisoning was listed as a contributing cause of death on 16,447 death certificates in the United States. Of these, 16,400 (99.7%) deaths occurred among U.S. residents inside the United States, and 2,631 (16%) were classified as both unintentional and non-fire-related deaths. For the period 1999–2004, an average of 439 persons died annually from unintentional, non-fire-related CO poisoning (range: 400 in 1999 to 473 in 2003). The annual average age-adjusted death rate in the U.S. was 1.5 deaths per million persons (Table 1). Death rates were highest for adults aged  $\geq$ 65 years and for men (Table 1). Age-adjusted death rates were higher for non-Hispanic blacks and non-Hispanic whites than for other subgroups; however, the difference between the rates for

TABLE 1. Unintentional, non-fire-related deaths from carbon monoxide (CO) poisoning,\* by age group, sex, and race/ ethnicity — United States, 1999–2004

Characteristic	<u>Total</u>	deaths (%)	6-year average annual crude rate <sup>†</sup>	6-year average annual rate <sup>†</sup>	(95% Cl <sup>§</sup> )
		. ,			· /
Total	2,031	(100)	1.53	1.53	(1.47–1.59)
Age group (yrs)		(-)			
0-4	52	(2)	0.45	_	—
5–14	83	(3)	0.33	—	—
15–24	256	(10)	1.06	—	_
25–34	322	(12)	1.35	—	—
35–44	505	(19)	1.87	_	
45–54	472	(18)	2.00	_	_
55–64	314	(12)	2.00	_	_
≥65	628	(24)	2.13	_	
Sex					
Male	1,958	(74)	2.32	2.41	(2.30-2.52)
Female	673	<b>(6</b> )	0.77	0.74	(0.68–0.79)
Race/Ethnicity <sup>¶</sup>					
White, non-Hispanic	1,941	(74)	1.65	1.54	(1.48–1.61)
Black, non-Hispanic	,	(11)	1.46	1.64	(1.45–1.83)
Other, non-Hispanic		(4)	0.98	1.01	(0.80–1.22)
Hispanic	279	(11)	1.25	1.31	(1.14–1.48)

\* Deaths coded with International Classification of Disease, Tenth Revision codes T58 and X47, excluding X00–X09, X76, X97, Y26, and Y17.

Average age-adjusted rate per 1 million persons.

§ Confidence interval.

Records in which ethnicity was unknown or missing were excluded from analysis (n = 9). blacks and whites was not statistically significant (Table 1). The average daily number of CO-related deaths was greatest during the months of January (2.07 deaths) and December (1.97 deaths) and lowest during the months of July (0.67 deaths) and August (0.67 deaths). For the period 1999–2004, a total of 35 states had sufficient numbers of CO-related deaths to calculate reliable mortality rates (Table 2). The state with the highest reliable CO mortality rate was Nebraska, and the state with the lowest reliable rate was California. As of December 2007, reporting of acute CO poisoning by health-care providers was mandatory for 13 states; no clear pattern of differences in CO-related mortality was detected between states with mandatory reporting and those without.

**Reported by:** *M King, PhD, C Bailey, MS, National Center for Environmental Health, CDC.* 

Editorial Note: Consistent with previous studies (1,2), the results of this analysis indicate that men and adults aged  $\geq$ 65 years were more likely to die from CO poisoning than other persons. The higher rate in men has been attributed to high-risk behaviors among men, such as working with fuel-burning tools or appliances. The higher rate among older persons has been attributed to the likelihood of older adults mistaking symptoms of CO poisoning for other conditions common among persons in this age group (e.g., influenza-like illnesses or fatigue. CO deaths were highest during colder months, likely because of increased use of gas-powered furnaces and use of alternative heating and power sources used during power outages, such as portable generators, charcoal briquettes, and propane stoves or grills (1). Similar to previous findings (2), the highest CO death rates tended to be among western (e.g., Alaska, Montana, and Wyoming) and midwestern (e.g., Nebraska and North Dakota) states, likely because of variations in weather and geography and state-by-state variations in prevalence of certain risk behaviors.

The findings in this report are subject to at least three limitations. First, carboxyhemoglobin measurements are not a routine part of autopsies, and postmortem measurements often are unreliable because carboxyhemoglobin concentrations produced by different analytic methods vary (8), which might have resulted in misclassification of COrelated deaths. In addition, receipt of mortality data often is delayed, and the data might lack the circumstantial and clinical detail that could provide information about the specific mechanisms of CO poisoning, which might have resulted in misclassification. Second, because the symptoms of CO poisoning are nonspecific and clinical recognition is challenging, certain cases might not be recognized, resulting in underestimates. Finally, because ICD-10 coding has

TABLE 2. Unintentional, non–fire-related deaths from carbon
monoxide (CO) poisoning, by state — United States, 1999–2004*

monoxide (CO) poi	soning, by	vstate — U	nited States,	1999–2004*
	Total number of	6-year average annual		Mandatory reporting of acute CO
State/Area	deaths	rate <sup>†</sup>	(95% Cl§)	poisoning <sup>1</sup>
U.S. total	2,631	1.53	(1.39–1.68)	—
Alabama	48	1.80	(0.76-3.58)	—
Alaska	20**	4.88	(0.82-15.53)	—
Arizona	55	1.73	(0.80-3.27)	—
Arkansas	32	1.99	(0.60-4.81)	Yes
California	115	0.57	(0.34-0.90)	—
Colorado	60	2.32	(0.85–5.03)	Yes
Connecticut	19**	0.85	(0.05–3.86)	Yes
Delaware	6**	1.21††	(0–16.38)	—
District of Columbia	§§	_	_	_
Florida	137	1.27	(0.79–1.93)	—
Georgia	63	1.29	(0.59–2.44)	—
Hawaii	§§	—	—	—
Idaho	21	2.75	(0.37–9.58)	—
Illinois	155	2.05	(1.33–3.03)	
Indiana	91	2.48	(1.40–4.09)	Yes
lowa	52	2.86	(1.18–5.78)	Yes
Kansas	35	2.16	(0.70–5.03)	—
Kentucky	68	2.74	(1.37–4.91)	
Louisiana	29	1.10	(0.21–3.29)	Yes
Maine	8**	1.01 <sup>††</sup>	(0-17.14)	
Maryland	46	1.43	(0.58–2.92)	
Massachusetts	14**	0.35	(0.03–1.42)	Yes
Michigan	128	2.13	(1.27–3.35)	Yes
Minnesota	73	2.39	(1.23–4.19)	_
Mississippi	16**	0.95	(0.06-4.28)	
Missouri	95 23	2.77	(1.50-4.67)	Yes
Montana Nebraska	23 45	4.16 4.32	(0.64 - 13.72)	_
Nevada	32	2.54	(1.32–10.42) (0.77–6.16)	
New Hampshire	§§	2.04	(0.77-0.10)	
New Jersey	49	0.93	(0.30–2.16)	Yes
New Mexico	33	3.07	(0.96–7.31)	Yes
New York	118	1.01	(0.61–1.58)	
North Carolina	86	1.74	(0.95–2.93)	_
North Dakota	13**	3.20	(0.12–16.16)	
Ohio	139	1.99	(1.27–2.99)	
Oklahoma	35	1.72	(0.42-4.61)	
Oregon	30	1.41	(0.46–3.30)	_
Pennsylvania	160	2.01	(1.31–2.94)	_
Rhode Island	8**	1.23 <sup>††</sup>	(0–12.35)	_
South Carolina	28	1.14	(0.16–3.90)	—
South Dakota	6**	1.34 ††	(0-15.82)	
Tennessee	50	1.43	(0.63-2.78)	
Texas	148	1.23	(0.79–1.82)	—
Utah	19**	1.56	(0.16–6.03)	—
Vermont	8**	1.96 ††		_
Virginia	45	1.05	(0.41–2.20)	Yes
Washington	44	1.21	(0.46–2.59)	_
West Virginia	20**	1.74	(0.20–6.41)	—
Wisconsin	79	2.36	(1.19–4.18)	Yes
Wyoming	19**	6.19	(0.66–23.35)	

\* Data from National Center for Health Statistics multiple-cause-of-death files and the U.S. Census Bureau. Deaths coded with *International Classification of Disease, Tenth Revision* codes T58 and X47, excluding X00–X09, X76, X97, Y26, and Y17.

<sup>†</sup> Average age-adjusted rate per 1 million persons; all relative standard errors are <30%, unless otherwise indicated.

§ Confidence interval.

<sup>1</sup> Disease condition reportable by law for physicians, laboratories, or hospitals as of December 2007.

\*\*  $n \leq 20$ ; estimate is unreliable.

<sup>††</sup> Relative standard error of the estimate is 30%–50%; estimate is unreliable.

§§ Relative standard error of the estimate is >50% or n≤5.

only one code specific to CO (T58), distinguishing between deaths caused by motor-vehicle exhaust and other CO-related deaths is not possible using the methods in this analysis.

Because persons are relying on CO alarms to prevent CO poisoning (9), additional research regarding their effectiveness is needed, including an evaluation of the cost effectiveness of CO alarms used in residences. As additional years of data become available, tracking of longitudinal trends in CO-related mortality should continue to guide public health measures aimed at preventing deaths from CO poisoning (10).

Exposure to CO can be prevented with basic precautions, including proper installation and maintenance of fuelburning appliances (Box). CO detectors can alert occupants to accumulating gas and should be placed on every level of a home. Additional measures to educate the public regarding the dangers of CO are needed, particularly during the winter season. Additional surveillance that combines timely estimates of morbidity and mortality with situational information related to mechanisms of CO exposure (e.g., length of exposure, type of fuel-burning device involved, and behaviors or chain of events preceding exposure) could help target prevention measures and reduce CO poisonings.

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#### BOX. Guidelines to prevent carbon monoxide (CO) exposure

### Do

- Have heating systems, water heaters, and any other gas-, oil-, or coal-burning appliances serviced by a qualified technician every year.
- Install battery-operated CO detectors in homes, and check or replace batteries when changing the time on clocks each spring and fall. If a detector sounds, leave the home immediately and call 911.
- Seek medical attention promptly if CO poisoning is suspected and if feeling dizzy, light-headed, or nauseous.

#### Do not

- Use a generator, charcoal grill, camp stove, or other gasoline- or charcoal-burning device inside the home, basement, or garage or outside the home near a window.
- Run a car or truck inside a garage attached to a house, even if the door is left open.
- Burn anything in a stove or fireplace that is not vented.
- Heat a house with a gas oven.

**SOURCE:** CDC. Unintentional non-fire-related carbon monoxide exposures in the United States, 2001–2003. MMWR 2005;54:36–9.

# Postpartum Care Visits — 11 States and New York City, 2004

The American Academy of Pediatrics (AAP) and the American College of Obstetricians and Gynecologists (ACOG) recommend that women who give birth have a postpartum care visit (PPCV) 4-6 weeks after delivery (1). PPCVs provide important opportunities to assess the physical and psychosocial well-being of the mother, counsel her on infant care and family planning, and detect and give appropriate referrals for preexisting or developing chronic conditions such as diabetes, hypertension, or obesity. To estimate the prevalence of PPCVs among U.S. women who deliver live infants, CDC analyzed population-based 2004 data (the most recent data available) from 12 areas (11 states and New York City) participating in the Pregnancy Risk Assessment Monitoring System (PRAMS). This report summarizes the results of that analysis, which indicated that although the overall prevalence of PPCVs among U.S. women who deliver is high (89%), rates are significantly lower in certain population subgroups (e.g., 71% among women with  $\leq 8$  years of education and 66% among women who had not received prenatal care). To help reach all population subgroups, the importance of the PPCV should be communicated to all women at the time of discharge from the hospital after delivery.

PRAMS is an ongoing state- and population-based surveillance system designed to collect self-reported information on maternal behaviors and experiences that occur before, during, and after pregnancy among women who deliver live infants. PRAMS is administered by CDC in collaboration with participating state and New York City health departments.\* Each month, 100-300 randomly sampled mothers who have given birth during the previous 2-6 months are surveyed using stratified, systematic sampling of birth certificates of infants born to state residents. Mothers receive a questionnaire by mail, and nonrespondents receive follow-up mailings. Additional attempts to contact nonrespondents are made by telephone. Most states oversample certain smaller populations at higher risk, such as mothers of low-birthweight infants (<2500 g [<5 lbs, 8 oz]), to ensure adequate representation of these subgroups. Self-reported survey data are linked to birth certificate data and weighted to adjust for survey design, noncoverage, and nonresponse. The PRAMS questionnaire consists of core questions that appear on all state surveys, standard questions that states may select, and statedeveloped questions tailored to the individual needs of the states. In 2004, a question about PPCVs was a stateselected standard question for nine states and New York City; two states used slightly different wording for their PPCV question.

Data from 11 states (Arkansas, Georgia, Hawaii, Minnesota, New Jersey, New Mexico, Oklahoma, Rhode Island, South Carolina, Vermont and West Virginia) and New York City were included in this analysis because these localities used a question in 2004 pertaining to PPCVs. In most of the included states and New York City, mothers were asked a standard question, "Since your new baby was born, have you had a postpartum checkup for yourself? (A postpartum checkup is the regular checkup a woman has after she gives birth)." Two states modified the question slightly. In New Mexico, mothers were asked, "Since your new baby was born, have you seen a doctor, nurse, or midwife for yourself for any of these reasons?" Mothers could select from the following three options: "I received a routine checkup (6 weeks after delivery); I received care for a health problem; or I received a birth control method." If a mother selected the first answer, she was considered to have had a

PPCV. In Oklahoma, mothers were asked, "After you delivered your new baby, did any of these things happen?" and then were asked to respond "yes" or "no" to "I had a postpartum checkup."

The annual weighted survey response rate during 2004 was 73.1% (range: 69.7%–82.8%). Women who did not answer the PPCV question were excluded from the analysis (n = 402; 2.1%), and data were analyzed for 18,558 respondents. Overall and state-specific PPCV rates and 95% confidence intervals were calculated. In addition, the prevalence of PPCV by selected maternal and infant characteristics was assessed; statistically significant differences (p<0.05) were tested using Pearson chi-square tests. Prevalence estimates, 95% confidence intervals, and chi-square tests were calculated using statistical software to account for the complex survey design.

The overall prevalence of PPCVs among women who delivered live infants was high (88.7%), but varied among the 11 states and New York City (range: 84.0%–93.9%) (Table 1). The PPCV prevalence varied significantly by several, but not all, maternal and infant characteristics (Table 2). A few subgroups had significantly lower PPCV rates, including mothers with  $\leq 8$  years of education (71.2%), mothers who had not received prenatal care (65.7%), mothers who had received late prenatal care (71.2%), and mothers whose infants did not have well-baby checkups (59.5%). The rate of PPCV did not vary significantly by any infant outcome (i.e., period of gestation, birthweight, and plurality).

TABLE 1. Estimated prevalence of postpartum care visits (PPCVs) among women who delivered live infants, by state/area — Pregnancy Risk Assessment Monitoring System, 11 states and New York City, 2004

State/Area*	Sample population (n = 18,558) <sup>†</sup>	%§	(95% Cl¹)§
Overall	18,558	88.7	(87.9–89.4)
Arkansas	2,092	84.9	(82.7-86.9)
Georgia	1,567	88.8	(86.4-90.9)
Hawaii	2,080	88.3	(86.8-89.7)
Minnesota	1,511	90.1	(87.9-91.9)
New Jersey	2,263	89.6	(88.2-90.9)
New Mexico	1,514	86.9	(85.0-88.6)
New York City	762	89.5	(86.5-91.9)
Oklahoma	1,695	84.0	(81.0-86.7)
Rhode Island	1,494	93.8	(92.2-95.1)
South Carolina	1,605	90.5	(87.7-92.7)
Vermont	1,116	92.8	(90.9-94.2)
West Virginia	859	86.8	(83.2-89.6)

\* Test for difference in PPCV prevalence among all 12 states/areas.  $\chi^2 = 96.1$ , p<0.01.

<sup>†</sup> Based on unweighted data.

§ Based on weighted data.

<sup>¶</sup> Confidence interval.

<sup>\*</sup> Additional information regarding PRAMS is available at http://www.cdc.gov/ prams.

TABLE 2. Estimated prevalence of postpartum care visits among women who delivered live infants, by selected characteristics — Pregnancy Risk Assessment Monitoring System, 11 states and New York City, 2004

	Sample			
Characteriatia	population	o/+		w <sup>2</sup> (n volue)¶
Characteristic	(n = 18,558)*	* %†	(95% CI§)†	χ² (p value) <sup>1</sup>
Sociodemographic				
Maternal age (yrs) <20	2,267	84.5	(81.6–87.0)	77.5 (<0.001)
20–24	4,761	83.8	(81.9–85.5)	77.5 (<0.001)
			· · · ·	
25-29	4,792	89.9	(88.4–91.2)	
30–34	4,129	92.7	(91.3–93.9)	
<u>&gt;</u> 35	2,609	91.2	(89.4–92.8)	
Race/Ethnicity				
Hispanic	2,882	82.9	(80.5–85.0)	51.4 (<0.001)
Black, non-Hispanic	3,307	87.5	(85.7–89.1)	
Other	2,655	87.7	(85.4-89.8)	
White, non-Hispanic	8,561	91.2	(90.2–92.1)	
Don't know/Blank**	1,166	92.6	(89.4–94.8)	
Maternal education (yrs)				
0-8	632	71.2	(64.8–76.8)	196.5 (<0.001)
9–11	2,677	81.2	(78.5–83.5)	
1 2	6,086	86.9	(85.4-88.2)	
13–15	4,161	92.0	(90.5–93.2)	
<u>≥</u> 16	4,776	95.1	(94.0-96.0)	
Don't know/Blank**	226	83.5	(74.6-89.7)	
Marital status				
Married	11,203	91.8	(90.9-92.6)	94.2 (<0.001)
Other	7,352	83.5	(82.0-84.9)	· · · /
Don't know/Blank**	3	56.2	(9.3–94.1)	
			(0.0 0.0.)	
Health care and payment				
Delivery payment	0.407			470 0 ( 0 004)
Medicaid	8,427	84.3	(83.0-85.6)	179.6 (<0.001)
Income/Cash	2,580	93.3	(91.3–94.8)	
Insurance (HMO <sup>††</sup> )	5,940	94.1	(93.0–94.9)	
Other	264	74.9	(66.8–81.6)	
No to all pay options	1,334	82.3	(77.8-86.1)	
Don't know/Blank**	13	89.5	(63.3–97.7)	
Receiving WIC <sup>§§</sup> benefits				
Yes	9,240	85.2	(83.9-86.4)	76.4 (<0.001)
No	9,143	92.0	(91.1–92.9)	
Don't know/Blank**	175	83.7	(71.9–91.1)	
Reproductive health				
Onset of prenatal care				
No prenatal care	240	65.7	(53.2–76.3)	82.7 (<0.001)
2nd or 3rd trimester	3,475	71.2	(79.0–83.2)	02.7 (<0.001)
1st trimester	14,417	91.0	(90.2–91.7)	
Don't know/Blank**	426	91.0 87.7	(82.3–91.6)	
	420	07.7	(02.3-91.0)	
Parity	0.070			
0	8,070	90.4	(89.2–91.4)	22.2 (<0.001)
1-2	8,639	88.1	(87.0-89.2)	
>2	1,798	84.2	(81.5-86.5)	
Don't know/Blank**	51	99.8	(99.4–100.0)	
Diabetes				
Yes	2,130	89.2	(87.0–91.1)	0.26 (0.61)
No	16,426	88.7	(87.8-89.4)	
Don't know/Blank**	2	8.9	(1.1–45.8)	
Hypertension				
Yes	3,267	90.0	(88.0-91.6)	1.97 (0.16)
No	15,286	88.5	(87.7–89.3)	(·/
Don't know/Blank**	5	56.0	(13.7–91.1)	
	-	-	· · · /	

**Reported by:** SY Chu, PhD, WM Callaghan, MD, CK Shapiro-Mendoza, PhD, Div of Reproductive Health, National Center for Chronic Disease Prevention and Health Promotion; CL Bish, PhD, EIS Officer, CDC.

Editorial Note: As with previous national and state-based reports (2-4), the overall prevalence of PPCVs in 2004 was high (89%); however, significantly lower prevalences (<75%) were observed among women with fewer years of education, who had received no or late prenatal care, and whose infants did not have a well-baby checkup. A study conducted using data from 1985-1987 also reported low prevalence of PPCV among women with fewer years of education (77% for those with a ninth-grade education or less) and inadequate prenatal care (63%) (4). The findings from that study suggested that women who deliver and have low PPCV rates might exhibit fewer health-seeking behaviors, have lower use of health care, or have less access to health care than women with high PPCV rates.

Historically, the primary reasons for recommending that a woman have a PPCV have been to assess her current health status and to begin preconception or family-planning counseling (1). Additionally, a PPCV is important as an opportunity to follow up women at increased risk for certain conditions such as hypertension, diabetes, and postpartum depression. As one example, both the American Diabetes Association and ACOG recommend postpartum glucose-tolerance testing in women in whom gestational diabetes mellitus (GDM) has been diagnosed (5); however, fewer than half (37%-45%) of women with GDM get tested for diabetes postpartum (6,7). The prevalence of GDM, an obesity-related condition, is increasing concurrent with the rising

TABLE 2. (*Continued*) Estimated prevalence of postpartum care visits among women who delivered live infants, by selected characteristics — Pregnancy Risk Assessment Monitoring System, 11 states and New York City, 2004

	Sample				
Characteristic	population (n = 18,558)*	<b>%</b> †	(95% CI <sup>§</sup> ) <sup>†</sup>	χ²	(p value) <sup>1</sup>
Pregnancy intendedness					
Unwanted	2,122	84.7	(82.1-87.0)	47.1	(<0.001)
Unintended or wanted later	6,003	86.0	(84.4-87.4)		
Wanted	10,115	91.1	(91.2–92.0)		
Don't know/Blank**	318	86.3	(78.9–91.4)		
Smoking during last 3 mos of pregnancy					
Yes	3,745	81.0	(78.5-83.2)	50.4	(<0.001)
No	14,813	90.0	(89.2–90.8)		
Alcohol consumption during last 3 mos of pregnancy					
Yes	1,288	84.7	(81.2-87.7)	6.3	(0.01)
Νο	17,229	89.0	(88.2-89.7)		
Don't know/Blank**	41	98.3	(94.2–99.5)		
Birth outcome and infant care					
Period of gestation (wks)					
<32	1,669	88.2	(85.0-90.9)	0.9	(0.83)
32–36	2,779	88.9	(86.6–90.9)		()
37–41	12,005	88.7	(87.8–89.5)		
>42	120	84.7	(73.2–91.8)		
Don't know/Blank**	1,985	89.4	(86.6–91.6)		
Birthweight (g)			, ,		
<2,500	5,748	88.4	(87.0-89.6)	4.5	(0.10)
2,500-4,000	11,251	88.5	(87.6–89.3)		( )
>4,000	1,522	91.1	(88.5–93.2)		
Plurality					
Single	17,685	88.7	(87.9-89.4)	5.3	(0.07)
Twin	841	90.3	(84.7–94.0)		
Other multiple	32	98.3	(89.7–99.7)		
Admission to NICU <sup>¶¶</sup>					
Yes	4,214	89.2	(87.2-90.9)	0.2	(0.64)
Νο	14,079	88.7	(87.8-89.5)		
Don't know/Blank**	265	85.7	(75.0–92.3)		
Type of delivery					
Vaginal	11,600	88.2	(87.2-89.1)	5.2	(0.07)
Cesarean section	6,085	90.1	(88.6-91.3)		
Forceps or vacuum	839	88.5	(84.2-91.7)		
Don't know/Blank**	34	79.9	(52.2–93.5)		
Ever breastfed					
Yes	13,248	89.7	(88.8–90.6)	18.0	(<0.001)
Νο	4,657	85.8	(84.1-87.3)		
Don't know/Blank**	653	88.2	(81.4–92.8)		
Well-baby checkup					
Yes	17,421	89.2	(88.4–90.0)	31.6	(<0.001)
No	356	59.5	(50.7-67.7)		
Don't know/Blank**	781	90.6	(86.4–93.6)		

\* Based on unweighted data.

<sup>†</sup> Based on weighted data.

§ Confidence interval.

Pearson chi-square test for any difference in prevalence among categories for each characteristic; "Don't know/Blank responses" excluded.

\*\* Also includes groups that were not asked the question (e.g., teenage mothers).

<sup>††</sup> Health maintenance organization.

§§ Special Supplemental Nutrition Program for Women, Infants, and Children.

<sup>¶¶</sup>Neonatal intensive care unit.

prevalence of obesity. Because approximately 50% of women with GDM will progress to type 2 diabetes within 5-10 years (8), postpartum glucose-tolerance testing during a routine PPCV is an important health intervention that can facilitate early diagnosis and treatment of type 2 diabetes. In addition, detecting impaired glucose tolerance in asymptomatic women who have GDM provides opportunities to offer dietary counseling, exercise recommendations, and other weight-management strategies for delaying or preventing diabetes (8,9).

The findings in this report are subject to at least three limitations. First, these data represent only 16% of all U.S. births in 2004, and the information obtained from these states might not be generalizable to the entire United States. Second, PRAMS data are self-reported by new mothers 2 to 9 months after delivery and thus are subject to recall error; birth certificate information is subject to reporting and recording errors. Finally, information on certain behaviors, such as heavy alcohol consumption and cigarette smoking, might be underreported.

Nearly 90% of women in this study population received their PPCV and thus potentially had an opportunity to address health concerns with their health-care providers, including concerns that first became apparent during their pregnancies and those related to ongoing health maintenance. Among women who typically have lower use of or access to health care (e.g., those with  $\leq 8$  years of education and those who do not receive prenatal care), the prevalence of PPCVs was substantially lower. Under current AAP and ACOG recommendations, all women should be

encouraged to receive a PPCV 4–6 weeks postpartum, and the importance of this visit should be communicated to women before their discharge from the hospital after delivery. Monitoring PPCV should be expanded and standardized, and data collected during these visits should be used to guide health-care–system planning. Understanding who is at risk for not receiving PPCVs is a first step in developing targeted messages for women, clinicians, and public health practitioners to encourage the receipt of PPCVs.

#### Acknowledgments

The findings in this report are due in part, to contributions by members of the PRAMS Working Group and the CDC PRAMS Team, Div of Reproductive Health, CDC.

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# Evaluation of Results from Occupational Tuberculin Skin Tests — Mississippi, 2006

In October 2006, the National Institute for Occupational Safety and Health (NIOSH) received a request for a health hazard evaluation from a fire department in Mississippi. In June 2006, the fire department had administered two-step tuberculin skin tests (TSTs) and determined that nine firefighters tested positive for tuberculosis (TB) infection. Local investigation had identified no source of TB infection. The NIOSH evaluation was conducted to 1) determine whether TB transmission was occurring among department firefighters, 2) assess the accuracy of positive TST results, and 3) make recommendations regarding administration of future fire department TB-testing programs. This report describes the results of that evaluation, which indicated that all nine firefighters had false-positive TST findings, likely caused by errors in interpretation of the test results. These results highlight the importance of conducting TB testing only when indicated by TB risk assessment and following CDC guidelines to avoid errors in TST administration and interpretation that might result in unnecessary medical evaluation and follow-up (1).

The fire department had instituted TSTs in June 2006 to comply with National Fire Protection Association guidelines that recommend annual TSTs for all firefighters. Testing was conducted by the same local hospital that administered occupational medical examinations for the fire department. Nine (9%) of 101 firefighters had positive TST results, using the Mississippi state criteria of  $\geq$ 10 mm induration as indicative of a positive test for TB infection.\*

The nine firefighters were evaluated by interview for symptoms consistent with TB disease, and chest radiographs were administered by Mississippi Department of Health District 6 medical personnel; no cases of TB disease were identified among the firefighters. All nine firefighters had latent tuberculosis infection (LTBI) diagnosed and were evaluated for isoniazid therapy. Five of the nine firefighters began isoniazid therapy; the four others either refused therapy or stopped soon after starting. No source of TB exposure was identified. However, because no reason for the positive TSTs among the firefighters was identified, the community continued to be concerned about possible ongoing TB transmission.

In October 2006, the fire department asked NIOSH to conduct a health hazard evaluation. State and district TB program personnel told NIOSH that the annual incidence of TB disease in the area served by the fire department was 2.5 cases per 100,000 population during 2005–2006. In

<sup>\*</sup> With TSTs, tuberculin is placed intradermally, and results are read 48–72 hours later. Induration is measured in millimeters along the horizontal axis of the forearm. CDC recommends two-step baseline testing (or a single blood assay for *M. tuberculosis*) for: health-care workers upon hire who are in low- or mediumrisk categories for TB infection (1); and for residents admitted to long-term–care facilities (2). In two-step testing, a TST is administered, and results are interpreted 48–72 hours later. If the result is positive, the person is evaluated for potential TB disease; if negative, a second TST is administered after 1–3 weeks and interpreted 48–72 hours later. If the second test is negative, the person likely is not infected; if positive, this "boosted" reaction might have resulted from various possibilities, including TB infection that occurred several years previously. Persons with positive TST results (on either a first or second test) should be deferred from future TST testing and evaluated annually via interview or questionnaire for symptoms of potential TB disease (1).

comparison, annual incidence in the state overall was 3.9 per 100,000, and U.S. incidence was 4.6 per 100,000 (S Quilter, MS, Mississippi State Dept of Health, personal communication, 2007).

The nine firefighters with positive TST results were interviewed by NIOSH personnel to assess their personal and occupational risk factors for TB exposure and infection; no risk factors for TB were identified. No firefighters were foreign born, and none had known or suspected past contact with a person infected with TB disease. Foreign travel among the nine firefighters was limited to brief vacations in resort areas or remote military service. No firefighters reported a history of positive TSTs.

Four months after the two-step TSTs were administered, on October 27, blood samples were collected from all nine firefighters for QuantiFERON<sup>®</sup>-TB Gold (QFT-G) (Cellestis Limited, Carnegie, Victoria, Australia) testing to measure immune reactivity to *Mycobacterium tuberculosis*. All QFT-G test results from blood samples collected from the nine firefighters were negative.

Medical staff members at the local hospital who administered the firefighter two-step TSTs were interviewed to compare their protocols with CDC guidelines (1,3). Three of the nine firefighters had positive results after their first TST. The other six firefighters had negative results after placement of their first TST; however, among these six firefighters, results from their first TST had not been read until 9-21 days after placement, instead of the recommended 48-72 hours, which likely accounted for their interpretation as negative TSTs. The second TST in these six firefighters was read within 48-72 hours and interpreted as positive. Interviewers further determined that hospital staff members had misinterpreted application of the state's alternate two-step schedule. According to state officials, this schedule is to be used primarily for home-health-care patients and nursing-home residents to lower costs (i.e., by reducing visits from four to three through reading the first test and placing the second test on the same visit) but still allow detection of "booster" effects; the schedule is not intended for use with employee surveillance programs (S Quilter, MS, Mississippi State Dept of Health, personal communication, 2007).

Other TST irregularities occurred. Medical personnel read TST induration along the vertical axis of the forearm, instead of the horizontal axis. In addition, the hospital had traditionally used Tubersol<sup>®</sup> brand of tuberculin for TSTs. However, in 2006, purchasing officials switched to Aplisol<sup>®</sup> brand of tuberculin, which was used to administer the twostep TSTs to the firefighters. CDC guidelines recommend the consistent use of one brand of tuberculin (*1*); changes in tuberculin antigen have resulted in misreading of results that were erroneously reported as a health-care-associated outbreak (4). These firefighters were the first occupational group to receive TST in this specific hospital department since the change to Aplisol was instituted. TSTs conducted among employees in another hospital department using Aplisol revealed no increase in positive test results.

To explore the effects that different tuberculin brands and interpretation errors might have had in the falsepositive TST results and to make recommendations regarding future TSTs for these firefighters, seven of nine available firefighters were retested with Tubersol brand tuberculin as part of the NIOSH evaluation; one firefighter was no longer employed at the department, and one refused testing. All seven firefighters tested negative. Investigators concluded that the false-positive results from the hospital-administered TSTs likely were the result of interpretation errors resulting from the change in tuberculin used and inexperience in interpreting TST results. As a result of the NIOSH evaluation, the five firefighters who were still receiving isoniazid for LTBI discontinued their medication. Because the hospital-administered TSTs were false-positives, these firefighters are eligible to receive future TSTs and should not be deferred from future testing on the basis of having a previous positive test result.

**Reported by:** *EH Page, MD, RJ Driscoll, PhD, Div of Surveillance, Hazard Evaluations, and Field Studies National Institute for Occupational Safety and Health; JD Gibbins, DVM, EIS Officer, CDC.* 

Editorial Note: Occupational groups such as firefighters, health-care workers, and military personnel often receive periodic TB tests because of potential occupational exposure to TB disease. An estimated 1.1 million firefighters in the United States are at risk for TB exposure while performing first-responder duties (5). In addition, firefighters live in close quarters while on duty, and living conditions might facilitate rapid spread of TB among coworkers. Therefore, the National Fire Protection Association recommends an annual TST for firefighters (6).<sup>†</sup> Fire department compliance with this consensus-based standard is not legally required; however, many departments use this guidance to develop their occupational examination requirements. CDC guidelines recommend that a facility TB-risk assessment be conducted annually for groups at risk for TB infection and that frequency of TB testing be based on the results of that assessment (1).

<sup>&</sup>lt;sup>†</sup> For those firefighters who also perform emergency medical services duties (and not other firefighters), CDC recommends baseline two-step TST or QFT-G testing at the time of hire, and subsequent TB testing at a frequency determined by TB risk assessment.

The investigation described in this report highlights the importance of conducting TB risk-assessment and treatment programs according to CDC guidelines and using targeted testing at a frequency based on a TB risk assessment. When TST administration is indicated, administrators should 1) interpret TST results 48-72 hours after placement to avoid potential false-negative results; 2) for routine, serial testing, avoid switching brands of tuberculin, which might create potential interpretation errors and false-positive results; 3) interpret test results in millimeters along the horizontal axis of the forearm to help ensure consistency among TST readers; 4) follow manufacturer guidelines for storage and use of tuberculin products; 5) document lot number, brand name, and manufacturer of tuberculin; and 6) receive training to distinguish induration from erythema. Finally, if higher numbers of positive TST results than expected are encountered, potential causes of false-positive results should be explored concurrent with the evaluation of patients for TB disease. False-positive TST results increase medical costs and expose persons to unnecessary medication that can have serious side effects.

The findings in this report are subject to at least one limitation. Five firefighters were still receiving isoniazid therapy for LTBI at the time of QFT-G testing. The effect of isoniazid prophylaxis on T-cell response and gammainterferon (INF-gamma) production, which is the basis for the QFT-G test, is equivocal (7). Concurrent isoniazid therapy might have played a role in the negative test results of these firefighters; however, their low risk for TB infection and subsequent negative TST results using Tubersol provide strong evidence that these firefighters had never been infected with *M. tuberculosis*.

QFT-G is an alternative to TSTs in TB testing programs. Advantages of QFT-G include the following: 1) greater specificity than TSTs can be achieved with similar sensitivity; 2) test results are not affected by previous bacille Calmette-Guérin vaccination against TB; 3) two-step testing is not required; and 4) only a single office visit is required, with results available in 24 hours (8). A discussion of the advantages and disadvantages of using QFT-G has been published (9).

As a result of the pseudoconversions described in this report, the fire department strengthened its infectioncontrol and respiratory-protection programs. Health-care professionals should conduct periodic training and evaluation of their TB testing programs to ensure that CDC guidelines are followed.

#### Acknowledgments

This report is based, in part, on contributions by A Turk, R James, MD, Mississippi Dept of Health, District 6; BP Bernard, MD, TR Hales, MD, AL Tepper, PhD, E Galloway, Div of Surveillance, Hazard Evaluations, and Field Studies; B MacKenzie, Div of Applied Research and Technology, National Institute for Occupational Safety and Health, CDC.

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# Interim Recommendations for the Use of Haemophilus influenzae Type b (Hib) Conjugate Vaccines Related to the Recall of Certain Lots of Hib-Containing Vaccines (PedvaxHIB® and Comvax®)

On December 19, this report was posted as an MMWR Dispatch on the MMWR website (http://www.cdc.gov/mmwr).

On December 13, 2007, Merck & Co., Inc. (West Point, Pennsylvania) announced a voluntary recall of certain lots of two *Haemophilus influenzae* type b (Hib) conjugate vaccines, PedvaxHIB<sup>®</sup> (monovalent Hib vaccine) and Comvax<sup>®</sup> (Hib/hepatitis B vaccine). Providers should return unused vaccine from these recalled lots using procedures outlined on the Merck website at http://www.merckvaccines.com/ PCHRecall.pdf. Additional information regarding the affected lots is available online from the Food and Drug Administration (FDA) at http://www.fda.gov/consumer/ updates/hib121307.html. Merck has suspended production of its Hib conjugate vaccines and does not expect to resume distribution of these vaccines until the fourth quarter of 2008. The recall of PedvaxHIB and Comvax and suspension of production are expected to result in short-term disruption to the Hib vaccine supply in the United States.

Merck issued this voluntary recall as a precautionary measure because the company cannot assure the sterility of equipment used during manufacture of these lots. However, the potency of the vaccine in the recalled lots was not affected, and Merck reported that no contamination of vaccine has been detected. Therefore, children who received Hib conjugate vaccine from the recalled lots do not need revaccination or any special follow-up.

Two other Hib conjugate vaccines manufactured by Sanofi Pasteur (Swiftwater, Pennsylvania) and currently licensed and available for use in the United States, ActHIB<sup>®</sup> (monovalent Hib vaccine) and TriHIBit<sup>®</sup> (diphtheria and tetanus toxoids and acellular pertussis [DTaP]/Hib vaccine), are unaffected by the recall. However, Sanofi Pasteur likely will not be able to immediately provide adequate Hib vaccine to vaccinate fully all children for whom the vaccine is recommended (*I*).

The recommended vaccination schedule for all available Hib-containing vaccines consists of a primary series (consisting of 2 or 3 doses, depending on the formulation) administered beginning at age 2 months and a booster dose at age 12-15 months (1). Because of the short-term reduction in available doses of Hib-containing vaccines, CDC, in consultation with the Advisory Committee on Immunization Practices (ACIP), the American Academy of Family Physicians, and the American Academy of Pediatrics, recommends that providers temporarily defer administering the routine Hib vaccine booster dose administered at age 12-15 months except to children in specific groups at high risk, which are described in this report. Providers should register and track children for whom the booster dose is deferred to facilitate recalling them for vaccination when supply improves.

Sustained high levels of coverage with Hib conjugate vaccine have resulted in a substantial decline in the incidence of Hib disease in the United States (2). In 2006, the incidence of Hib disease in children aged <5 years was 0.21 per 100,000, representing a greater than 99% reduction in disease compared with incidence in the prevaccine era (3). Population immunity is a result of direct protection of children by vaccination with Hib vaccine and herd immunity resulting from prevention of nasopharyngeal carriage and interruption of Hib transmission (4). Short-term deferral of the booster dose among children aged 12–15 months is not likely to result in an increased risk for Hib disease because of continued protection of children with the primary series and the low level of nasopharyngeal carriage and transmission achieved in the United States by the Hib immunization program.

The vaccines affected by the recall, PedvaxHIB and Comvax, contain Hib capsular polysaccharide (i.e., polyribosylribitol phosphate [PRP]) covalently linked to a meningococcal outer membrane protein (OMP) carrier. The two unaffected vaccines, ActHIB and TriHIBit, are PRPtetanus toxoid (PRP-TT) conjugate Hib vaccines. PedvaxHIB and Comvax are recommended as a 2-dose primary series (at ages 2 and 4 months), whereas ActHIB is recommended as a 3-dose primary series (at ages 2, 4, and 6 months). ActHIB and PedvaxHIB also are licensed for the 12-15 month booster dose. TriHIBit is licensed only for the 12-15 month booster dose. Children who are not at increased risk for Hib disease, as described in this report, and who received PRP-OMP vaccines for only the first or second dose of their routine primary series may be administered PRP-TT to complete the primary series. In these children, a total of 3 doses will complete the primary series. Children who are behind schedule should complete the primary series according to age-appropriate recommendations (1).

Certain children are at increased risk for Hib disease, including children with asplenia, sickle cell disease, human immunodeficiency virus infection and certain other immunodeficiency syndromes, and malignant neoplasms (5). CDC recommends that providers continue to vaccinate these children with available Hib conjugate vaccines according to the routinely recommended schedules, including the 12–15 month booster dose. PedvaxHIB (if available), ActHIB, and TriHIBit may be used for the booster doses for these children during this shortage. Hib vaccines also are recommended for use in prophylaxis for susceptible close contacts of patients with Hib disease. CDC recommends that providers continue to vaccinate close contacts according to published guidelines (5).

American Indian/Alaska Native (AI/AN) children also are at increased risk for Hib disease, particularly in the first 6 months of life (5). Before the use of Hib conjugate vaccines, the incidence of Hib disease among young AI/AN children in AI/AN communities was approximately 10 times higher than among children of comparable age in the

general population (5). Compared with PRP-TT conjugate vaccines, the administration of PRP-OMP vaccines leads to a more rapid seroconversion to protective antibody concentrations within the first 6 months of life (6,7). Failure to use PRP-OMP vaccines for the first dose is associated with excess cases of Hib disease in AI/AN infants living in communities where Hib transmission is ongoing and exposure to colonized persons is likely (8). Although PRP-OMP and PRP-TT vaccines are equally effective after completion of the primary series, availability of more than one Hib vaccine in a clinic could lead to administration of the wrong vaccine for the first dose in these populations (5). For these reasons, CDC recommends that providers who currently use PRP-OMP-containing Hib vaccines (PedvaxHIB and Comvax) to serve predominantly AI/AN children in AI/AN communities continue to stock and use only PRP-OMP- containing Hib vaccines not affected by the recall and vaccinate according to the routinely recommended schedules, including the 12-15 month booster dose. In its vaccine stockpile, CDC has PRP-OMPcontaining Hib vaccines not affected by the recall and will prioritize distribution of available PRP-OMP vaccines for use in AI/AN communities. AI/AN children not in AI/AN communities or who already receive PRP-TT conjugate vaccines should continue to be vaccinated with available vaccines according to the routinely recommended schedules, including the 12-15 month booster dose.

Limitations of the vaccine supply underscore the importance of surveillance for Hib disease in children and serotyping of *H. influenzae* isolates. ACIP recommends that public health practitioners conduct thorough and timely investigations of all cases of Hib disease. To maximize the amount of available vaccine, providers should order only the number of doses of vaccine required to meet immediate needs (i.e., a supply for up to 4 weeks) and should refrain from attempting to build an inventory of Hib vaccine. CDC, ACIP, and other partners will continue to monitor the supply of available Hib vaccines and the epidemiology of Hib disease and provide updates when available. FDA and CDC will continue to monitor the safety of Hib vaccines. Any adverse events that are potentially vaccine-related should be reported to the Vaccine Adverse Event Reporting System (VAERS) by telephone (800-822-7967) or online (http://www.vaers.hhs.gov). Additional information regarding Hib vaccine is available at http:// www.cdc.gov/vaccines/vpd-vac/hib/default.htm. Updates on vaccine supply are available at http://www.cdc.gov/ vaccines/vac-gen/shortages/default.htm#chart.

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#### Notice to Readers

### Potential Exposure to Attenuated Vaccine Strain Brucella abortus RB51 During a Laboratory Proficiency Test — United States, 2007

On November 27, 2007, CDC was notified by New York State Department of Heath (NYSDOH) officials of potential Brucella abortus RB51 (RB51) exposures to laboratorians at a state laboratory from an isolate used in a recent Laboratory Preparedness Survey (LPS). RB51 is an attenuated vaccine strain of *B. abortus* used to vaccinate cattle against brucellosis; human illness is known to have resulted from RB51 vaccine-related exposures (1). The LPS is a voluntary proficiency-testing program developed jointly by the College of American Pathologists (CAP), Association of Public Health Laboratories (APHL), and CDC. The program is designed to exercise protocols for "rule-out" or 'referral" of potential bioterrorism agents. During the October-November LPS exercise, 1,316 laboratories participated. Written LPS instructions instructed laboratories to handle and manipulate all samples under a Class II Biological Safety Cabinet (Class II BSC), using Biological Safety Level 3 (BSL3) primary barriers. The reported exposures occurred when an LPS RB51 specimen was mislabeled as a routine patient specimen and was submitted by an LPS

participating laboratory to the New York state bacteriology laboratory. As a result, routine benchtop procedures were used to handle the isolate by NYSDOH lab personnel outside of the Class II BSC, resulting in 24 laboratorians with potential exposure to RB51. After this incident, NYSDOH contacted all New York LPS-participating laboratories to determine whether other exposures had occurred. Of the participating laboratories contacted, 80% had performed at least one procedure outside of the Class II BSC, despite the LPS written instructions outlining appropriate biosafety handling practices.

CDC was consulted and recommended that those laboratorians who conducted procedures with exposures placing them at high risk receive postexposure prophylaxis. The findings in New York also raised concern that participating laboratories outside of the state might not have followed all prescribed biosafety instructions, possibly exposing other laboratory personnel to RB51. CDC is collaborating with CAP, APHL, and public health officials to 1) determine exposure risk in participating laboratories, 2) provide interim guidance on risk assessment and postexposure prophylaxis recommendations, 3) identify any illnesses associated with potential RB51 exposures among laboratorians participating in the LPS, and 4) identify follow-up actions and the need for additional guidance (e.g., education or training).

During December 3–10, 2007, CDC took steps to provide information regarding the RB51 incident to public health officials. State public health officials were notified via a broadcast e-mail and through an alert on the *Epidemic Information Exchange (Epi-X)*. National conference calls were conducted with state public health laboratory directors and state epidemiologists to provide interim guidance on risk assessment and postexposure prophylaxis recommendations. Formal notification was sent by overnight letter from CAP to all participating LPS laboratories. Laboratories were recommended to review their biosafety practices during handling of RB51 specimens and report breaches in biosafety practices to their local public health officials for risk determination and recommendations. A set of questions was distributed to facilitate review of biosafety practices used during the LPS to identify potentially exposed persons. Laboratories were advised to ensure their ability to comply with standard biosafety protocols as defined in *Biosafety in Microbiological and Biomedical Laboratories, 5th Edition*<sup>\*</sup> and to take steps to avoid specimen handling errors. To date, CDC has not learned of any illness consistent with brucellosis in any laboratory staff member potentially exposed to an LPS RB51 isolate.

For information regarding risk assessments and postexposure prophylaxis recommendations for potentially exposed persons, laboratories can contact state or local health officials. Information regarding *B. abortus* RB51 is available at the CDC Bacterial Zoonoses Branch, telephone 404-639-1711, or the CDC brucellosis website.<sup>†</sup> Public health officials can access updated information and risk assessment tools in *Epi-X* forum, "Brucella abortus/RB51 Exposure." Specific questions regarding the LPS can be directed to the CAP website<sup>§</sup> or hotline, 800-443-3244. Questions regarding laboratory biosafety procedures can be directed to the CDC Laboratory Response Network, by e-mail, lrn@cdc.gov, or telephone, 866-576-5227.

#### Reference

1. Ashford D, di Pietra J, Lingappa J, et al. Adverse events in humans associated with accidental exposure to the livestock brucellosis vaccine RB51. Vaccine 2004;22:3435–9.

<sup>\*</sup> Available at http://www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

<sup>&</sup>lt;sup>†</sup> Available at http://www.cdc.gov/ncidod/dbmd/diseaseinfo/brucellosis\_g.htm# recommendations.

<sup>&</sup>lt;sup>§</sup>Available at http://www.cap.org/apps/cap.portal.

**QuickStats** FROM THE NATIONAL CENTER FOR HEALTH STATISTICS Estimated Percentage\* of Women Aged >40 Years Who Received a Mammogram During the Preceding 2 Years, by Poverty Status<sup>†</sup> — National Health Interview Survey, United States, 2005 80 70 60 50 Percentage 40 30 20 10 0 Total Poor Near poor Nonpoor Poverty status \* Estimates by poverty status were age adjusted using the 2000 U.S. standard population and four age groups: 40-49, 50-64, 65-74, and  $\geq$ 75 years. Estimates were based on household interviews of a sample of the noninstitutionalized, U.S. civilian population. <sup>†</sup> Poor was defined as annual household income <100% of the poverty threshold, near poor as 100%–199%, and nonpoor as ≥200%, based on U.S. Bureau of the Census thresholds. §95% confidence interval. In 2005, approximately 67% of women aged ≥40 years reported they had received a mammogram during the preceding 2 years. This percentage increased with household income level and ranged from 49% for women categorized as poor to 72% for women categorized as nonpoor.

**SOURCES:** National Health Interview Survey, 2005, available at http://www.cdc.gov/nchs/nhis.htm. *Healthy People 2010* database, available at http://wonder.cdc.gov/data2010.

TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending December 15, 2007 (50th Week)\*

	Current	Cum	5-year weekly	Total cases reported for previous years							
Disease	week	2007	average <sup>†</sup>	2006	2005	2004	2003	2002	States reporting cases during current week (No.)		
Anthrax	_	_	_	1	_	_	_	2			
Botulism:											
foodborne	—	17	1	20	19	16	20	28			
infant	_	78	2	97	85	87	76	69			
other (wound & unspecified)	_	20	1	48	31	30	33	21			
Brucellosis	2	116	3	121	120	114	104	125	FL (2)		
Chancroid	2	32	1	33	17	30	54	67	NY (2)		
Cholera	_	7	0	9	8	6	2	2			
Cyclosporiasis§	_	93	2	136	543	160	75	156			
Diphtheria	_	_	_	_	_	_	1	1			
Domestic arboviral diseases <sup>§.1</sup> :		10		07	00		100	101			
California serogroup	_	42	1	67	80	112	108	164			
eastern equine	_	4	0	8	21 1	6 1	14	10 1			
Powassan St. Louis	_	1 6	0	1 10	13	12	41	28			
western equine	_	0	0	10	13	12	41	28			
Ehrlichiosis <sup>§</sup> :	_	_	_	_	_	_	_	_			
human granulocytic	7	494	31	646	786	537	362	511	NY (7)		
human monocytic	5	668	15	578	506	338	321	216	NY (3), OH (1), FL (1)		
human (other & unspecified)	1	152	1	231	112	59	44	23	CA (1)		
Haemophilus influenzae,**		102		201	112	00		20	SA(I)		
invasive disease (age <5 yrs):											
serotype b	_	17	1	29	9	19	32	34			
nonserotype b	_	134	4	175	135	135	117	144			
unknown serotype	1	185	5	179	217	177	227	153	AZ (1)		
Hansen disease <sup>§</sup>	_	59	3	66	87	105	95	96			
Hantavirus pulmonary syndrome§	1	28	1	40	26	24	26	19	WA (1)		
Hemolytic uremic syndrome, postdiarrheal§	2	213	7	288	221	200	178	216	CT (1), NC (1)		
Hepatitis C viral, acute	10	689	29	802	652	713	1,102	1,835	OH (1), MD (2), NC (1), WA (1), CA (5)		
HIV infection, pediatric (age <13 yrs) <sup>††</sup>	—	_	5	52	380	436	504	420			
Influenza-associated pediatric mortality §.§§	_	76	0	43	45	_	N	N			
Listeriosis	7	670	18	875	896	753	696	665	NC (1), TX (4), WA (2)		
Measles <sup>11</sup>	—	28	1	55	66	37	56	44			
Meningococcal disease, invasive***:											
A, C, Y, & W-135	1	258	8	318	297	_	—	—	FL(1)		
serogroup B	1	126	7	193	156	—	_	_	OK (1)		
otherserogroup	_	30	1	32	27	—	—	—			
unknown serogroup	5	541	20	651	765				MD (2), FL (1), OR (1), CA (1)		
Mumps	3	694	19	6,584	314	258	231	270	ME (2), NV (1)		
Novel influenza A virus infections	_	4 6	0	N 17	N 8	N 3	N	N 2			
Plague Poliomyelitis, paralytic	_	0	0	17	0 1	3	1				
Poliovirus infection, nonparalytic <sup>§</sup>		_	_	N	Ň	N	N	N			
Psittacosis <sup>§</sup>	_	9	0	21	16	12	12	18			
Q fever <sup>§</sup>	1	161	2	169	136	70	71	61	NY (1)		
Rabies, human	_		0	3	2	7	2	3			
Rubella <sup>†††</sup>	_	11	Õ	11	11	10	7	18			
Rubella, congenital syndrome	_		_	1	1		1	1			
SARS-CoV <sup>§,§§§</sup>	_	_	_	_	_	_	8	Ň			
Smallpox <sup>§</sup>	_	_	_	_			_				
Streptococcal toxic-shock syndromes	4	96	3	125	129	132	161	118	IN (3), NE (1)		
Syphilis, congenital (age <1 yr)	1	443	9	380	329	353	413	412	SC (1)		
Tetanus	_	19	1	41	27	34	20	25			
Toxic-shock syndrome (staphylococcal)§	1	76	3	101	90	95	133	109	CA(1)		
Trichinellosis	_	7	1	15	16	5	6	14			
Tularemia	_	111	3	95	154	134	129	90			
Typhoid fever	1	310	6	353	324	322	356	321	CT (1)		
Vancomycin-intermediate Staphylococcus aure		21	0	6	2	—	N	N			
Vancomycin-resistant Staphylococcus aureus§			0	1	3	1	N	N			
Vibriosis (noncholera Vibrio species infections)	§ 7	347	4	N	N	N	N	N	NY (1), FL (3), WA (3)		
Yellow fever		_	0	_	_	_	_	1			

No reported cases

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**††** 

§§ has been reported. A total of 73 cases were reported for the 2006–07 influenza season.

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No measles cases were reported for the current week. Data for meningococcal disease (all serogroups) are available in Table II. 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. §§§

(50th Week)*	Chlamydia <sup>†</sup>							ioidomyo	cosis		Cryptosporidiosis				
			vious	0				vious				Prev	vious		•
Reporting area	Current week	52 v Med	<u>veeks</u> Max	Cum 2007	Cum 2006	Current week	52 v Med	veeks Max	Cum 2007	Cum 2006	Current week	52 w Med	veeks Max	Cum 2007	Cum 2006
United States	11,982	20,763	25,392	995,251	985,253	121	145	658	7,365	7,927	44	83	980	10,080	5,400
New England Connecticut Maine <sup>§</sup> Massachusetts New Hampshire Rhode Island <sup>§</sup> Vermont <sup>§</sup>	527 — 418 41 54 14	705 223 50 305 38 63 19	1,357 829 74 668 73 106 45	33,772 9,791 2,407 15,736 2,002 2,998 838	32,852 9,903 2,203 14,661 1,931 3,014 1,140	N  -  - N	0 0 0 0 0 0	1 0 0 1 0 0	2 N  2 N	N  -  -   N	1   - 1	4 0 1 2 1 0 1	40 40 5 11 5 3 3	304 40 51 107 51 11 44	373 38 50 173 47 14 51
<b>Mid. Atlantic</b> New Jersey New York (Upstate) New York City Pennsylvania	2,093 208 870 1,015 —	2,768 401 537 974 799	4,284 526 2,758 1,970 1,800	139,053 19,565 27,143 48,292 44,053	121,538 19,537 24,039 40,079 37,883	N N N N	0 0 0 0	0 0 0 0	N N N N	N N N N	1 1 —	10 0 3 1 5	113 6 20 7 103	1,286 41 236 90 919	643 42 167 151 283
<b>E.N. Central</b> Illinois Indiana Michigan Ohio Wisconsin	976 559 209  72 136	3,253 1,007 398 706 801 371	6,210 1,469 646 1,024 3,633 449	162,895 48,614 19,760 34,292 42,575 17,654	163,307 51,689 19,115 34,774 38,117 19,612	  N	1 0 0 0 0	3 0 3 1 0	33 — 22 11 N	43  37  6 N	6  4 1	20 2 3 5 7	131 13 14 11 61 59	1,699 151 114 182 558 694	1,307 194 99 142 345 527
W.N. Central lowa Kansas Minnesota Missouri Nebraska <sup>§</sup> North Dakota South Dakota	384 119  210  55	1,199 160 151 253 467 93 27 49	1,465 252 294 298 551 183 61 82	57,156 8,346 7,000 11,703 22,293 3,956 1,355 2,503	59,723 8,096 7,590 12,542 22,065 5,148 1,737 2,545	1 N 1 N N N	0 0 0 0 0 0 0	54 0 54 1 0 0	9 N N 9 N N 9 N N N N	2 N 2 N N N	7 5 1 	15 3 2 3 2 1 0 2	126 62 16 34 13 21 11 16	1,587 610 151 295 175 164 26 166	847 174 80 215 187 96 9 86
S. Atlantic Delaware District of Columbia Florida Georgia Maryland <sup>§</sup> North Carolina South Carolina <sup>§</sup> Virginia <sup>§</sup>	4,543 110 117 1,426 14 386 546 1,383 550 11	3,815 65 111 1,190 640 398 493 508 485 64	6,760 140 166 1,767 3,822 696 1,905 3,030 628 92	191,589 3,372 5,545 56,724 24,288 19,388 25,202 30,592 23,559 2,919	189,837 3,470 3,203 47,341 34,491 20,807 32,615 21,978 23,124 2,808	Z Z     Z Z Z	0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 0 0 0	3    N 3   N N N	5     N N 5   N N N N N	$     \begin{array}{c}       17 \\       - \\       11 \\       1 \\       - \\       4 \\       1 \\       - \\   $	20 0 10 4 0 1 1 1 0	69 4 2 35 22 2 18 15 5 5	1,217 20 3 652 228 30 125 80 68 11	1,168 15 16 542 272 20 96 129 66 12
E.S. Central Alabama <sup>§</sup> Kentucky Mississippi Tennessee <sup>§</sup>	686 45 138 — 503	1,532 472 155 359 516	2,162 590 357 959 722	75,315 22,572 8,324 18,123 26,296	74,053 22,287 8,854 18,339 24,573	N N N	0 0 0 0	0 0 0 0	N N N N	N N N N	2 2 	4 1 1 0 1	63 14 40 11 19	598 121 246 97 134	183 71 42 24 46
<b>W.S. Central</b> Arkansas <sup>§</sup> Louisiana Oklahoma Texas <sup>§</sup>	601 314 52 235	2,348 174 381 256 1,545	3,006 328 851 467 2,065	115,250 9,306 18,583 12,243 75,118	110,507 7,918 17,278 12,254 73,057	N 	0 0 0 0	1 0 1 0 0	2 N 2 N N	1 N 1 N	2  _2 	4 0 1 1 1	41 8 4 11 29	362 32 57 120 153	395 25 86 41 243
Mountain Arizona Colorado Idaho <sup>§</sup> Montana <sup>§</sup> Nevada <sup>§</sup> New Mexico <sup>§</sup> Utah Wyoming <sup>§</sup>	406 53 124 3  13 205 8	1,255 479 202 56 42 176 152 108 23	1,642 834 380 252 73 293 395 209 35	60,205 21,372 10,108 3,483 1,950 8,797 7,877 5,481 1,137	68,069 22,581 15,866 3,097 2,554 8,188 9,596 4,807 1,380	103 103 N N 	98 95 0 0 1 0 1 0	293 293 0 0 5 2 7 1	4,890 4,747 N N 58 18 64 3	5,266 5,126 N N 62 21 55 2	7 2 1 2 — —	8 1 2 1 1 0 2 0 0	580 6 26 71 7 3 9 499 8	2,899 51 208 452 70 17 110 1,937 54	402 29 74 38 136 14 43 18 50
Pacific Alaska California Hawaii Oregon <sup>§</sup> Washington	1,766 73 1,397  200 96	3,368 86 2,686 109 160 221	4,362 157 3,627 134 394 621	160,016 4,140 129,895 5,210 8,535 12,236	165,367 4,291 129,443 5,418 9,169 17,046	17 N 17 N N N	40 0 40 0 0	311 0 311 0 0 0	2,426 N 2,426 N N	2,610 N 2,610 N N N	1 1  	2 0 0 2 0	16 2 0 16 0	128 4 — 124 —	82 4  74 
American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands	2 284 	10 	32 — 34 622 10	95  670 7,648 150	46 	N  N	0 0 0 0	0 0 0 0	N 	N  -     	 N	0 0 0 0	0 0 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 2007 are provisional. Data for HIV/AIDS, AIDS, and TB, when available, are displayed in Table IV, which appears quarterly. Chamydia refers to genital infections caused by *Chlamydia trachomatis*. S Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

			Giardiasi	s			-	ionorrhe	a		Hae	<i>Haemophilus influenzae</i> , invasive All ages, all serotypes <sup>†</sup>			
	Current	Prev 52 w	eeks	Cum	Cum	Current	52	evious weeks	Cum	Cum	Current	52 v	vious veeks	Cum	Cum
Reporting area	164	Med 302	Max	2007	2006	week	Med	Max	2007	2006	week 15	Med 42	Max	2007	2006
United States New England	104	24	1,513 54	16,521 1,316	17,125 1,407	3,703 72	6,757 109	8,941 259	323,893 5,356	342,621 5,551	15	42	184 19	2,132 165	2,200 170
Connecticut	_	6	18	339	294	—	43	204	2,009	2,354	—	0	7	50	44
Maine <sup>§</sup> Massachusetts	_	3 9	10 29	182 521	184 604	 69	2 51	8 128	113 2,655	130 2,328	_	0 1	4	13 74	19 78
New Hampshire Rhode Island§	_	0 0	3 15	27 79	25 113	1 2	2 8	6 15	136 388	178 492	_	0 0	2 10	17 7	14 (
Vermont <sup>§</sup>	_	3	9	168	187		1	5	55	69	_	0	1	4	ç
Mid. Atlantic	26	56 6	127	2,856	3,413	445	687	1,537	35,420	32,298	_	9	27 5	432 61	46
New Jersey New York (Upstate)	23	23	11 108	256 1,130	463 1,238	104 180	114 123	159 1,035	5,733 6,726	5,330 6,027	_	1 3	5 15	127	83 139
New York City Pennsylvania	3	15 13	25 29	762 708	913 799	161	197 247	346 613	9,736 13,225	10,001 10,940	_	2 3	6 10	94 150	83 156
E.N. Central	17	47	84	2,363	2,729	315	1,283	2,586	65,862	67,736	5	5	15	281	370
Illinois Indiana	N	13 0	31 0	652 N	680 N	162 75	371 163	508 307	18,012 8,411	19,441 8,433	1	2 1	6 7	81 58	109 75
Michigan	_	11	20	523	689		292	482	14,297	14,929	—	0	3	26	30
Ohio Wisconsin	15 2	15 7	37 21	798 390	787 573	26 52	355 126	1,565 208	18,978 6,164	18,200 6,733	4	2 0	5 2	102 14	91 65
W.N. Central	4	22	553	1,425	1,731	111	374	514	17,782	18,820	1	3	24	132	152
lowa Kansas	_	5 3	23 11	296 176	288 193	27	37 42	60 86	1,830 1,981	1,882 2,147	_	0 0	1 2	1 9	2 18
Minnesota Missouri	3	0 9	514 23	176 496	487 530	 75	64 196	86 266	3,014 9,487	3,161 9,770	1	0	17 5	60 39	79 35
Nebraska§	1	3	8	155	114		24	200 57	1,140	1,356	_	0	2	18	ę
North Dakota South Dakota	_	0 1	16 6	28 98	22 97	9	2 5	4 11	82 248	147 357	_	0 0	2 0	5	9
S. Atlantic	50	57	106	2,786	2,688	2,001	1,530	3,209	76,650	84,745	5	10	34	548	536
Delaware District of Columbia	_	1 0	6 7	40 34	38 62	43 44	26 47	43 71	1,268 2,224	1,431 1,798	_	0 0	3 1	8 3	-
Florida Georgia	19 18	24 10	47 42	1,226 628	1,090 623	562 8	482 267	717 2,068	23,101 10.074	23,195 17,308	2 1	3 2	8 7	154 110	156 113
Maryland§	2	4	18	239	243	88	115	227	5,855	6,988	2	1	6	82	79
North Carolina South Carolina <sup>§</sup>	3	0 2	0 8	106	103	601 518	314 205	675 1,361	14,440 12,715	16,625 10,148	_	0 1	9 4	51 46	53 38
Virginia <sup>§</sup> West Virginia	8	9 0	22 21	465 48	493 36	134 3	124 17	224 37	6,105 868	6,328 924	_	1 0	23 6	66 28	67 21
E.S. Central	6	10	23	529	445	244	579	860	29,285	30,237	1	2	9	122	111
Alabama <sup>§</sup> Kentucky	2 N	4 0	11 0	244 N	211 N	14 62	201 57	261 161	9,719 3,266	10,337 3,250	_	0 0	3 1	26 2	22 5
Mississippi	Ν	0	0	N	N	_	146	310	6,977	7,235	1	0	2	10	13
Tennessee <sup>§</sup> W.S. Central	4	5	16	285	234	168	182	261	9,323	9,415	_	1	6	84	71
Arkansas <sup>§</sup>	7 4	7 2	55 13	373 112	339 132	150 57	982 77	1,201 123	47,682 3,921	48,832 4,137	2	2 0	34 2	92 8	84 8
Louisiana Oklahoma	3	2 3	11 42	123 138	86 121	11 82	221 95	384 235	10,669 4,702	10,476 4,647	2	0 1	2 29	7 69	21 47
Texas <sup>§</sup>	Ň	0	0	N	N	_	593	745	28,390	29,572	_	0	3	8	8
<b>Mountain</b> Arizona	22 1	32 3	69 11	1,739 187	1,641 160	56 21	245 102	321 167	11,771 4,472	15,015 5,641	1	4 1	11 6	243 86	202 81
Colorado	9	10	26	564	539	_	44	93	2,273	3,606	_	1	4	55	50
Idaho <sup>§</sup> Montana <sup>§</sup>	8 2	3 2	19 8	203 109	185 100	_	4 1	19 48	256 111	192 191	_	0 0	1 1	8 2	-
Nevada <sup>§</sup> New Mexico <sup>§</sup>	2	1 2	7 5	93 106	108 78	_	45 31	87 63	2,208 1,572	2,727 1,691	_	0 1	1 4	8 39	14 32
Utah	—	7 1	33	434	434	35	15	34	804	847	—	0	4	40	14
Wyoming <sup>§</sup> <b>Pacific</b>		61	4 558	43 3,134	37 2,732	309	1 688	5 875	75 34,085	120 39,387	_	0 2	1 16	5 117	ے 114
Alaska	_	1	5	74	107	6	10	27	471	593	_	0	3	13	12
California Hawaii	17	42 0	93 4	2,118 11	2,178 52	269	599 12	734 24	29,691 611	32,464 871	_	0 0	10 1	35 1	30 20
Oregon <sup>§</sup> Washington	1 14	9 8	17 449	436 495	395	29 5	22 41	63 142	1,087 2,225	1,393 4,066	_	1 0	5 5	65 3	52
American Samoa		0	0		Ν	_	0	2	3	2	_	0	0	_	_
C.N.M.I. Guam	_	0	0	_	_	_	2	 13	112	98	_			_	-
Puerto Rico	—	6	21	308	255	10	5	23	310	291	—	0	1	2	3
U.S. Virgin Islands	-	0	0	_	_	_	1	3	39	39	_	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 2007 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).

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Sis           Cum         Cun           2007         2006           2,260         2,659           119         176           38         52           8         10           21         66           8         15           35         22           9         8           714         947           86         118           222         316
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2007         2006           2,260         2,659           119         178           38         56           8         10           21         66           35         22           9         8           714         947           86         118
United States         35         52         201         2,655         3,309         50         79         405         3,817         4,196         25         40         106           New England         1         2         6         111         177         -         1         5         72         115         -         2         13           Connecticut         1         0         3         26         40         -         0         5         29         48         -         0         5           Maine <sup>8</sup> -         0         1         4         8         -         0         2         13         24         -         0         1           Massachusetts         -         1         4         49         83         -         0         1         4         19         -         0         3           New Hampshire         -         0         3         12         22         -         0         1         5         10         -         0         2           Rhode Island <sup>6</sup> -         0         2         12         16         -         0         3         16	2,260 2,655 119 178 38 54 8 10 21 66 8 15 35 22 9 8 714 947 86 118
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	119 177 38 54 8 10 21 66 8 15 35 22 9 8 714 947 86 118
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	38 54 8 11 21 68 8 15 35 22 9 8 714 947 86 118
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	8 10 21 68 8 15 35 22 9 8 714 947 86 118
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	8 15 35 23 9 8 714 947 86 118
Rhode Island <sup>§</sup> — 0 2 12 16 — 0 3 16 10 — 0 6	35 23 9 8 714 947 86 118
Vermont <sup>§</sup> - 0 1 8 8 - 0 1 5 4 - 0 2	714 947 86 118
	86 118
Mid. Atlantic         2         8         21         408         377         2         8         21         422         499         6         13         37           New Jersey          2         6         100         107          1         8         83         157          1         11	222 316
New York (Úpstate)         1         1         11         72         89         2         2         13         86         62         6         4         22           New York City         1         3         9         147         116         —         2         6         89         114         —         2         11	121 185
New York City         1         3         9         147         116         —         2         6         89         114         —         2         11           Pennsylvania         —         2         5         89         65         —         3         8         164         166         —         4         21	285 328
E.N. Central 2 6 13 282 340 4 9 23 412 471 5 9 27	501 594
Illinois — 2 5 96 100 — 2 6 106 127 — 1 12 Indiana — 0 7 29 26 2 0 21 56 54 1 1 7	87 123 53 48
Michigan — 2 5 80 120 — 2 8 104 135 — 3 10	148 148
Ohio         2         1         4         68         52         2         2         7         125         122         4         3         17           Wisconsin         -         0         3         9         42         -         0         3         21         33         -         0         1	203 228 10 47
W.N.Central         4         2         18         168         124         2         3         15         137         136         1         2         9           Iowa          1         4         42         12          0         3         24         20          0         2	102 82 10 12
Kansas — 0 3 9 26 — 0 2 10 11 — 0 1	3 10
Minnesota         —         0         17         69         17         —         0         13         21         18         —         0         6           Missouri         2         0         2         25         42         1         1         5         64         62         1         1         3	28 24 44 22
Nebraska <sup>§</sup> 2 0 2 17 18 - 0 1 11 20 - 0 2	13 9
North Dakota         -         0         3         -         -         1         0         1         1         -         -         0         1           South Dakota         -         0         1         6         9         -         0         1         6         5         -         0         1	4 5
S. Atlantic 7 10 21 483 532 11 19 56 927 1,150 8 7 25	386 467
Delaware         -         0         1         8         13         -         0         2         15         47         -         0         2           District of Columbia         -         0         5         14         8         -         0         1         1         9         -         0         1	8 12 1 33
Florida         2         3         7         150         205         7         7         14         332         394         6         3         10	152 156
Georgia         2         1         4         69         56         1         2         7         122         194         —         0         2           Maryland <sup>§</sup> —         1         5         71         60         1         2         6         108         143         1         1         5	24 37 78 105
North Carolina         2         0         9         62         99         —         0         16         124         148         —         1         4           South Carolina <sup>§</sup> —         0         4         18         24         1         1         4         59         93         —         0         2	44 37
	17 6 44 65
West Virginia — 0 2 9 6 — 0 23 48 50 1 0 4	18 16
E.S. Central         4         2         5         104         120         1         7         14         338         318         1         2         6           Alabama <sup>§</sup> 4         0         3         22         13         —         2         6         117         92         —         0         1	97 109 11 9
Kentucky - 0 2 20 31 - 1 7 71 68 - 1 3	47 48
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- 4 39 47
W.S. Central - 5 43 239 374 15 17 169 852 887 - 2 16	112 77
Arkansas <sup>§</sup> −       0       2       11       45       −       1       7       62       76       −       0       3         Louisiana       −       0       3       29       37       −       1       6       77       59       −       0       1	8 4 4 10
Oklahoma — 0 8 11 9 1 1 38 131 71 — 0 3	6 7
Texas <sup>§</sup> — 4 39 188 283 14 12 135 582 681 — 2 13	94 56
Mountain         4         5         13         244         268         1         3         7         165         137         —         2         6           Arizona         2         4         11         178         167         —         1         4         48         U         —         0         5	104 12 <sup>-</sup> 35 37
Colorado 1 0 3 23 40 - 0 3 31 34 - 0 2	21 27
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 1 <sup>-</sup> 3 6
Nevada <sup>§</sup> 1         0         1         5         11         1         1         3         38         40         —         0         2           New Mexico <sup>§</sup> —         0         2         11         14         —         0         2         11         23         —         0         2	8 10 9 5
Utah - 0 2 7 14 - 0 4 21 23 - 0 3	19 25
Wyoming <sup>§</sup> $-$ 0 1 3 2 $-$ 0 1 3 1 $-$ 0 1	3 –
Pacific         11         12         92         616         997         14         10         106         492         483         4         2         11           Alaska          0         1         4         2          0         2         9         8          0         0	125 84
California         8         10         40         531         941         8         7         31         369         387         3         1         11	94 83
Hawaii — 0 1 1 12 — 0 1 2 8 — 0 0 Oregon <sup>§</sup> — 0 2 28 42 — 1 4 57 80 — 0 1	10 -
Washington 3 1 52 52 — 6 1 74 55 — 1 0 2	21 —
American Samoa         -         0         -         -         0         0         -         -         N         0         0           C.N.M.I.         -         -         -         -         -         -         -         -         N         0         0	N N
Guam — 0 0 — — — 0 0 — — — 0 0	
Puerto Rico         -         1         10         52         66         -         1         9         67         68         -         0         2           U.S. Virgin Islands         -         0         0         -         -         0         0         -         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0         -         -         0         0	5 -

C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date c \* Incidence data for reporting year 2007 are provisional. Data for acute hepatitis C, viral 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.

(50th Week)*		L	.yme disea	ase			Ν	Ialaria			Mei	Meningococcal disease, invasive <sup>†</sup> All serogroups			
	0	Prev		0	0	0		ious	0		0		/ious	0	<u> </u>
Reporting area	Current week	Med	eeks Max	Cum 2007	Cum 2006	Current week	Med 52 W	eeks Max	Cum 2007	Cum 2006	Current week	Med	eeks Max	Cum 2007	Cum 2006
United States	142	270	1,273	20,078	18,800	7	21	105	1,048	1,348	7	20	87	955	1,086
New England	21	40	300	3,483	4,351	_	1	5	51	54	—	1	3	39	50
Connecticut Maine <sup>§</sup>	10 9	13 5	214 61	1,659 492	1,676 292	_	0 0	3 2	2 8	10 4	_	0 0	1	6 7	10 9
Massachusetts	_	1	27	211	1,432	_	0	3	29	26	_	0	2	19	22
New Hampshire Rhode Island <sup>§</sup>	_	8 0	88 74	824 162	614 235	_	0	4 1	8	10 3	_	0 0	1	1 2	4 2
Vermont <sup>§</sup>	2	1	13	135	102	_	Ő	2	4	1	_	Ő	1	4	3
Mid. Atlantic	81	138	640	10,087	9,595	1	5	15	272	355	_	2	8	129	166
New Jersey New York (Upstate)	81	29 54	155 426	2,253 3,288	2,411 3,690	1	0 1	1 5	68	89 45	_	0 1	2 3	18 35	22 36
New York City	_	1	25	191	301	—	3	8	167	172	—	0	4	27	57
Pennsylvania	_	46	315	4,355	3,193		0	4	37	49	_	1	5	49	51
E.N. Central Illinois	1	11 1	168 15	1,523 132	1,691 109	_	2 0	6 6	104 42	160 81	_	3 1	9 3	138 42	169 45
Indiana	_	0	7	44	23	—	0	2	10	12	—	0	4	28	24
Michigan Ohio	_	0 0	6 3	54 19	55 43	_	0 0	2 3	16 27	21 28	_	0 1	3 2	25 34	30 47
Wisconsin	1	10	149	1,274	1,461	—	0	2	9	18	—	0	2	9	23
W.N. Central	1	6	195	678	843	—	0	12	52	61	—	2	5	70	65 19
lowa Kansas	_	1 0	11 2	116 9	97 4	_	0 0	1 1	3 3	2 8	_	0 0	3 1	16 5	19
Minnesota	1	2 0	188	512	725	—	0 0	11 1	29 8	39 6	—	0 0	3 3	22 17	16
Missouri Nebraska§		0	5 2	30 8	5 11	_	0	1	8 6	4	_	0	2	5	15 6
North Dakota South Dakota	_	0	7 0	3		—	0 0	1 1	2 1	1 1	_	0 0	3 1	2 3	1 3
Souri Dakola S. Atlantic	 29	66	180	4,012	2,144	3	4	13	235	329	4	3	11	169	200
Delaware	29	11	34	690	469		0	1	4	5	-	0	1	109	6
District of Columbia Florida	1	0 1	7 11	13 85	59 32		0 1	1 7	3 54	5 58	2	0 1	0 7	62	2 73
Georgia	_	0	1	4	8	_	0	5	32	88	_	0	5	32	18
Maryland <sup>§</sup> North Carolina	16	32 0	113 8	2,235 49	1,203 29	2	1 0	5 4	60 21	79 28	_2	0 0	2 4	22 22	15 32
South Carolina§	_	0	4	27	19	_	0	1	7	10	_	0	2	14	24
Virginia <sup>§</sup> West Virginia	8 1	14 0	62 14	830 79	311 14	_	1 0	6 1	52 2	54 2	_	0 0	2 2	14 2	21 9
E.S. Central	_	1	5	51	35	1	1	3	35	24	_	1	4	47	45
Alabama§	_	0	3	13	11	1	0	1	6	9	_	0	2	9	7
Kentucky Mississippi	_	0	2 1	5 1	7 3	_	0 0	1	8 2	4 6	_	0 0	2 4	12 10	11 5
Tennessee§	—	0	4	32	14	_	0	2	19	5	—	Ō	2	16	22
W.S. Central	1	1	6	69	25	_	1	29	78	96	1	1	15	92	92
Arkansas <sup>§</sup> Louisiana	_	0 0	1	1 2	1	_	0 0	1 2	2 14	4 8	_	0 0	2 4	9 26	11 36
Oklahoma Tayaas	1	0	0 6	66	24	_	0 1	3 25	5 57	7 77	1	0 1	4 11	17 40	11 34
Texas <sup>§</sup>	I	0	4	41	24 30	_	1	25 6	57 60	75	_	1	4	40 60	54 69
<b>Mountain</b> Arizona	_	0	4	41	10	_	0	3	12	23	_	0	4	12	15
Colorado Idaho <sup>§</sup>	—	0	1 2	2 9	7	—	0 0	2 2	23 4	23 1	—	0 0	2 2	21 6	22 4
Montana§	_	0	2	4	_	_	0	1	3	2	_	0	1	2	5
Nevada <sup>§</sup> New Mexico <sup>§</sup>	_	0	2 1	9 4	4 3	_	0 0	1 1	2 5	4 5	_	0 0	1 1	3 2	7 6
Utah	_	0	2	8	5	_	0	3	11	17	_	0	2	12	6
Wyoming <sup>§</sup>	_	0	1	3	1	_	0	0	—		—	0	1	2	4
Pacific Alaska	8	2 0	16 1	134 9	86 3	2	3 0	45 1	161 2	194 23	_2	4 0	48 1	211 1	230 4
California	1	2	9	111	76	_	2	7	114	151	1	3	10	156	177
Hawaii Oregon <sup>§</sup>	N	0	0 1	N 4	N 7	_	0 0	0 3	17	8 12	- 1	0 0	0 3	32	10 39
Washington	7	0	8	10	_	2	0	43	28		_	0	43	22	
American Samoa	Ν	0	0	Ν	Ν		0	0	—		—	0	0	—	—
C.N.M.I. Guam	_	0		_	_	_	0	0	_	_	_	0	0	_	_
Puerto Rico	Ν	0	0	Ν	Ν	—	0	1	4	2	_	0	1	8	7
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 year 2007 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).

(50th Week)* Pertussis							Pab	ies, anim			Rocky Mountain spotted fever				
		Prev	/ious	5				vious	iai		n		vious	olleu leve	
Deperting eres	Current week		veeks Max	Cum 2007	Cum 2006	Current week		veeks Max	Cum 2007	Cum 2006	Current week		veeks Max	Cum 2007	Cum 2006
Reporting area United States	86	171	1,479	8,399	13,813	40	103	188	5,245	5,363	3	34	211	2,023	2,043
New England	_	26	77	1,205	1,854	6	11	22	546	477	_	0	10	6	13
Connecticut Maine <sup>†</sup>	—	1 1	5 13	59 74	123 158	2	4 2	10 5	212 80	204 125	_	0 0	0	1	N
Massachusetts	_	21	38	928	1,176	_	2	0	_	N	_	0	1	4	11
New Hampshire Rhode Island <sup>†</sup>	_	1 0	5 31	60 32	220 70	1	1 0	4 4	53 40	47 30	_	0 0	1 9	1	1
Vermont <sup>†</sup>	—	Ő	9	52	107	3	3	13	161	71	_	0	Ő	—	_
Mid. Atlantic	10	23	155	1,142	1,867	5	25	56	1,343	527	—	1	7	81	87
New Jersey New York (Upstate)	10	2 10	10 146	139 530	297 885	N 5	0 10	0 20	N 504	N N	_	0 0	3 1	23 3	40
New York City Pennsylvania	_	2 7	6 18	122 351	110 575	_	1 15	5 44	42 797	43 484	_	0 0	3 3	28 27	23 24
E.N. Central	3	27	79	1,279	2,249	2	4	48	389	162	_	1	4	43	64
Illinois	_	3	17	150	575	_	1	15	113	46	—	0	3	26 4	26
Indiana Michigan	_	0 5	45 17	55 270	231 616	_	0 1	1 27	12 180	11 47	_	0 0	2 1	4	6 5
Ohio Wisconsin	3	12 1	54 24	605 199	609 218	2 N	1 0	11 0	84 N	58 N	_	0 0	2 0	10	26 1
W.N. Central	48	12	151	757	1,243	1	4	13	255	303	2	5	37	456	196
lowa	_	2 3	14 8	136	327 302	—	0	3 7	32	57 78	_	0	4	15	5
Kansas Minnesota	46	0	8 119	133 259	302 164	_	2 0	6	101 39	78 39	_	0	2	13 2	1 4
Missouri Nebraska†	_	2 1	9 12	97 65	304 96	_	0 0	3 0	38	66	_2	5 0	29 2	408 14	161 25
North Dakota	2	0	18	10	25	1	0	6	22	26	_	Ō	0	—	_
South Dakota	_	1	7	57	25	_	0	2	23	37	_	0	1	4	_
S. Atlantic Delaware	_2	16 0	163 2	872 11	1,097 3	22	40 0	76 0	2,063	2,234	_	15 0	112 2	943 15	1,149 21
District of Columbia Florida	1	0 4	1 18	2 208	6 201	_	0 0	0 29	117	176	_	0 0	1 4	1 22	1 16
Georgia	_	0	2	29	102	_	4	34	265	259	_	0	5	38	53
Maryland† North Carolina	1	2 4	6 112	111 292	148 189	10 4	7 9	18 19	386 471	404 505	_	1 5	4 96	65 610	89 815
South Carolina <sup>†</sup>	_	1	5	68	193	—	0	11	46	174	—	0	7	60	43
Virginia <sup>†</sup> West Virginia	_	2 0	11 19	121 30	208 47	8	13 0	31 11	701 77	602 114	_	2 0	11 3	127 5	108 3
E.S. Central	_	6	35	405	348	_	3	9	140	239	1	4	16	255	367
Alabama <sup>†</sup> Kentucky	_	1 0	18 4	82 27	88 58	_	0 0	1 3	18	82 28	_	1 0	10 2	90 5	91 3
Mississippi	—	1	32 5	218	37	_	0	1 7	1	4	_	0	2	14	9
Tennessee <sup>†</sup> W.S.Central	2	1 19	э 226	78 965	165 893	2	2 1	23	121 79	125 969	1	2 1	10 168	146 195	264 119
Arkansas <sup>†</sup>	2	1	17	137	95	1	1	2	33	31	_	0	53	101	51
Louisiana Oklahoma	_	0 0	2 36	19 49	24 28	1	0 0	0 22	46	7 66	_	0 0	1 108	3 53	5 31
Texas <sup>†</sup>	_	15	174	760	746	—	Ő	14	_	865	—	1	7	38	32
<b>Mountain</b> Arizona	6	21 4	61 13	1,082 197	2,418 500	_	3 2	14 12	216 149	211 138	_	0 0	4 2	36 10	46 11
Colorado	5	6	14	300	705	_	0	0	—	_	_	0	2	4	4
Idaho† Montana†	1	1 0	5 7	42 43	86 114	_	0 0	0 3	20	24 15	_	0 0	1	4 1	14 2
Nevada <sup>†</sup>	_	0	3	9	71	_	0	1	1	5	—	0	0	—	—
New Mexico <sup>†</sup> Utah	_	1 7	7 47	66 402	142 721	_	0 0	2 2	12 16	10 11	_	0 0	1 1	4 1	8
Wyoming <sup>†</sup>	—	0	4	23	79	—	0	4	18	8	—	0	2	12	7
<b>Pacific</b> Alaska	15	12 0	547 8	692 50	1,844 90	2	4 0	10 6	214 40	241 17	N	0 0	3 0	8 N	2 N
California	5	4	167	244	1,560	2	3	8	162	199	_	0	3	6	_
Hawaii Oregon†	_	0 2	1 14	4 111	87 107	N	0 0	0 3	N 12	N 25	<u>N</u>	0 0	0 1	N 2	N 2
Washington	10	3	377	283	—	_	0	0	_	_	Ν	0	0	Ν	Ν
American Samoa C.N.M.I.	_	0	0	_	_	N	0	0	N	N	N	0	0	N	N
Guam Puerto Rico	—	0 0	1	1	64 3	_	0 0	0 5	47		N N	0 0	0 0	N N	Ν
U.S. Virgin Islands		0	1 0				0	5 0	47			0	0		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 2007 are provisional. \* Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

(50th Week)*			almonalla			Shigat	ovin nro	duaina E		Shigellosis					
	Salmonellosis Previous					Snigati	<u> </u>	ious	E. coli (STE	<u>=C)</u>			vious	15	
Poporting area	Current		eeks Max	Cum 2007	Cum 2006	Current week		veeks Max	Cum 2007	Cum 2006	Current week		veeks Max	Cum 2007	Cum 2006
Reporting area United States	465	833	2,338	42,524	42,629	56	74	336	4,318	4,037	240	348	1,287	16,640	13,870
New England Connecticut Maine <sup>§</sup> Massachusetts New Hampshire Rhode Island <sup>§</sup> Vermont <sup>§</sup>		34 0 22 3 22 3 2	428 413 14 57 10 20 5	2,082 413 131 1,198 158 102 80	2,246 503 150 1,197 223 95 78		4 0 2 0 0 0	78 72 4 10 4 2 3	288 72 39 130 27 6 14	282 75 46 105 29 8 19		4 0 3 0 0 0	47 44 5 8 1 9	232 44 14 144 5 22 3	273 67 10 165 10 15 6
<b>Mid. Atlantic</b> New Jersey New York (Upstate) New York City Pennsylvania	25  21 	105 16 27 25 33	187 42 112 51 69	5,314 824 1,388 1,308 1,794	5,261 1,078 1,293 1,233 1,657	5 5 	7 1 3 0 3	63 4 15 5 47	439 51 200 45 143	584 158 180 43 203	5 4 1	12 2 3 5 2	47 10 42 11 21	717 134 157 265 161	866 287 226 266 87
<b>E.N. Central</b> Illinois Indiana Michigan Ohio Wisconsin	25 	102 31 15 18 26 15	254 187 54 41 64 50	5,371 1,684 690 878 1,302 817	5,505 1,557 829 971 1,266 882	3 2 1	9 1 1 2 3	34 10 13 8 9 11	623 89 104 97 153 180	680 102 89 93 195 201	51 21 30	36 12 2 1 17 4	132 26 21 7 104 13	2,270 552 200 71 1,220 227	1,421 677 165 151 191 237
W.N. Central lowa Kansas Minnesota Missouri Nebraska <sup>§</sup> North Dakota South Dakota	26 — 12 10 3 1	50 9 7 13 15 6 0 3	103 19 20 44 29 13 23 11	2,729 453 388 679 743 265 44 157	2,597 464 361 670 740 195 32 135	2 — 1 1 —	13 2 1 4 2 1 0 0	38 13 4 17 12 6 12 5	764 174 54 244 152 89 4 47	681 163 25 198 160 79 6 50	12 1 4 6 1	34 2 0 4 22 0 0 1	156 6 3 19 72 7 127 30	1,773 100 25 231 1,266 26 9 116	1,760 128 138 235 649 121 108 381
S. Atlantic Delaware District of Columbia Florida Georgia Maryland <sup>§</sup> North Carolina South Carolina <sup>§</sup> Virginia <sup>§</sup>	219 — 129 23 6 39 7 11 4	228 2 0 92 36 15 28 18 19 4	433 8 4 181 88 43 110 51 39 31	11,762 136 4,827 2,063 859 1,614 1,046 1,002 199	11,217 148 62 4,638 1,790 753 1,613 1,040 1,034 139	26 1 	15 0 3 2 1 2 0 3 0	37 2 1 13 9 6 24 3 9 5	721 16 168 109 94 142 24 148 19	622 16 3 90 84 127 111 17 162 12	100 — 75 15 2 6 — 2	88 0 41 29 2 0 3 3 0	177 2 5 75 95 7 14 20 12 36	4,497 11 4 2,191 1,656 111 103 180 161 80	3,377 11 17 1,536 1,332 133 151 77 116 4
E.S. Central Alabama <sup>§</sup> Kentucky Mississippi Tennessee <sup>§</sup>	16 5  9	61 16 10 15 17	142 49 22 101 34	3,183 927 544 883 829	2,872 864 441 777 790	2 1 1	4 1 1 0 2	26 19 12 1 10	308 64 120 5 119	295 31 101 11 152	15 6 5 4	46 13 6 13 4	175 37 35 110 32	2,778 690 480 1,292 316	839 321 235 113 170
<b>W.S. Central</b> Arkansas <sup>§</sup> Louisiana Oklahoma Texas <sup>§</sup>	19 11 	81 13 15 10 40	595 51 41 103 470	4,288 820 903 634 1,931	5,043 889 1,107 491 2,556	3  3	3 0 0 2	73 3 2 3 68	160 34 3 20 103	236 48 17 43 128	32 2  2 28	41 2 9 2 25	655 10 22 63 580	2,028 89 463 128 1,348	1,928 119 251 130 1,428
Mountain Arizona Colorado Idaho <sup>§</sup> Montana <sup>§</sup> Nevada <sup>§</sup> New Mexico <sup>§</sup> Utah Wyoming <sup>§</sup>	32 15 9 4 2 2 —	49 17 11 3 2 3 5 5 1	90 44 24 9 6 9 13 18 5	2,574 995 555 149 106 156 262 280 71	2,591 904 599 173 127 232 254 258 44	5 2 1 1 1 1 	8 2 1 0 0 0 1 0	42 8 17 16 0 3 3 9 0	536 110 146 128 — 19 37 96 —	533 105 108 103 — 32 46 119 20	9 2 - 1 4 	18 10 2 0 0 0 2 1 0	40 31 6 2 7 9 6 5 19	944 553 122 12 25 63 99 38 32	1,486 712 235 15 67 140 175 71 71
Pacific Alaska California Hawaii Oregon <sup>§</sup> Washington	103 1 74 2 26	110 1 84 0 6 12	890 5 260 12 16 625	5,221 77 4,106 74 315 649	5,297 77 4,545 257 416 2	10 N 1  9	8 0 5 0 1	164 0 33 1 11 162	479 N 260 6 82 131	124 N 18 106	16 	28 0 24 0 1 2	256 2 84 1 6 170	1,401 7 1,173 7 75 139	1,920 7 1,749 45 119
American Samoa C.N.M.I. Guam Puerto Rico U.S. Virgin Islands	 	0 0 14 0	0 	 726 		 N 	0 0 0 0	0 0 0 0	N	N     		0 0 0 0	0 0 4 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: Me \* Incidence data for reporting year 2007 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). Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

	Stre	eptococca	disease,	invasive, gr	oupA	Stre	<i>Streptococcus pneumoniae</i> , invasive disease, nondrug resistant <sup>†</sup> Age <5 years							
		Prev						Prev	ious			_		
Reporting area	Current week	52 wo	eeks Max	Cum 2007	Cum 2006		Current week	52 wo	eeks Max	Cum 2007	Cum 2006			
United States	28	90	261	4,606	5,065		32	32	108	1,552	1,334			
New England	_	5	28	354	338			2	11	108	130			
Connecticut	_	0	22	116	93		_	0	6	12	34			
Maine <sup>§</sup>	_	0 3	3 12	26 155	18 170		_	0 1	1 6	3 72	77			
Massachusetts New Hampshire	_	0	4	34	35		_	0	2	11	12			
Rhode Island <sup>§</sup>	_	0	12	6	8		_	0	1	8	7			
Vermont <sup>§</sup>	—	0	2	17	14		—	0	1	2	—			
Mid. Atlantic	4	15	41	832	910		5	4	37	261	198			
New Jersey New York (Upstate)	4	2 5	10 27	121 273	142 291		5	1 2	5 15	40 105	66 97			
New York City	—	4	13	194	160		_	1	35	116	35			
Pennsylvania	—	4	11	244	317		Ν	0	0	Ν	Ν			
E.N. Central	6	16	34	763	952		4	4	14	216	357			
Illinois Indiana	1	4 2	13 12	213 117	292 111		2	1 0	5 10	48 23	100 62			
Michigan	_	4	10	183	198		—	1	5	70	72			
Ohio	5	4	14	219	233		2	1	4	62	76			
Wisconsin	_	0	5	31	118		_	0	2	13	47			
W.N. Central lowa	2	5 0	32 0	319	352		_	2 0	7 0	119	111			
Kansas	_	0	3	31	53		_	Õ	1	5	14			
Minnesota	_	0	29	153	156		_	1	6	73	66			
Missouri Nebraska <sup>§</sup>	1	2 0	6 3	80 25	87 33		_	0 0	2 2	25 15	15 11			
North Dakota	1	0	3	19	13		_	Ő	1	1	5			
South Dakota	—	0	2	11	10		—	0	0	—	—			
S. Atlantic	6	22	52	1,185	1,160		7	5	14	273	83			
Delaware District of Columbia	_	0 0	1 3	10 8	10 18		_	0 0	0 0	_	2			
Florida	5	6	16	301	293		3	1	5	66	_			
Georgia	_	5	13	243	258		_	0	5	44				
Maryland§ North Carolina	1	4 1	10 22	205 158	207 157		4	1 0	5 0	67	67			
South Carolina <sup>§</sup>	_	1	7	92	63		_	1	4	53	_			
Virginia <sup>§</sup>	—	2	11	142	128		—	0	4	36				
West Virginia	_	0	3	26	26		_	0	4	7	14			
E.S. Central Alabama <sup>§</sup>	N	4 0	13 0	197 N	201 N		2 N	2 0	6 0	91 N	18 N			
Kentucky	_	1	3	36	44		N	Ő	0	N	Ň			
Mississippi	N	0	0	N	N		_	0	2	3	18			
Tennessee§	_	3	13	161	157		2	2	6	88	_			
W.S. Central Arkansas <sup>§</sup>	4	6 0	90 2	297 17	376 25		4	5 0	43 2	247 12	209 20			
Louisiana	_	0	4	16	16		_	0	4	29	20			
Oklahoma	1	1	23	66	100		_	1	13	59	54			
Texas <sup>§</sup>	3	3	64	198	235		4	2	27	147	112			
<b>Mountain</b> Arizona	6 1	11 4	22 11	531 206	648 333		6 2	4	12 8	203 118	201 109			
Colorado	5	3	8	152	116		4	1	3	51	55			
Idaho <sup>§</sup>	_	0	2	18	10			0	1	2	3			
Montana <sup>§</sup> Nevada <sup>§</sup>	N	0 0	0 1	N 1	N		N	0 0	0 1	N 1	N 3			
New Mexico <sup>§</sup>	_	1	4	60	121			0	4	24	31			
Utah	—	2	7	89	64		—	0	2	7	_			
Wyoming <sup>§</sup>	_	0	1	5	4		_	0	0	_				
<b>Pacific</b> Alaska	_	3 0	7 3	128 30	128 N		4 4	0 0	3 3	34 34	27 N			
California	N	0	0	30 N	N		4 N	0	0	34 N	N			
Hawaii	—	2	5	98	128		—	0	1	_	27			
Oregon <sup>§</sup> Washington	N N	0 0	0	N N	N N		N N	0 0	0	N N	N N			
American Samoa	_	0	0	_	_		N	0	0	N	N			
C.N.M.I.	—	_	_	—	—		—		_	_	_			
Guam Puerto Rico	_	0 0	0 0	_	_		N N	0 0	0 0	N N	N N			
U.S. Virgin Islands	—	Ő	Ő	—	—		_	Ő	Ő	_	_			

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 2007 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).

	Streptococcus pneumoniae, invasive disease, drug resistant† All ages Age <5 years											Syphilis, primary and secondary						
	All ages Previous							e <5 year: /ious	S		Syp		imary an vious	d seconda	ary			
	Current		eeks	Cum	Cum	Current		veeks	Cum	Cum	Current		vious veeks	Cum	Cum			
Reporting area	week	Med	Max	2007	2006	week	Med	Max	2007	2006	week	Med	Max	2007	2006			
United States	36	47	256	2,269	2,349	8	8	35	446	408	239	203	310	10,205	9,230			
New England	—	1	12	90	132	—	0	3	11	8	1	5	14	251	208			
Connecticut Maine <sup>§</sup>	_	0 0	5 2	50 10	98 7	_	0 0	2 2	4 2	3	_	0 0	6 2	33 9	53 9			
Massachusetts	_	0	0	_	_	—	0	0	—	_	_	3	8	149	117			
New Hampshire Rhode Island <sup>§</sup>	_	0	0 4	 15	14	_	0 0	0 1	3	2	_	0	3 5	28 28	13 14			
Vermont <sup>§</sup>	—	Ő	2	15	13	_	Ő	1	2	3	1	Ő	1	4	2			
Mid. Atlantic	_	2	9	118	150	_	0	5	28	23	21	30	45	1,483	1,121			
New Jersey New York (Upstate)	_	0 1	0 5		52	_	0 0	0 4	8	9	1 7	4 3	8 14	210 136	171 141			
New York City	_	0	0	_	_	_	0	0	_	_	13	18	35	884	552			
Pennsylvania	_	1	6	80	98	—	0	2	20	14	—	5	10	253	257			
E.N. Central Illinois	10	10 1	40 8	543 64	508 25	_4	2 0	8 5	108 32	85 6	10 5	16 7	25 14	772 361	857 412			
Indiana	5	3	31	136	136	1	0	5	24	24	1	1	6	56	90			
Michigan Ohio	5	0 5	1 23	2 341	16 331	3	0 1	1 4	1 51	2 53	2	2 3	9 9	112 187	110 178			
Wisconsin	N	0	23	N	N		0	4			2	1	9 4	56	67			
W.N. Central Iowa	1	2 0	124 0	181	95	_	0 0	15 0	17	13	2	7 0	14 2	329 18	273 19			
Kansas	_	0	11	64	_	_	0	2	6	_	_	Ő	2	20	27			
Minnesota Missouri	1	0 1	123 5	46 60	51 39	—	0 0	15 1	6 1	10 3	2	1 4	4 11	62 220	46 160			
Nebraska§	_	Ó	1	2	1	_	0	0	_			0	1	220	7			
North Dakota South Dakota	_	0 0	0	9	4	—	0 0	0 1	4	_	_	0	0 3	7	1 13			
S. Atlantic	20	20	59	980	1,119	4	4	14	210	200	171	47	180	2,473	2,077			
Delaware		0	1	9	· —	-	0	1	210	_	_	0	3	<sup>′</sup> 17	17			
District of Columbia Florida		0 11	1 29	5 565	25 592	4	0 2	0 8	124	2 125	1 153	3 15	12 55	165 920	111 689			
Georgia	2	7	17	339	398	-	1	7	76	73	4	9	153	462	415			
Maryland <sup>§</sup> North Carolina	—	0	1 0	1	—	—	0 0	0 0	—	—	4 6	6 5	15 23	296 307	292 292			
South Carolina <sup>§</sup>	_	0	0	_	_	_	0	0	_	_	3	2	11	93	66			
Virginia <sup>§</sup> West Virginia	N	0 1	0 17	N 61	N 104	—	0 0	0 1	8	_	_	4 0	16 1	207 6	185 10			
E.S. Central	4	3	9	166	176	_	1	3	36	29	16	18	31	867	698			
Alabama§	Ň	0	0	N	N	_	0	0	_	—	2	7	17	355	309			
Kentucky Mississippi	_	0 0	2 2	24	32 27	_	0 0	1 0	3	6	_2	1 2	7 9	57 97	70 76			
Tennessee	4	2	9	142	117	_	0	3	33	23	12	7	15	358	243			
W.S. Central	_	2	12	132	77	_	0	3	19	9	6	35	55	1,765	1,507			
Arkansas <sup>§</sup> Louisiana	_	0 1	1 4	3 63	10 67	—	0	0 2	9	2 7	1 5	2 9	10 23	118 483	76 321			
Oklahoma	_	Ő	10	66		_	0	2	10			1	4	403 58	69			
Texas§	_	0	0	—	—	_	0	0	—	—	—	21	39	1,106	1,041			
<b>Mountain</b> Arizona	1	1 0	6 0	59	92	_	0	3 0	17	41	1	8 3	30 22	394 183	497 194			
Colorado	_	Ō	Ō	_	_	_	Ō	Ō	_	_	1	1	5	42	68			
Idaho <sup>§</sup> Montana <sup>§</sup>	N	0	0	N	N	—	0 0	0 0	_	_	_	0 0	1 2	1 4	3 1			
Nevada§	1	0	3	20	18	_	0	2	4	3	_	2	6	100	136			
New Mexico <sup>§</sup> Utah	—	0 0	0 6	 25	 41	—	0 0	0 3		 28	—	1 0	7 2	45 16	75 20			
Wyoming <sup>§</sup>	_	0	2	14	33	_	0	1	2	10	_	0	1	3	20			
Pacific	_	0	0	_	_	_	0	0	_	_	11	39	60	1,871	1,992			
Alaska California	N	0 0	0 0	N	N N	_	0 0	0 0	_	_	5	0 36	1 57	7 1,696	11 1,766			
Hawaii		0	0	_	_	_	0	0	_	_		0	2	1,030	17			
Oregon <sup>§</sup> Washington	N N	0	0	N N	N N	_	0 0	0 0	_	_	6	0 2	2 12	16 144	26 172			
American Samoa	N	0	0	N	N	_	0	1	1	_	_	0	4	4				
C.N.M.I. Guam	_	0	0	_	_	_	0	0	_	_	_			_	_			
Puerto Rico	N	0	0	N	Ν	_	0	0	_	_	3	3	10	158	143			
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 no -: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

<sup>1</sup> Incidence data for reporting year 2007 are provisional.
 <sup>1</sup> Incidence data for reporting year 2007 are provisional.
 <sup>2</sup> Incidence data for reporting year 2007 are provisional.
 <sup>3</sup> Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

		Maria	- 11- (-1-:-1			West Nile virus disease <sup>†</sup> Neuroinvasive Nonneuroinvasive <sup>s</sup>										
				Varicella (chickenpox) Previous				ious	/e			-	vious			
	Current		reeks	Cum	Cum	Current		eeks	Cum	Cum	Current		/eeks	Cum	Cum	
Reporting area	week	Med	Max	2007	2006	week	Med	Max	2007	2006	week	Med	Max	2007	2006	
United States	414	720	2,813	33,495	44,747	_	1	141	1,159	1,494	_	2	298	2,322	2,774	
New England	11	14	124	698	4,117	_	0	2	7	9	_	0	2	5	3	
Connecticut Maine <sup>1</sup>	_	0 0	76 6	2	1,641 229	_	0 0	2 0	4	7	_	0 0	1 0	1	_2	
Massachusetts	_	0	1	_	1,141	_	0	2	3	2	_	0	2	3	1	
New Hampshire Rhode Island <sup>1</sup>	2	7 0	17 0	335	403	_	0	0 0	_	_	_	0 0	0 1	1	_	
Vermont <sup>®</sup>	9	5	66	361	703	_	0	0	_	_	_	0	0	_	_	
Mid. Atlantic	_	90	175	4,240	5,034	_	0	3	21	26	_	0	3	10	12	
New Jersey	N	0	0	N	N	_	0	1	1	2	_	0	0	_	3	
New York (Upstate) New York City	N	0 0	0 0	N	<u>N</u>	_	0 0	1 3	2 13	8 8	_	0 0	1 3	1 5	4 4	
Pennsylvania	—	90	175	4,240	5,034	—	0	1	5	8	—	0	1	4	1	
E.N. Central	86	180	568	9,298	14,850	_	0	18	106	244	_	0	11	62	175	
Illinois Indiana	N	3 0	11 0	164 N	137 N	_	0 0	13 4	61 14	127 27	_	0 0	8 2	36 10	88 53	
Michigan	—	83	250	3,774	4,981	_	0	5	13	43	_	0	0	_	12	
Ohio Wisconsin	86	79 15	449 80	4,420 940	8,668 1,064	_	0 0	4 2	13 5	36 11	_	0 0	3 2	10 6	12 10	
W.N. Central	10	28	136	1,569	1,909	_	0	41	243	224	_	0	116	715	484	
lowa	N	0	0	Ń	1,909 N	_	0	4	12	22	_	0	3	18	15	
Kansas	_	9	52	521	358	_	0	3	13	17	_	0	7	26	13	
Minnesota Missouri	10	0 14	0 78	899	1,342	_	0 0	9 9	45 58	31 51	_	0 0	12 2	54 14	34 11	
Nebraska <sup>¶</sup>	N	0	0	N	Ń	_	0	5	18	45	_	0	15	126	219	
North Dakota South Dakota	_	0 1	60 14	84 65	94 115	_	0	11 9	49 48	20 38	_	0	48 32	318 159	117 75	
S. Atlantic	58	90	239	4,721	4,556	_	0	12	42	18	_	0	6	35	14	
Delaware		1	4	45	65	_	0	1	1		_	Ő	0		_	
District of Columbia Florida		0 25	8 76	14 1,229	48 N	_	0 0	0 1	3	3	_	0 0	0 0	_	_2	
Georgia	N	25	0	1,229 N	N	_	0	8	23	2	_	0	5	26	6	
Maryland <sup>1</sup>	Ν	0 0	0	N	Ν	_	0	2 1	6 4	10	_	0	2 1	4	1	
North Carolina South Carolina <sup>1</sup>	7	17	72	1,004	1,232	_	0 0	2	4	1	_	0 0	1	2 2	_	
Virginia <sup>1</sup>		20	190	1,306	1,752	—	0	1	2	_	—	0	1	1	5	
West Virginia	20	22	50	1,123	1,459	_	0	0		1	_	0	0			
E.S. Central Alabama <sup>1</sup>	3 3	10 10	571 571	648 645	30 28	_	0 0	11 2	69 16	118 8	_	0 0	14 2	96 8	101	
Kentucky	Ň	0	0	N	N	_	0	1	4	5	_	0	0	_	1	
Mississippi Tennessee¹	N	0	2 0	3 N	2 N	_	0 0	7 1	44 5	89 16	_	0 0	12 2	83 5	94 6	
W.S. Central	205	160	1,640	9,702	11,412	_	0	34	237	374		0	17	128	236	
Arkansas <sup>1</sup>	2	10	105	651	1,099	_	0	5	13	24	_	0	2	7	5	
Louisiana Oklahoma	3	2 0	11 0	109	197 N	_	0 0	5 11	25 56	91 27	_	0 0	3 7	11 45	89 21	
Texas <sup>1</sup>	200	151	1,534	8,942	10,116	_	0	18	143	232	_	0	9	45 65	121	
Mountain	40	52	131	2,579	2,839	_	0	36	275	393	_	1	143	1,025	1,487	
Arizona		0	0	1 054	1 400	—	0	8	48	68	—	0	10	46	82	
Colorado Idaho <sup>1</sup>	32 N	21 0	62 0	1,054 N	1,463 N	_	0 0	17 3	96 11	66 139	_	0 0	65 22	459 120	279 857	
Montana <sup>®</sup>	6	6	40	410	N	_	0	10	37	12	_	0	30	164	22	
Nevada <sup>1</sup> New Mexico <sup>1</sup>	2	0 5	1 37	1 356	10 363	_	0	1 8	1 39	34 3	_	0 0	3 6	10 21	90 5	
Utah	_	10	73	724	933	_	0	8	28	56	_	0	8	40	102	
Wyoming <sup>1</sup>	_	0	9	34	70	_	0	4	15	15	_	0	33	165	50	
<b>Pacific</b> Alaska	1	0	9 9	40 40	N	_	0 0	18 0	159	88	_	0 0	23 0	246	262	
California	_	0	0	_	N	_	0	17	152	81	_	0	21	227	197	
Hawaii Oregon <sup>1</sup>	N N	0	0	N N	N N	—	0 0	0 3	7	7	_	0 0	0 4	— 19	62	
Washington	N	0	0	N	N	_	0	0	_	_	_	0	4		3	
American Samoa	Ν	0	0	Ν	Ν	_	0	0	_	_	_	0	0	_	_	
C.N.M.I.		—		_		—	_	—	—	—	—	_		—	—	
Guam Puerto Rico	1	4 13	24 37	254 620	278 581	_	0 0	0 0	_	_	_	0 0	0 0	_	_	
U.S. Virgin Islands	_	0	0			_	Ő	Ő	_	_	_	Ő	Ő	_		

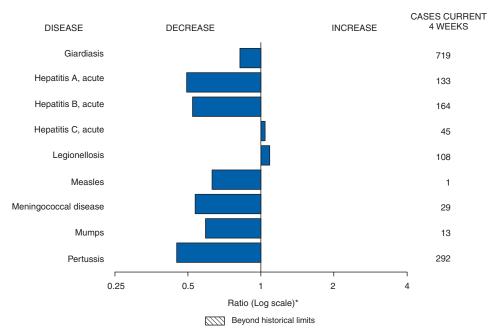
C.N.M.I.: Commonwealth of Northern Mariana Islands. U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum. \* Incidence data for reporting year 2007 are provisional. Updated weekly from reports to the Division of Vector-Borne Infectious 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	<u>s in 122 u</u>	All causes, by age (years)					(SUTI WEEK)	All causes, by age (years)							
Departing Area	All	. CE	45.64	05.44	1.04	4	P&I <sup>†</sup>	Deperting Area	All	. CE	45 GA	05.44	1.04	-	P&I <sup>†</sup>
Reporting Area	473	<u>≥</u> 65 358	<b>45-64</b> 78	<b>25-44</b> 21	<b>1-24</b> 5	<1 11	Total 43	Reporting Area S. Atlantic	Ages 1,219	≥ <b>65</b> 764	<b>45-64</b> 296	<b>25-44</b> 95	<b>1-24</b> 30	<1 33	Total 59
Boston, MA	128	86	25	8	3	6	13	Atlanta, GA	168	99	42	13	7	7	
Bridgeport, CT	39	29	7	2	_	1	5	Baltimore, MD	152	79	52	14	4	3	11
Cambridge, MA	20	17	2	1	_	_	_	Charlotte, NC	137	98	24	9	5	1	15
Fall River, MA	30	25	4	1	_	_	2	Jacksonville, FL	181	129	37	13	1	_	6
Hartford, CT	61	49	8	2	_	2	9	Miami, FL	67	41	17	4	3	2	1
Lowell, MA	23	19	2	1	1	_	1	Norfolk, VA	50	27	15	3	1	4	2
Lynn, MA	4	3	1	—	—	_	_	Richmond, VA	55	32	13	7	1	2	3
New Bedford, MA	28	20	7	1				Savannah, GA	74	45	23	3	1	2	8
New Haven, CT	U	U	U	U	U	U	U	St. Petersburg, FL	52	30	12	7	_	3	4
Providence, RI	U	U	U	U	U	U	U	Tampa, FL	173	121	32	12	2	6	5
Somerville, MA	4	3 31	1 6	2	_	2	6	Washington, D.C.	100	54	28	10	5	3	3
Springfield, MA Waterbury, CT	41 36	29	6 4	2	_		о 4	Wilmington, DE	10	9	1	_	_	_	1
Worcester, MA	59	29 47	11	- 3	1	_	3	E.S. Central	923	618	222	48	17	18	76
								Birmingham, AL	208	136	53	8	5	6	18
Mid. Atlantic	2,088	1,498	414	110	31	35	118	Chattanooga, TN	77	58	13	3		3	4
Albany, NY	56	39	12	4	1	_	4	Knoxville, TN	99	61	25	8	4	1	6
Allentown, PA	22	17	4	1	_	_	1	Lexington, KY	20	14	3	1	2	_	2
Buffalo, NY	75	47	14	7	3	4	8	Memphis, TN	193	130	52	8	1	2	24
Camden, NJ Elizabeth, NJ	26 10	17 5	7 3	2	_	2	2	Mobile, AL	108 65	71 39	24 20	9 2	2 2	2 2	6 2
Erie, PA	52	39	9	2	1	_	2	Montgomery, AL Nashville, TN	153	109	20 32	2	2 1	2	14
Jersey City, NJ	16	11	9 4	1	_	_	2	,							
New York City, NY	1,153	834	231	57	18	13	62	W.S. Central	1,345	852	320	86	44	43	60
Newark, NJ	16	2	6	3	1	4	2	Austin, TX	96	64	19	8	2	3	5
Paterson, NJ	17	9	3	1	1	3	_	Baton Rouge, LA	41	15	7	6	10	3	
Philadelphia, PA	173	114	45	9	3	2	8	Corpus Christi, TX	62	39	13	2	2	6	4
Pittsburgh, PA§	33	25	7	1	_	_	5	Dallas, TX	185	112	50	14	5	4	6
Reading, PA	37	30	4	3	_	—	1	El Paso, TX Fort Worth, TX	105 129	72 83	22 36	6 6	2	3 4	1 4
Rochester, NY	129	96	25	4	2	2	9	Houston, TX	313	200	81	14	8	10	4 14
Schenectady, NY	23	18	4	1	—	_	—	Little Rock. AR	87	200 55	19	6	3	4	5
Scranton, PA	23	21	2			—	1	New Orleans, LA <sup>1</sup>	Ű	Ŭ	Ű	Ŭ	Ŭ	Ū	Ŭ
Syracuse, NY	158	119	25	8	1	5	11	San Antonio, TX	243	162	52	13	10	6	20
Trenton, NJ	22	15	6	1	—	_	—	Shreveport, LA	36	21	8	6	1	_	_
Utica, NY	15	14		1	_	_	_	Tulsa, OK	48	29	13	5	1	_	1
Yonkers, NY	32	26	3	3	_	_	_	Mountain	951	619	216	68	24	19	51
E.N. Central	2,023	1,349	453	127	40	50	134	Albuquerque, NM	U	U	210 U	U	Ű	Ű	U
Akron, OH	56	36	15	3	1	1	2	Boise, ID	57	42	11	1	3	_	2
Canton, OH	43	30	9	4	_	_	3	Colorado Springs, CO	74	56	8	6	2	2	3
Chicago, IL	240	136	70	21	3	6	9	Denver, CO	75	51	13	7	1	3	6
Cincinnati, OH Cleveland, OH	106 271	62 194	25 52	7 6	2 8	10 11	17 17	Las Vegas, NV	262	153	82	20	6	1	15
Columbus, OH	2/1	194	52	13	0 4	4	9	Ogden, UT	35	31	1	3	_	—	2
Dayton, OH	119	87	21	8	2	1	13	Phoenix, AZ	179	102	38	18	11	5	8
Detroit, MI	151	79	51	15	3	3	6	Pueblo, CO	43	29	12	2			_
Evansville, IN	30	22	5	1	2	_	_	Salt Lake City, UT	107	65	32	5	1	4	6
Fort Wayne, IN	68	51	11	5	1	_	7	Tucson, AZ	119	90	19	6	_	4	9
Gary, IN	13	5	4	3	1		1	Pacific	1,605	1,090	369	80	28	37	130
Grand Rapids, MI	66	52	9	5	_	_	7	Berkeley, CA	22	17	3	_	_	2	1
Indianapolis, IN	191	126	44	14	2	5	15	Fresno, CA	U	U	U	U	U	U	U
Lansing, MI	40	26	7	3	2	2	5	Glendale, CA	21	19		1	1	_	5
Milwaukee, WI	91	59	24	3	3	2	9	Honolulu, HI	78	60	11	3	2	2	6
Peoria, IL	45	34	7 8	3	2	1	7	Long Beach, CA	73	43	20	6	1	3	9
Rockford, IL South Bend, IN	59 56	47 39	8 9	2 4	2	3	1	Los Angeles, CA Pasadena, CA	214 33	148 24	44 5	11 1	7 2	4 1	31 3
Toledo, OH	99	39 72	20	4	2	1	3	Portland, OR	122	24 80	32	10	2		9
Youngstown, OH	62	48	10	3	1	_	3	Sacramento, CA	201	130	53	9	3	6	14
5								San Diego, CA	159	106	36	4	4	9	12
W.N. Central	639	399	157	49	19	15	41	San Francisco, CA	119	71	30	11	2	4	10
Des Moines, IA	80	53	23	1	3	—	4	San Jose, CA	196	144	43	5	1	3	14
Duluth, MN Kansas City, KS	27	19	8 8		_	_	1	Santa Cruz, CA	42	28	12	2	_	_	3
Kansas City, KS Kansas City, MO	22 96	12 62	8 24	2 7	1	2	1 1	Seattle, WA	133	89	36	6	_	2	6
Lincoln, NE	96 45	62 30	24 9	4	1	2	5	Spokane, WA	70	46	18	2	3	1	4
Minneapolis, MN	43 78	30 46	19 19	4 8	1	4	9	Tacoma, WA	122	85	26	9	2	_	3
Omaha, NE	96	62	22	6	5	1	5	Total	11,266**	7,547	2,525	684	238	261	712
St. Louis, MO	63	25	19	10	4	5	7	1944	11,200	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,020	507	200	201	, 12
St. Paul, MN	61	40	14	4	1	2	1								
Wichita, KS	71	50	11	7	3	_	7								
	No reported														

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  $\geq$ 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. <sup>†</sup> Pneumonia and influenza.

<sup>1</sup>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. <sup>1</sup>Because of Hurricane Katrina, weekly reporting of deaths has been temporarily disrupted. \*\*Total includes unknown ages.

# FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals December 15, 2007, 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.

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☆U.S. Government Printing Office: 2008-723-026/41067 Region IV ISSN: 0149-2195