



## **Morbidity and Mortality Weekly Report**

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## Human Exposures to a Rabid Bat — Montana, 2008

On September 29, 2008, the Ravalli County Public Health Department (RCPHD) notified the Montana Department of Public Health and Human Services (MDPHHS) of a largescale human exposure to a dead bat at an elementary school. On October 1, the bat was confirmed to be rabid, and on October 4, MDPHHS requested assistance from CDC in evaluating persons for rabies exposure. Of 107 persons assessed, only one person (1%) was recommended for rabies postexposure prophylaxis (PEP) in accordance with guidance from the Advisory Committee on Immunization Practices (ACIP); however, 74 persons (68%) ultimately pursued rabies PEP. This report describes the incident and public health response, and highlights the importance of unified risk communication. After a potential large-scale exposure to rabies virus, guidance from clinicians should be consistent with ACIP recommendations to ensure appropriate use of rabies PEP (1).

### **Incident Description**

On September 28, a parent of two students at a Ravalli County elementary school found a dead bat carried into the house by the family cat. The bat carcass was placed in a jar and stored overnight. On September 29, one parent accompanied the children to school with the bat, and before leaving school premises, removed the carcass from the jar and presented it to eight different classrooms (one kindergarten, four 5th-grade, and three 4th-grade classrooms). Students and teachers in at least five classrooms touched the bat, along with a few other staff members of the school.

Later that morning, the school nurse notified RCPHD after learning of the presentation. RCPHD subsequently advised the parent to submit the bat for rabies diagnosis. That afternoon, the parent took the bat carcass to an off-campus soccer practice attended by students from the school. Some of these children touched the bat. On September 30, the bat was shipped to the Montana Veterinary Diagnostic Laboratory (MVDL).

On October 1, MVDL detected the presence of rabies viral antigen in the animal's brain via direct fluorescent antibody testing. On October 16, CDC identified the implicated virus variant as one associated with the silver-haired bat (*Lasionycteris noctivagans*).

On September 30, while awaiting the results of the laboratory testing, school officials sent letters home with students enrolled in the five classrooms (kindergarten and 5th grade) where the teacher observed students touching the bat. The letter described concern for potential exposure to the rabies virus. School officials did not send letters home to students enrolled in the three 4th-grade classrooms because teachers did not observe any of these students touching the bat. On the evening of October 1, school officials telephoned households of students in the kindergarten and 5th-grade classes with news of the positive laboratory findings; voice-mail messages were left if no one answered. The cat that had discovered the bat received a rabies booster shot after a veterinarian confirmed its current rabies vaccination status. The cat was observed in the owner's home for 45 days and was reported to be healthy at the time of this report.

## **Public Health Response**

On October 3, RCPHD held a public meeting in the school. A panel composed of representatives from RCPHD and MDPHHS and two local clinicians (a physician and a veterinarian) provided information and answered questions about rabies, PEP, and vaccine safety. They announced that public health recommendations for PEP would be based on

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individual risk assessments and that the school would host a vaccination clinic the following week where PEP would be administered. At the meeting, parents raised concerns that students in the three 4th-grade classrooms might also have touched the bat. School officials strongly encouraged that all students, staff, and soccer players suspected of touching the bat be evaluated for PEP. Announcements regarding the starting date and location of the vaccination clinic were made in the local press and on signs posted at the school.

On October 4, MDPHHS requested that CDC assist MDPHHS and RCPHD in evaluating and providing prevaccination counseling to potentially exposed persons. The vaccination clinic was scheduled to start on October 7 and continue on subsequent days for all doses of vaccine in the 5-dose rabies PEP series.

# Exposure Risk and Recommendation for PEP

On October 7, a total of 107 students (accompanied by parents or guardians) and faculty were individually interviewed at the school by representatives of RCPHD, MDPHHS, and CDC. All were identified as requiring evaluation for rabies exposure, either because they reported touching the bat at the school or soccer practice or had been recorded as present in a classroom where touching had been observed by a teacher. Of the 107 interviews, 91 were conducted in person and 16 by telephone. For these 107 interviews, 97 (91%) of respondents were students of the school, and the remaining 10 (9%) were faculty or staff members. Median age was 10 years (range: 5–61 years), and 58 (54%) of respondents were male. Most minors evaluated reported touching the bat while at school.

Based on ACIP guidance, respondents were considered to have been possibly exposed to the rabies virus if they reported a bite or nonbite exposure. A bite exposure was defined as skin penetration from the bat's teeth. A nonbite exposure was defined as skin contact with the bat's mouth (i.e., where infectious saliva might have been present) where 1) open wounds were present or 2) the presence of skin breaks could not be excluded, or 3) the respondent reported subsequent hand contact with conjunctiva or other mucous membranes. Touching the bat in the absence of these conditions was not considered an exposure. History of handwashing or hand sanitizer use immediately after touching the bat also was elicited.

PEP was recommended for one student, who reported possibly being pricked by the bat's teeth after probing its oral cavity with her fingers. The remaining 106 persons either reported touching nonmouth areas (89 [84%]), reported no contact at all (15 [14%]), or declined to be interviewed (two [2%]) and were not recommended for PEP. Of 11 respondents who reported possibly rubbing their eyes after touching the bat, none

reported touching the bat's mouth, and 10 reported immediate hand sanitizer use or handwashing. Because this indirect contact does not meet ACIP criteria for rabies virus exposure, none of these respondents were recommended for PEP.

Risk assessment was communicated orally to the respondents and/or their parent or guardian, together with an explanation for why PEP was or was not recommended. Persons were counseled on possible adverse events associated with rabies vaccine, including mild local reactions and pain at the injection site and very rare but serious reports of Guillain-Barré syndrome or acute disseminated encephalomyelitis (1).

### Administration of PEP

After counseling, respondents pursued or declined PEP, a regimen normally composed of 1 dose of human rabies immune globulin (HRIG) infiltrated in the wound (when applicable) or administered intramuscularly on day 0 (day of initiation) and five injections of rabies vaccine administered intramuscularly on days 0, 3, 7, 14, and 28 (in previously unvaccinated persons). Seventy-four (69%) of the 107 respondents, including the one person with the possible bite exposure, pursued rabies PEP, at a total HRIG and vaccine cost exceeding \$75,000. The school's insurance policy covered this expense, and RCPHD assumed the cost of unused PEP (\$29,000) procured in advance of the vaccination clinic. At the time of this report, no serious adverse events had been reported to RCPHD in connection to the administered PEP, and no cases of human rabies had been reported in association with the incident.

#### **Decision to Pursue PEP**

A written survey was administered to vaccinees to elucidate sources of information used in their decision to pursue PEP. Adult vaccinees and parents/guardians of minor vaccinees returning to the clinic for their second dose of vaccine (on day 3) were asked to indicate the information sources considered.\* Of the 73 persons who attended the day-3 vaccination clinic (one person made arrangements to receive vaccine at an alternate clinic location), 59 (81%) returned the questionnaire. These respondents most frequently rated a physician as the most important source of information used to guide decisionmaking (18 [31%] of 59), followed by family or friends (13 [22%]), the Internet (12 [20%]), and the health department or CDC (nine [15%] (Figure). Anecdotal reports indicated that many of the vaccinees had consulted their primary-care physician for risk assessment and reported to the vaccination clinic with the expectation of receiving PEP.

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Editorial Note: The rarity of human rabies in the United States is attributed to effective animal control and canine vaccination programs (1), in addition to widely accessible biologics used for rabies PEP in humans. However, the persistence of disease in wildlife reflects its public health relevance. During 2003–2007, an average of 6,927 animal cases were identified annually in the United States and Puerto Rico, with wildlife bearing approximately 90% of the disease burden (2–6). Although rabid bats constitute less than 25% of these cases, nearly all indigenous human rabies cases reported in the United States have been linked to bats in recent decades (1). Prevention of human rabies in the United States largely hinges on an educated public and professional sector that is aware of bat-associated rabies risks.

Large-scale human contact with rabid animals requires mobilization of substantial resources and involvement of public health officials, as demonstrated by this incident, a similar occurrence in New Hampshire during 1994 (7), and a multistate incident in 2007 (8). These incidents typically generate high public anxiety, which can lead to unnecessary rabies PEP. This report differs from accounts of previous large-scale human rabies exposures because it describes the compliance with ACIP recommendations by persons who were evaluated and counseled by public health officials.

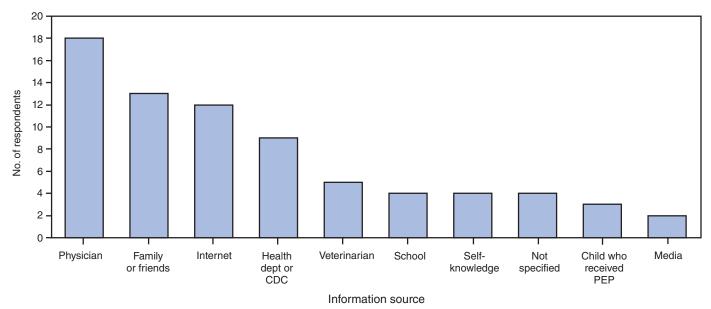
During 2007–2009, the human rabies vaccine supply was limited because of temporary suspension of production by one manufacturer. To acquire rabies vaccine during that time, clinicians were required to first consult with state or local public health officials. MDPHHS requested CDC assistance because of the anticipated challenges posed by assessing and counseling so many persons in this incident, especially during a time of limited vaccine supply.

Approximately one third of rabies large-scale exposures occur in school settings (9), which also are ideal sites for educational outreach to promote safe animal practices. Such outreach should include messages that warn against contact with wildlife (both dead and alive) and instructions on what to do if an animal is found on school or home premises. School policies that prohibit bats and other common rabies reservoirs in classrooms are recommended to lessen exposure risks.† All animals suspected of being infected with the rabies virus should

<sup>\*</sup>Respondents were asked, "What sources of information helped you decide whether or not your child (or yourself) should be vaccinated?" and "What source of information influenced your decision the most?"

<sup>†</sup> Based on National Association of State Public Health Veterinarians, Inc. recommendations endorsed by CDC, the Council of State and Territorial Epidemiologists, and the American Veterinary Medical Association. Additional information available at http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5605a1.htm.

FIGURE. Information sources rated most important by survey respondents (N = 59)\* who pursued rabies postexposure prophylaxis (PEP) for themselves or their children despite lack of exposure to rabies virus as defined by Advisory Committee on Immunization Practices (ACIP)† — Montana, 2008



\* Respondents were asked, "What sources of information helped you decide whether or not your child (or yourself) should be vaccinated?" and "What source of information influenced your decision the most?" Twelve respondents indicated more than one source as being most important. The survey was administered to 73 vaccinees who reported to the vaccination clinic to receive the second dose of the series; 59 respondents returned the survey.

be handled carefully and brought promptly to public health officials for testing.

Risk communication is an integral component of a public health response after potential large-scale exposures (10), including those involving potential exposure to the rabies virus. Many of the persons who pursued PEP in this incident appear to have acted upon advice from community physicians in preference to information provided by public health officials. Clinicians can play an important role in ensuring that only persons with exposure that meet ACIP criteria receive PEP. Coordination among the medical and public health officials involved in a response to a potential large-scale rabies exposure is critical to ensuring the delivery of a unified message to the public regarding the appropriateness of PEP. Timely dissemination of ACIP exposure criteria to local clinicians via the Health Alert Network (HAN) or other communication tools might help ensure that exposed persons receive advice consistent with recommended public health practice.

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<sup>†</sup> According to ACIP, PEP is indicated for persons who report a bite from a rabid animal or report a nonbite exposure (e.g., introduction of rabies virus from saliva or other potentially infectious material, such as neural tissue, into fresh, open cuts in skin or onto mucous membranes). Of 107 persons evaluated, only one person reported a nonbite exposure and was recommended for PEP. All other persons reported indirect contact or activities (e.g., petting or handling an animal, which does not constitute exposure; therefore, PEP was not recommended. A total of 74 persons pursued PEP (one person received the second dose of vaccine at an alternate clinic location).

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# Apparent Disappearance of the Black-White Infant Mortality Gap — Dane County, Wisconsin, 1990–2007

Despite substantial reductions in U.S. infant mortality during the past several decades, black-white disparities in infant mortality persist (1). Among 40 states with sufficient numbers of black infant deaths to generate reliable rates for the years 2002–2004, Wisconsin had the highest black infant mortality rate (IMR) at 17.6 deaths per 1,000 live births, approximately three times the state rate for whites (2). However, in contrast to trends in Wisconsin and the other 39 states, the black IMR in Dane County, Wisconsin, has declined substantially, achieving parity with whites and meeting Healthy People 2010 objective 16-1 for reducing fetal and infant deaths (3). The county rate declined 67%, from 19.4 per 1,000 live births for the period 1990-2001 to 6.4 for the period 2002-2007. To gain understanding of this development, Public Health Madison Dane County (PHMDC) analyzed approximately 100,000 birth and death records from 1990 through 2007 for birthweight, gestational age, prenatal care, and other infant mortality risk factors. The main contributors to the decrease in black infant mortality were a large decrease in the extremely premature (<28 weeks gestation) birth rate and a decrease in the mortality rate for newborns weighing <1,500 g. Because the observed trend in black infant mortality is based on small reductions in the absolute number of deaths (approximately three infants per year), conclusions based on these results should be considered preliminary, and additional studies are needed to confirm the reduction in rates over time. PHMDC is planning continued surveillance and other studies to determine whether the reduction in mortality is stable.

The population of Dane County, including the city of Madison, had grown to more than 472,000 in 2007, with blacks comprising 4.8% of the total. The black population and number of black births per year in the county have approximately doubled since 1990. Black women giving birth in Dane County are predominately poor (\$28,103 median household income versus \$50,927 for whites), and rely on

subsidized health care (62% on Medicaid versus 13% for whites) (Wisconsin Department of Administration [WDA], 2000 U.S. Census, and Wisconsin Department of Health Services [WDHS], unpublished data, 2009). The proportions of black women giving birth who are unmarried (77% versus 19% for whites), and lacking higher education (71% have a high school diploma or less versus 21% for whites) have been stable since 1990 (4).

Wisconsin birth, infant death, and fetal death records (certificates) contain more than 100 data elements that affect birth outcomes, including infant and fetal characteristics, maternal demographics and behaviors, medical conditions diagnosed before and during pregnancy, and complications of labor and delivery. Using 97,590 birth, infant death, and fetal death records compiled by WDHS, mean non-Hispanic black and non-Hispanic white IMRs were calculated for 1990-2001 and 2002–2007. For each period, percentages and mortality rates were calculated, by race, for prematurity (defined as <37 weeks gestation), extreme prematurity (defined as ≤28 weeks gestation), low birthweight (defined as <2,500 g), very low birthweight (defined as <1,500 g), and other risk factors. Locally weighted polynomial regression was used to display the data graphically. Race of infant was assigned according to race of mother. Fetal death was defined according to the standard form\* used in all Wisconsin hospitals throughout the study period as any delivery of 20 weeks or more gestation or if a fetus weighs 350 g or more when death is indicated by the fact that the fetus shows no evidence of life.

During 1990–2007, 79,439 white births, 405 white infant deaths (14–38 per year), 6,410 black births, and 90 black infant deaths (1–10 per year) occurred in Dane County (Table 1). During the 1990s, black-white infant mortality disparity in Dane County was relatively constant and similar to the rest of the state (a black-white ratio of approximately 3:1). In 2002, Dane County black IMRs began to decline, achieving parity with whites during 2004–2007, even though Dane County white IMRs also had improved (Figure).

Analysis of risk factors indentified in birth records showed declines in smoking and teenage pregnancy (especially among persons aged 15–17 years) and an increase in high school graduation for blacks, although significant racial disparities persist (Table 2). The percentage of black women receiving adequate, adequate plus, and intermediate prenatal care (measured by expected number and timing of clinical visits using the Adequacy of Prenatal Care Utilization Index [the Kotelchuck Index]) increased from 81.6% to 85.3%. Improvement in quality of care received is suggested by an increase in maternal

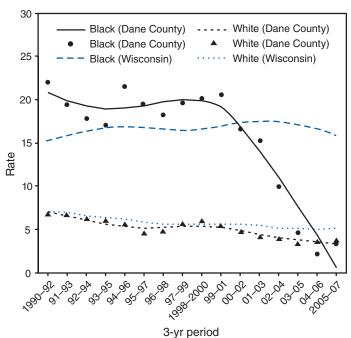
<sup>\*</sup> WDHS, Division of Public Health, Report of Fetal Death, standard form DPH 5042.

TABLE 1. Birth outcomes, by race — Dane County, Wisconsin, 1990–2007

					1990–2001					2	2002–2007			_
Characteristic	Race	No.	Annual mean	%	(95% CI*)	Average rate	(95% CI)	No.	Annual mean	%	(95% CI)	Average rate	(95% CI)	% change <sup>†</sup>
Births§	White Black	52,575 3,756	4,381 313	84.8 6.1	(84.5–85.0) (5.9–6.2)	_	_	26,864 2,654	4,477 442	75.6 7.5	(75.1–76.0) (7.2–7.7)	_	_	2.2 41.2
	All	62,037	5,170	100.0	(J.J-0.2)	_	_	35,547	5,925	100.0	( <i>i.</i> 2- <i>i.</i> 1)	_	_	14.6
Fertility <sup>¶</sup>	White	4,381	_	_	_	45.5	(44.2-46.8)	4,477	_	_	_	46.4	(45.1–47.7)	2.0
	Black	313	_	_	_	82.5	(74.1 - 91.6)	442	_	_	_	82.7	(75.6-90.4)	0.3
	All	5,170	_	_	_	49.5	(48.2-50.8)	5,925	_	_	_	54.5	(53.1–55.8)	10.1
Infant deaths**	White	303	25.3	_	_	5.8	(5.1-6.4)	102	17	_	_	3.8	(3.1-4.6)	-34.0
	Black	73	6.1	_	_	19.4	(15.5-24.4)	17	2.8	_	_	6.4	(4.0-10.2)	-67.0
	All	406	33.8	_	_	6.5	(5.9–7.2)	150	25	_	_	4.2	(3.6–4.9)	-35.5
Fetal deaths††	White	258	21.5	_	_	4.9	(4.3-5.5)	132	22	_	_	4.9	(4.1–5.8)	0.2
	Black	47	3.9	_	_	12.4	(9.3-16.4)	28	4.7	_	_	10.4	(7.2-15.0)	-15.5
	All	339	28.3	_	_	5.4	(4.9–6.0)	188	31.3	_	_	5.3	(4.6–6.1)	-3.1

<sup>\*</sup> Confidence interval.

# FIGURE. Infant mortality rates per 1,000 live births, by race — Wisconsin and Dane County, 3-year moving averages,\* 1990–2007



<sup>\*</sup> Fitted lines and scatter points.

medical conditions recorded on the birth record from 48.9% to 59.4%, and a decrease in birth record reported obstetrical complications from 50.2% to 42.5%, coupled with substantial reductions in infant mortality for black women with reported medical conditions or obstetrical complications (Table 2).

The decrease in infant deaths per 1,000 live births for babies born to black mothers with previous child deaths (from 84.2 IMR [eight of 95] for 1990–2001 to zero IMR [none of 47] for 2002–2007) and to those with previous premature births (from 54.3 IMR for 1990–2001 to 8.1 IMR for 2002–2007) underscores major improvement in birth outcomes among highest-risk pregnancies.

The change in infant mortality risk factors for blacks that most affected the IMR over time was a decline in the percentage of extremely premature births, from 2.8% to 1.1%. The mean IMR of 391 per 1,000 for black infants <1,500 g for 1990–2001 dropped to 154 per 1,000 for 2002–2007, a decline in birthweight-specific mortality of 61%. For all races, during the 18 years studied, 70% of infant deaths occurred during the neonatal period (<28 days of life).

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**Editorial Note:** IMRs reflect the health of infants, their mothers, their families, and the communities into which they are born and are universally recognized as key indicators of the health of populations. The United States ranks poorly among industrialized nations in this regard, largely because of excessive infant mortality among blacks (3). Many have suggested that the black-white infant mortality gap in the United States will not decrease without reducing the high rates of extreme prematurity and very low birthweight births among blacks (3,5,6). In recent years, despite improved gestational age-specific survival, the U.S. black-white infant mortality gap has widened (7,8). In contrast, in Dane County, Wisconsin, decreases in the

<sup>&</sup>lt;sup>†</sup> Computed from the average rates, except for births, for which annual means are used.

<sup>§</sup> Births during the given period; percentage based on all births in the given period.

General fertility; number = average annual count of births; rate = number of births per 1,000 among females aged 15–44 years in the population, estimated by the Wisconsin Department of Health Services, Division of Public Health, Bureau of Health Information and Policy.

<sup>\*\*</sup> For the given period; rate = number of infant deaths per 1,000 live births.

<sup>††</sup> For the given period; rate = number of fetal deaths per 1,000 live births and fetal deaths.

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TABLE 2. Infant mortality risk factors, by race — Dane County, Wisconsin, 1990–2007\*

					1990–20	01				2002	2–2007			_
Risk factor	Race	No.	Preva- lence (%)	(95% CI†)	Total deaths	IMR§	(95% CI)	No.	Preva- lence (%)	(95% CI)	Total deaths	IMR	(95% CI)	% change¶
Birthweight (g)														
≥2,500	White	49,644	94.7	(94.5-94.9)	112	2.3	(1.9-2.7)	25,236	94.3	(94.0-94.5)	28	1.1	(0.7-1.6)	-0.4
	Black	3,223	86.7	(85.6-87.7)	18	5.6	(3.3-8.8)	2,308	87.6	(86.2-88.8)	6	2.6	(0.9-5.6)	1.0
	All	58,179	94.1	(93.9-94.3)	139	2.4	(2.0-2.8)	33,148	93.7	(93.5-94.0)	48	1.5	(1.1-1.9)	-0.4
1,500 to <2,500	White	2,793	5.3	(5.1-5.5)	178	63.7	(54.9-73.4)	1,535	5.7	(5.5-6.0)	63	41.0	(31.7-52.2)	7.5
	Black	495	13.3	(12.2-14.4)	51	103.0	(77.7 - 133.2)	328	12.4	(11.2–13.8)	10	30.5	(14.7–55.3)	-6.5
	All	3,288	5.9	(5.7–6.1)	250	68.7	(60.7–77.4)	2,222	6.3	(6.0-6.5)	88	39.6	(31.9–48.6)	6.6
<1,500	White	499	1.0	(0.9-1.0)	132	264.5	(226.3-305.6)	222	8.0	(0.7-0.9)	47	211.7	(159.9–271.4)	-12.6
	Black	115	3.1	(2.6-3.7)	45	391.3	(301.6–486.7)	52	2.0	(1.5–2.6)	8	153.9	(68.8–280.8)	-36.3
	All	674	1.1	(1.0-1.2)	195	288.5	(254.5–324.2)	321	0.9	(0.8-1.0)	65	202.5	(159.9–250.7)	-16.5
Gestational														
age (wks)	140.0	10 177	04.0	(01.4.01.0)	440	0.4	(0.0.00)	04.000	00.4	(00.1.00.0)	00	4.5	(4.0.0.0)	4.0
≥37	White	48,177	91.6	(91.4–91.9)	116	2.4	(2.0–2.9)	24,298	90.4	(90.1–90.8)	36	1.5	(1.0–2.0)	-1.3
	Black	3,064	81.6	(80.3–82.8)	12	3.9	(2.0-6.8)	2,246	84.6	(83.2–85.9)	4	1.8	(0.5–4.5)	3.7
00.00	All	56,379	90.9	(90.7–91.1)	139	2.5	(2.1–2.9)	31,964	90.0	(89.7–90.3)	54	1.7	(1.3–2.2)	-1.0
29–36	White	4,397	8.4	(8.1–8.6)	175	39.8	(34.2–46.0)	2,569	9.6	(9.2–9.9)	62	24.1	(18.5–30.8)	14.4
	Black	691	18.4	(17.2–19.7)	58	83.9	(64.3–107.2)	409	15.4	(14.0–16.8)	13	31.8	(17.0–53.7)	-16.3
	All	5,640	9.1	(8.9–9.3)	253	44.8	(39.6–50.6)	3,552	10.0	(9.7–10.3)	92	25.9	(20.9–31.6)	9.9
≤28**	White	340	0.7	(0.6–0.7)	122	358.8	(307.8–412.4)	142	0.5	(0.4–0.6)	43	302.8	(228.6–385.5)	-18.5
	Black	105	2.8	(2.3–3.4)	41	390.5	(296.7–490.6)	29	1.1	(0.7–1.6)	7	241.4	(103.0–435.4)	-61.1
	All	489	0.8	(0.7–0.9)	178	364.0	(322.6–407.6)	215	0.6	(0.5–0.7)	60	279.1	(220.2–344.1)	-24.1
Inadequate	\A/laita	1 000	0.4	(0.0.0.6)	10	10.0	(F.O. 1F.7)	000	0.1	(0.0.0.0)	7	0.5	(0.4.175)	10.0
prenatal care††	White	1,802	3.4	(3.3–3.6)	18	10.0	(5.9–15.7)	822	3.1	(2.9–3.3)	7 0	8.5	(3.4–17.5)	-10.2
	Black All	679 3,277	18.4 5.3	(17.2–19.7)	6 28	8.8 8.5	(3.2–19.1)	381	14.7 5.3	(13.4–16.1)	9	0.0 4.9	(0.00–9.7)	-20.0 -0.9
Mother aged	All	3,277	5.5	(5.1–5.5)	20	0.5	(5.7–12.3)	1,850	5.5	(5.0–5.5)	9	4.9	(2.2–9.2)	-0.9
<20 yrs	White	2,146	4.1	(3.9-4.2)	12	5.6	(2.9-9.7)	859	3.2	(3.0-3.4)	5	5.8	(1.9–13.5)	-21.6
120 y.0	Black	952	25.4	(24.0–26.8)	19	20.0	(12.1–31.0)	542	20.4	(18.9–22.0)	6	11.1	(4.1–23.9)	-19.5
	All	3,721	6.0	(5.8, 6.2)	39	10.5	(7.4–14.3)	1,981	5.6	(5.3–5.8)	15	7.6	(4.2–12.4)	-6.8
Unmarried	White	8,374	15.9	(15.6–16.2)	77	9.2	(7.3–11.5)	5,087	18.9	(18.5–19.4)	27	5.3	(3.5–7.7)	18.8
Ommanica	Black	2,825	75.2	(73.8–76.6)	60	21.2	(16.2–27.3)	2,039	76.8	(75.1–78.4)	13	6.4	(3.4–10.9)	2.1
	All	12,482	20.1	(19.8–20.4)	152	12.2	(10.3–14.2)	9,053	25.5	(25.0–25.9)	55	6.1	(4.6–7.9)	26.6
Smoked during	7 (11	12, 102	20.1	(10.0 20.1)	102	12.2	(10.0 11.2)	0,000	20.0	(20.0 20.0)	00	0.1	(1.0 7.0)	20.0
pregnancy	White	7,059	13.4	(13.1-13.7)	68	9.6	(7.5-12.2)	2499	9.4	(9.0-9.7)	13	5.2	(2.8-8.9)	-30.4
p g ,	Black	1,093	29.1	(27.7–30.6)	35	32.0	(22.4–44.3)	588	22.5	(20.9–24.1)	5	8.5	(2.8–19.7)	-22.7
	All	8,396	13.5	(13.3–13.8)	112	13.3	(11.0–16.0)	3,280	9.3	(9.0–9.6)	19	5.8	(3.5–9.0)	-31.4
Previous		*		,			,	,		, ,			,	
pregnancy														
termination§§	White	506	1.0	(0.9-1.0)	11	21.7	(10.9-38.6)	218	8.0	(0.7-0.9)	1	4.6	(0.1-25.3)	-15.6
	Black	98	2.6	(2.1-3.2)	10	102.0	(50.0–179.7)	72	2.7	(2.1-3.4)	1	13.9	(0.3-75.0)	3.8
	All	656	1.1	(1.0-1.1)	23	35.1	(22.3-52.1)	359	1.0	(0.9–1.1)	3	8.4	(1.7–24.2)	-4.7
Previous	147 :-			(4.6.15)		00.5	(474 00 5	== .	<b>.</b> .	(4.6 - 5.5)	_		(0 : :0 =:	0
preterm birth	White	902	1.7	(1.6–1.8)	24	26.6	(17.1–39.3)	561	2.1	(1.9,-2.3)	2	3.6	(0.4–12.8)	21.5
	Black	221	5.9	(5.1–6.7)	12	54.3	(28.3–92.9)	123	4.6	(3.9–5.5)	1	8.1	(0.2–44.5)	-21.3
Decidence (1994	All	1,233	2.0	(1.9–2.1)	39	31.6	(22.5–42.9)	799	2.3	(2.1-2.4)	4	5.0	(1.4–12.8)	13.1
Previous child death <sup>¶</sup>	\\/bi+c	E01	10	(0.0.11)	17	20.6	(10 1 517)	171	0.6	(0 5 0 7)	7	40.0	(16 6 90 F)	25 4
ucaui""	White	521 95	1.0	(0.9–1.1) (2.0–3.1)	17 8	32.6	(19.1–51.7)	171	0.6	(0.5–0.7)	7 0	40.9	(16.6–82.5)	-35.4
	Black	95 711	2.5	,		84.2 40.7	(37.0–159.2)	47 294	1.8 0.8	(1.3–2.3)	7	0.0	(0.0–75.5)	-30.0
Medical	All	/ 11	1.2	(1.1–1.2)	29	40.7	(27.4–58.0)	294	0.8	(0.7–0.9)	/	23.7	(9.6–48.3)	-27.8
condition***	White	15,351	29.2	(28.8–29.6)	151	9.8	(8.3–11.5)	13,134	48.9	(48.3–49.5)	51	3.9	(2.9-5.1)	67.4
SSIGNOT	Black	1,835	48.9	(47.2–50.5)	52	28.3	(21.2–37.0)	1,576	59.4	(57.5–61.2)	11	7.0	(3.5,12.4)	21.5
	All	18,848	30.4	(30.0–30.8)	221	20.3 11.7	(10.2–13.4)	17,308	48.7	(48.2–49.2)	78	4.5	(3.6–5.6)	60.4
Obstetrical	/\li	10,040	00.∓	(00.0 00.0)	<i>LL</i> 1	11.7	(10.2 10.4)	17,000	40.7	(10.2 40.2)	, 0	7.5	(0.0 0.0)	00.7
complication†††	White	24,624	46.8	(46.4–47.3)	183	7.4	(6.4-8.6)	11,478	42.7	(42.1-43.3)	57	5.0	(3.8-6.4)	-8.8
	Black	1,887	50.2	(48.6–51.8)	45	23.9	(17.4–31.8)	1,129	42.5	(40.6–44.4)	12	10.6	(5.5–18.5)	-15.4
	All	29,347	47.3	(46.9–47.7)	248	8.5	(7.4–9.6)	15,042	42.4	(41.8–42.9)	88	5.8	(4.7–7.2)	-10.5
	7 111	20,047	. 7.0	(10.0 71.1)		0.0	(1.7 0.0)	10,072	7L.7	(11.0 72.0)	- 50	0.0	( 1.1 1.2)	.0.0

<sup>\*</sup> From the birth record file, Wisconsin Department of Health Services, Division of Public Health, Bureau of Health Information and Policy.

Confidence interval.

<sup>§</sup> Infant mortality rate = number of infant deaths per 1,000 live births.

<sup>¶</sup> Prevalence change percentage = (2002–2006 prevalence minus 1992–2001 prevalence) x 100 / 1992–2001 prevalence.

<sup>\*\*</sup> Includes all live-born infants ≤28 weeks gestation. Does not include fetal deaths.

th Defined by the Adequacy of Prenatal Care Utilization Index (Kotelchuck Index) as care started after the fourth month or number of visits less than 50% of American College of Obstetrics and Gynecology recommendation.

of Obstetrics and Gynecology recommendation.

Includes termination by spontaneous or induced abortion.

Includes termination by spontaneous or induced abortion by sp

rates of extreme prematurity and very low birthweights and increases in birthweight and gestational age-specific survival appear to have eliminated the black-white infant mortality gap. Thus, during 2002–2007, 34 black infants who might have died, survived, and 45 who might have been born extremely premature, at high risk for life-long disabilities, were instead born at or closer to term.

The apparent disappearance of the black-white infant mortality gap in Dane County is likely attributed to the convergence of the two related but independent trends: greater survival of high-risk infants and fewer high-risk infants being born. The main factors for these trends were a large decline in the extremely premature (<28 weeks gestation) birth rate and a decline in the mortality rate for babies born weighing <1,500 g. Although extremely premature babies constitute a very small percentage of total live births, their IMR is approximately 100 times that of term infants, and they account for approximately half of all infant deaths (population-attributable fraction [PAF] for all races = 51%, PAF for blacks = 70%) (9). Extremely premature births account for the larger part of the black-white infant mortality gap in Dane County and nationally (2,9,10). The local trend toward fewer extremely premature births among blacks appears to have begun in the mid-1990s, followed by marked improvements in survival of extremely premature and low-birthweight infants born at local hospitals.

No significant changes in local health-care systems, infrastructure, or practice that correspond to these improvements have been identified. Nearly all (98%) of Dane County births occur at two local hospitals, both of which have full obstetrical services and level-three neonatal intensive-care units (WDA, 2000 U.S. Census, and WDHS hospital discharge data, personal communication, February 2009). No other hospitals in the county offer obstetrical services and delivery. During the study period, no changes in routine or high-risk obstetrical or neonatal referral patterns were recognized.

Factors that might contribute to improved birth outcomes are broader health insurance coverage, advances in prenatal and postnatal care, and targeted public health programs such as Perinatal Care Coordination services and the federal Women, Infants, and Children health-care and nutrition program. These targeted programs are available statewide, suggesting that differences in health-care access and quality specific to Dane County, and community quality-of-life elements, including improved neighborhood safety, organizational support and advocacy for black women and families, social inclusion, and improved economic status, might be important variables for further study.

Conclusions based on these data should be considered preliminary because closer examination of demographics trends in Dane County are needed to understand the small changes in annual number of black infant deaths. The declining black infant mortality in Dane County has continued since 2002 and coincides with a growing black population of stable fertility. The steadily declining rate of extremely premature births, which began in the mid-1990s, represents larger annual numbers than infant deaths, and thereby might provide additional insight into these trends.

The findings in this report are subject to at least four limitations. First, delivery room misclassification of infant death as fetal death might occur, thereby artificially reducing the rate of infant deaths. However, systematic misclassification appears unlikely because both fetal death and infant death declined during the study period. Second, vital records do not provide information on important contextual risk factors for infant mortality (e.g., paternal involvement and quality of prenatal care). Also, vital records have poor validity for reporting medical risk factors and complications of pregnancy, and often lack details on cause of death. Third, key health-care variables such as neonatal intensive-care unit admissions and health insurance coverage were not examined. Finally, improved or expanded birth record coding, if it occurred, might be mistaken for improvement in quality of care.

These findings should be interpreted with caution and studied further to determine if the apparent reduction in deaths is an artifact or can be attributed to yet unidentified factors, such as changes in medical care or population characteristics. PHMDC, in collaboration with state and local health departments and the University of Wisconsin, has initiated an in-depth, follow-up investigation to include interviews with mothers, hospital chart reviews, and community resource assessments. Detailed vital records analyses are planned comparing Dane County to other population centers in Wisconsin where excessive infant mortality persists. The collaborative investigation will document and compare pre-, peri-, and postnatal care; individual characteristics of pregnant women; and the social and physical environments in which those women live. These pending analyses could reveal key factors contributing to fewer black extremely premature births and associated improved survival of extremely premature and low-birthweight infants in Dane County. Public health officials who conduct similar evaluations of IMRs in their local jurisdictions should be alert for similar infant mortality patterns during this period. Reports from such studies could provide supporting information to aid in understanding these preliminary findings and direct future research.

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### Notice to Readers

### Healthy Vision Month - May 2009

May is Healthy Vision Month, a national observance devoted to promoting the 10 vision objectives (28-1 through 28-10) in *Healthy People 2010* that are used to gauge the burden of visual impairment and level of eye care in the United States (1). This year's theme for Healthy Vision Month is Your Eyes

Are the Windows to Your Health, with the focus on reducing the prevalence of uncorrected refractive errors, one of the most common and correctable vision problems in the United States, and having eyes examined regularly.

At CDC, the Vision Health Initiative seeks to prevent vision loss, promote eye health, and coordinate prevention, disease management, and rehabilitation efforts. Additional information is available at http://www.cdc.gov/diabetes/projects/vision.htm.

#### Reference

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### Notice to Readers

### Webcast: Immunization Update 2009

CDC will present a satellite broadcast and webcast, Immunization Update 2009, on July 30, 2009. The 2.5-hour broadcast will occur live during 9:00 a.m.–11:30 a.m. (EDT) and will be rebroadcast that day during 12:00 noon–2:30 p.m.

Anticipated topics include the novel influenza A (H1N1) virus, seasonal influenza, rotavirus, vaccine safety, and vaccine supply. "Alternative" vaccination schedules and other emerging vaccine issues also will be discussed. Both broadcasts will feature a live question-and-answer session in which participants can interact with course instructors via toll-free telephone lines. Additional information about the program is available at http://www2a.cdc.gov/phtn/immupdate2009/default.asp.

No registration is necessary to access the webcast. Continuing education credit for this activity is pending. The program will become available as a self-study DVD and Internet-based program in October 2009.

TABLE I. Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending May 23, 2009 (20th week)\*

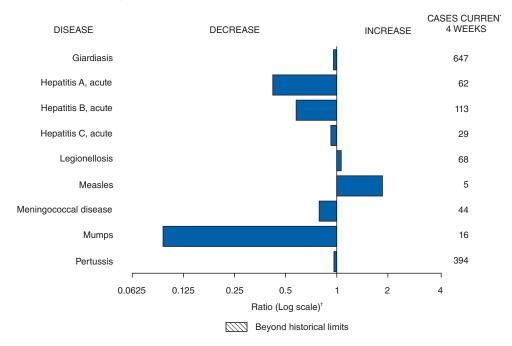
	Current	Cum	5-year weekly			ases re		İ	States reporting cases
Disease	week	2009	average <sup>†</sup>	2008	2007	2006	2005	2004	during current week (No.)
Anthrax		_	_		1	1			
Botulism:									
foodborne	_	6	0	17	32	20	19	16	
infant	_	20	2	108	85	97	85	87	
other (wound and unspecified)	_	11	0	19	27	48	31	30	
Brucellosis	_	34	3	77	131	121	120	114	
Chancroid Cholera	_	16 2	0 0	26 3	23 7	33 9	17 8	30 6	
Cyclosporiasis <sup>§</sup>	_	30	17	139	93	137	543	160	
Diphtheria		_		- 100	_	- 107	J45	—	
Domestic arboviral diseases <sup>§</sup> ,¶:									
California serogroup	_	_	0	62	55	67	80	112	
eastern equine	_	_	_	4	4	8	21	6	
Powassan	_	_	0	2	7	1	1	1	
St. Louis	_	_	0	13	9	10	13	12	
western equine	_	_	_	_	_	_	_	_	
Ehrlichiosis/Anaplasmosis§,**:									
Ehrlichia chaffeensis	5	64	8	1,098	828	578	506	338	MO (2), MD (1), NC (1), TN (1)
Ehrlichia ewingii	_		_	9	-		700		011(4)
Anaplasma phagocytophilum	1	27	8	739	834	646	786	537	OH (1)
undetermined Haemophilus influenzae,††	5	16	4	158	337	231	112	59	IN (4), MO (1)
invasive disease (age <5 yrs):									
serotype b	_	11	0	28	22	29	9	19	
nonserotype b	4	79	3	237	199	175	135	135	NC (2), FL (1), AZ (1)
unknown serotype	3	76	4	166	180	179	217	177	OH (2), FL (1)
Hansen disease§	2	21	2	80	101	66	87	105	CA (1), HI (1)
Hantavirus pulmonary syndrome§	_	1	1	18	32	40	26	24	2(.), (.)
Hemolytic uremic syndrome, postdiarrheal§	4	45	4	289	292	288	221	200	OH (1), MO (1), MD (1), VA (1)
Hepatitis C viral, acute	9	303	15	868	845	766	652	720	NY (2), PA (2), IA (5)
HIV infection, pediatric (age <13 years)§§	_	_	3	_	_	_	380	436	
Influenza-associated pediatric mortality <sup>§</sup> ,¶¶	1	63	2	88	77	43	45	_	OH (1)
Listeriosis	2	167	10	760	808	884	896	753	NY (1), FL (1)
Measles***	5	21	2	141	43	55	66	37	PA (1), FL (4)
Meningococcal disease, invasive†††:	_								NO (1) TV (1)
A, C, Y, and W-135	5	121	6	341	325	318	297	_	NC (4), TX (1)
serogroup B	_ 1	54 9	3 1	186 34	167 35	193 32	156 27		NC (1)
other serogroup unknown serogroup	6	212	13	602	550	651	765	_	NC (1) NY (1), MO (1), MD (1), TX (1), CA (2)
Mumps	3	130	80	449		6,584	314	258	NY (1), NC (1), FL (1)
Novel influenza A virus infections§§§	_	7927	_	2	4	0,504 N	N	N	141 (1), 140 (1), 12(1)
Plague	_	_	0	1	7	17	8	3	
Poliomyelitis, paralytic	_	_	_	_	_	_	1	_	
Polio virus infection, nonparalytic§	_	_	_	_	_	N	N	N	
Psittacosis§	_	6	0	9	12	21	16	12	
Q fever total <sup>§</sup> ,¶¶¶:	1	23	3	120	171	169	136	70	
acute	1	20	1	108	_	_	_	_	MO (1)
chronic	_	3	0	12	_	_	_	_	
Rabies, human	_		_	.1	1	3	2	7	
Rubella****	_	1	0	17	12	11	11	10	
Rubella, congenital syndrome SARS-CoV <sup>§</sup> ,††††	_	1	_	_	_	1	1	_	
Smallpox§	_	_	_	_	_	_	_	_	
Streptococcal toxic-shock syndrome§	2	<u>—</u> 65	3	158	132	125	129	132	CT (1), OH (1)
Syphilis, congenital (age <1 yr)	_	56	3 7	416	430	349	329	353	O1 (1), O11 (1)
Tetanus	_	4	1	19	28	41	27	34	
Toxic-shock syndrome (staphylococcal)§	_	31	1	73	92	101	90	95	
Trichinellosis	_	9	0	38	5	15	16	5	
Tularemia	1	9	3	122	137	95	154	134	OH (1)
Typhoid fever	4	119	6	444	434	353	324	322	MD (2), GA (1), HI (1)
Vancomycin-intermediate Staphylococcus aureus	§ 2	23	0	62	37	6	2	_	MO (1), FL (1)
Vancomycin-resistant Staphylococcus aureus§	_	_	0	_	2	1	3	1	
Vibriosis (noncholera Vibrio species infections)§	9	72	3	490	549	N	N	N	GA (1), FL (6), WA (1), CA (1)
Yellow fever	_	_	_	_	_	_	_	_	

See Table I footnotes on next page.

# TABLE I. (Continued) Provisional cases of infrequently reported notifiable diseases (<1,000 cases reported during the preceding year) — United States, week ending May 23, 2009 (20th week)\*

- -: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts.
  - \* Incidence data for reporting year 2008 and 2009 are provisional, whereas data for 2004, 2005, 2006, and 2007 are finalized.
- <sup>†</sup> Calculated by summing the incidence counts for the current week, the 2 weeks preceding the current week, and the 2 weeks following the current week, for a total of 5 preceding years. Additional information is available at http://www.cdc.gov/epo/dphsi/phs/files/5yearweeklyaverage.pdf.
- § Not notifiable in all states. Data from states where the condition is not notifiable are excluded from this table, except starting in 2007 for the domestic arboviral diseases and influenza-associated pediatric mortality, and in 2003 for SARS-CoV. Reporting exceptions are available at http://www.cdc.gov/epo/dphsi/phs/infdis.htm.
- Includes both neuroinvasive and nonneuroinvasive. Updated weekly from reports to the Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases (ArboNET Surveillance). Data for West Nile virus are available in Table II.
- \*\* The names of the reporting categories changed in 2008 as a result of revisions to the case definitions. Cases reported prior to 2008 were reported in the categories: Ehrlichiosis, human monocytic (analogous to E. chaffeensis); Ehrlichiosis, human granulocytic (analogous to Anaplasma phagocytophilum), and Ehrlichiosis, unspecified, or other agent (which included cases unable to be clearly placed in other categories, as well as possible cases of E. ewingii).
- †† Data for H. influenzae (all ages, all serotypes) are available in Table II.
- §§ Updated monthly from reports to the Division of HIV/AIDS Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. Implementation of HIV reporting influences the number of cases reported. Updates of pediatric HIV data have been temporarily suspended until upgrading of the national HIV/AIDS surveillance data management system is completed. Data for HIV/AIDS, when available, are displayed in Table IV, which appears quarterly.
- III Updated weekly from reports to the Influenza Division, National Center for Immunization and Respiratory Diseases. Sixty-two influenza-associated pediatric deaths occurring during the 2008-09 influenza season have been reported.
- \*\*\* Of the five measles cases reported for the current week, three were indigenous, and two were imported.
- ††† Data for meningococcal disease (all serogroups) are available in Table II.
- These cases were obtained from state and territorial health departments in response to novel Influenza A (H1N1) infections and include cases in addition to those reported to the National Notifiable Diseases Surveillance System (NNDSS). Because of the volume of cases and the method by which they are being collected, a 5-year weekly average for this disease is not calculated.
- In 2008, Q fever acute and chronic reporting categories were recognized as a result of revisions to the Q fever case definition. Prior to that time, case counts were not differentiated with respect to acute and chronic Q fever cases.
- \*\*\*\* No rubella cases were reported for the current week.
- titt Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Zoonotic, Vector-Borne, and Enteric Diseases.

# FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals May 23, 2009, with historical data



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

#### Notifiable Disease Data Team and 122 Cities Mortality Data Team

Patsy A. Hall

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TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending May 23, 2009, and May 17, 2008 (20th week)\*

		(	Chlamyd	ia <sup>†</sup>			Cocc	idiodomy	/cosis			Cry	otosporidi	osis	
		Previ					Prev						ious		
Danastina assa	Current	52 we		Cum	Cum	Current	52 w		Cum	Cum	Current		veek	Cum	Cum
Reporting area United States	week 8,356	Med 22,723	Max 25,699	<b>2009</b> 404,893	<b>2008</b> 449,083	<u>week</u> 	Med 131	333	<b>2009</b> 2,757	<b>2008</b> 2,558	<u>week</u> 46	Med 109	<u>Max</u> 481	<b>2009</b> 1,545	<b>2008</b> 1,542
New England	841	745	1,655	15,218	13,602	<i>75</i>	0	0	2,757	2,556	40	5	23	89	133
Connecticut	176	229	1,306	4,461	3,535	N	0	0	N	Ň	_	0	9	9	41
Maine§ Massachusetts	— 575	48 326	72 950	949 7,550	984 6,669	N N	0 0	0 0	N N	N N	_	1 2	6 13	9 35	7 38
New Hampshire	1	33	63	430	805		0	0		1	_	1	4	16	25
Rhode Island§	62	53	244	1,368	1,181	 N	0	0	 N	_ N	_	0	3 7	2	3
Vermont <sup>§</sup> Mid. Atlantic	27 1,791	21 2,852	53 6,734	460 57,514	428 57,455	IN	0	0	IN		<u> </u>	13	35	18 192	19 192
New Jersey	- 1,791	381	769	6,310	8,911	N	Ö	0	N	N	_	0	4	1	15
New York (Upstate)	469	584	4,563	11,636	9,982	N	0	0	N	N	2	4	17	51	52
New York City Pennsylvania	1,001 321	1,111 792	3,130 1,072	24,010 15,558	22,265 16,297	N N	0	0 0	N N	N N	3	1 5	8 15	27 113	37 88
E.N. Central	709	3,403	4,382	56,252	75,951	_	0	3	13	20	9	26	125	341	353
Illinois Indiana	_	1,058 398	1,356 713	14,519 8,447	22,642 8,506	N N	0	0	N N	N N	_	2 3	13 17	18 52	35 43
Michigan	464	827	1,264	17,166	18,398	_	0	3	5	15	1	5	13	71	75
Ohio	58	783	1,300	9,506	17,873		0	2	8	5	5	7	59	115	81
Wisconsin	187	376	494	6,614 24,458	8,532	N	0	0 1	N 1	N	3 6	8	46	85	119 234
W.N. Central lowa	240	1,317 191	1,547 257	3,601	25,649 3,359	N	0	Ö	Ń	N	1	16 4	68 30	218 47	50
Kansas Minnesota	126	187 266	401 316	3,831 4,207	3,466 5.690	N	0	0	<u>N</u>	N	3	1 4	8 14	23 49	19 58
Missouri	86	494	576	9,821	9,421	_	0	1	1	_	2	3	13	43	52
Nebraska§	28	97	254	1,723	1,919	N	0	0	N	N	_	2	8	25	37
North Dakota South Dakota	_	25 56	60 85	156 1,119	727 1,067	N N	0 0	0 0	N N	N N	_	0 1	10 9	1 30	18
S. Atlantic	1,298	4,544	5,730	68,210	85,870	_	0	1	4	2	16	21	49	314	278
Delaware	96	68	180	1,878	1,415	_	0	1	1	_	_	0	1	_	6
District of Columbia Florida	524	124 1,386	229 1,906	2,447 28.425	2,702 28,234	N	0 0	0 0	N	N	4	0 8	2 35	98	6 124
Georgia	4	744	1,909	7,168	14,909	N	0	0	N	N	2	6	13	127	86
Maryland <sup>§</sup> North Carolina	_	443 801	772 1,814	7,621	8,894 6,807	 N	0	1 0	3 N	2 N	1 7	1	5 16	12 43	6 9
South Carolina§	672	534	887	8,465	10,161	N	Ö	0	N	N	1	i	6	16	13
Virginia <sup>§</sup> West Virginia		616 68	903 101	10,734 1,472	11,441 1,307	N N	0	0	N N	N N	1	1 0	4 3	13 5	19 9
E.S. Central	1,238	1,694	2,166	34.043	31,324	_	0	0		_	_	3	9	49	44
Alabama§	· —	475	580	8,569	9,811	N	0	0	N	N	_	1	6	12	18
Kentucky Mississippi	172 487	243 440	380 841	4,110 9,600	4,066 6,811	N N	0 0	0 0	N N	N N	_	1 0	4 2	14 4	8
Tennessee§	579	560	796	11,764	10,636	N	Ö	ő	Ň	N	_	1	5	19	15
W.S. Central	307	2,873	3,987	53,974	57,099	_	0	1		2	2	8	272	55	69
Arkansas <sup>§</sup> Louisiana	161 133	278 434	417 1,114	5,767 7,273	5,487 7,599	N —	0	0 1	N	N 2	_	1	10 5	10 6	13 13
Oklahoma	_	199	1,753	2,225	5,201	N	0	0	N	N	2	2	16	25	15
Texas§	13	1,964	2,511	38,709	38,812	N	0 91	0	N 1.005	N 1 745	_	3 8	258	14	28
Mountain Arizona	444 50	1,381 455	2,145 627	23,836 6,405	28,418 9,463	44 44	90	211 209	1,925 1,893	1,745 1,697		1	38 10	108 11	120 12
Colorado	147	323	1,108	6,474	6,908	N	0	0	N	N	1	2	12	30	24
Idaho <sup>§</sup> Montana <sup>§</sup>	29 14	69 59	314 89	1,386 1,185	1,392 1,204	N N	0	0	N N	N N	1	1	5 4	15 13	23 14
Nevada <sup>§</sup>	171	175	365	3,950	3,884	_	1	3	25	24	_	0	4	6	5
New Mexico§ Utah	_	159 87	540 251	2,452 1,125	2,708 2,304	_	0 0	2 1	2 5	16 8	_	2 0	23 6	24 1	25 10
Wyoming§	33	33	97	859	555	_	ő	i	_	_	_	Ö	2	8	7
Pacific	1,488	3,665	4,605	71,388	73,715	31	37	172	814	788	6	9	31	179	119
Alaska California	43 1,148	89 2,873	199 3,583	1,763 56,304	1,842 57,104	N 31	0 37	0 172	N 814	N 788	4	0 6	1 14	2 100	1 74
Hawaii	26	115	247	2,176	2,237	N	0	0	N	N	_	0	1	1	1
Oregon <sup>§</sup> Washington	 271	187 403	631 557	3,576 7,569	4,088 8,444	N N	0 0	0 0	N N	N N		1 2	29 10	56 20	21 22
American Samoa		0	8	-,503	62	N	0	0	N	N	N	0	0	N	N
C.N.M.I.	_	_	_	_	_		_	_	_	_		_	_	_	
Guam Puerto Rico	167	4 135	24 269	2,960	57 2,649	N	0 0	0	N	N	N	0 0	0	N	N
U.S. Virgin Islands	101	9	40	106	268		0	0				0	0		

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

\* Incidence data for reporting year 2008 and 2009 are provisional. Data for HIV/AIDS, AIDS, and TB, when available, are displayed in Table IV, which appears quarterly.

† Chlamydia refers to genital infections caused by *Chlamydia trachomatis*.

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 23, 2009, and May 17, 2008 (20th week)\*

			Giardiasi	s				Gonorrhe	а		пае		s <i>infl</i> uenz s, all sero		ive
			rious reeks					vious veeks					rious reeks		
Reporting area	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008
United States	162	315	640	5,378	5,713	1,977	5,985	7,164	94,101	126,057	43	49	126	1,037	1,233
New England	1	28	64	398	483	94	98	301	1,859	1,853	_	3	18	72	62
Connecticut Maine <sup>§</sup>	1	5 4	14 12	76 73	117 43	38	53 2	275 9	849 56	758 34	_	0 0	12 2	24 10	6 6
Massachusetts	_	11	27	150	208	52	38	112	771	875	_	1	5	32	38
New Hampshire Rhode Island <sup>§</sup>	_	3 1	10 8	33 18	38 31	4	2 6	6 16	40 120	48 127	_	0 0	2 7	2 2	5 1
Vermont§	_	3	15	48	46	_	1	4	23	11	_	0	1	2	6
Mid. Atlantic New Jersey	33	61 8	116 21	1,008 85	1,128 188	334	607 83	1,138 144	11,103 1,267	12,397 2,086	4	10 1	25 7	201 14	224 37
New York (Upstate)	20	23	81	408	356	82	116	664	2,120	2,305	_	3	20	52	58
New York City Pennsylvania	3 10	15 16	30 46	279 236	328 256	201 51	210 193	577 267	4,310 3,406	3,754 4,252	4	2 4	5 10	41 94	41 88
E.N. Central	23	45	89	749	866	224	1,154	1,627	17,169	27,216	6	6	27	114	189
Illinois	_	10	32	101	230	_	367	499	4,196	7,605	_	2	9	31	62
Indiana Michigan	N 1	0 12	11 22	N 209	N 192	 151	154 293	256 493	2,764 5,613	3,455 6,952	_	1 1	22 3	21 12	37 12
Ohio Wisconsin	19 3	16 8	31 20	298 141	302 142	12 61	254 103	482 149	2,846 1,750	6,672 2,532	6	1 0	6	43 7	62 16
W.N. Central	3 17	26	143	521	589	44	305	393	5,209	6,429	1	3	2 15	7 71	92
Iowa	10	6	18	92	98	_	30	53	565	587	_	0	0	_	2
Kansas Minnesota	1	3 0	11 106	48 137	38 191	14	40 50	83 78	870 670	859 1.267	_	0	2 10	9 15	10 18
Missouri	6	8	22	169	163	21	144	184	2,454	3,040	1	1	4	33	43
Nebraska <sup>§</sup> North Dakota	_	3 0	10 16	47 3	68 6	9	27 1	50 7	499 6	533 46	_	0 0	2 4	11 3	13 6
South Dakota	_	2	11	25	25	_	8	20	145	97	_	Ö	0	_	_
S. Atlantic	52	65	108	1,294	934	446	1,531	2,142	18,970	29,998	26	12	23	312	310
Delaware District of Columbia	_	1 0	3 5	11	16 21	15 —	16 52	35 89	313 1.000	458 930	_	0	2 2	3	3 2
Florida	39	31	57	678	415	201	419	592	8,140	9,530	7	4	9	115	79
Georgia Maryland <sup>§</sup>	9 1	13 6	63 10	330 84	213 87	1 —	263 121	876 212	2,355 1,990	5,464 2,329	1 1	2 1	9 6	68 40	69 52
North Carolina South Carolina§	N 2	0 2	0 8	N 37	N 45	 229	302 167	647 316	2,543	3,547 3,765	17	1	6 5	37 22	30 27
Virginia <sup>§</sup>	1	8	31	138	107		163	321	2,343	3,669	_	1	5	12	39
West Virginia	_	1	5	16	30	_	12	26	209	306	_	0	3	15	9
E.S. Central Alabama§	5	8 4	22 12	111 52	149 79	372	544 165	771 216	9,781 2,464	11,279 3,878	1	3 0	6 3	61 17	72 8
Kentucky	N	0	0	N	N	67	86	153	1,221	1,561	_	0	2	7	6
Mississippi Tennessee§	N 5	0 4	0 13	N 59	N 70	152 153	143 159	253 301	2,923 3,173	2,557 3,283	_ 1	0 2	1 5	37	11 47
W.S. Central	3	8	22	108	98	132	946	1,307	15,480	19,630	2	2	22	51	60
Arkansas§	1	2	8 10	42	42	79	86	167	1,706	1,710	_	0	2	8	5
Louisiana Oklahoma	2	2 3	18	37 29	33 23	47 —	158 70	421 437	2,197 1,139	3,564 1,903	2	1	1 20	8 35	5 45
Texas§	N	0	0	N	N	6	592	725	10,438	12,453	_	0	1	_	5
Mountain Arizona	6	27 3	62 10	377 62	448 41	41 11	200 57	370 82	3,189 731	4,716 1,414	2 2	5 1	11 7	108 42	155 65
Colorado	6	9	27	125	171	6	62	292	1,242	1,408	_	i	5	29	27
Idaho <sup>§</sup> Montana <sup>§</sup>	_	3 2	14 9	36 36	48 24	1	3 2	13 6	38 34	63 44	_	0 0	2 1	2 1	6 1
Nevada <sup>§</sup>	_	2	8	27	38	23	34	86	724	998	_	0	2	9	8
New Mexico§ Utah	_	1 7	8 18	28 47	34 79	_	23 6	52 15	332 62	514 237	_	1 0	3 2	14 11	24 24
Wyoming§	_	1	4	16	13	_	2	8	26	38	_	0	2	_	_
Pacific Alaska	22	54 2	127 10	812 23	1,018 28	290 9	580 13	756 24	11,341 284	12,539 198	1 1	2	11 2	47 4	69 8
California	15	34	59	571	711	253	484	658	9,580	10,296		0	3	7	27
Hawaii Oregon <sup>§</sup>	_	0 7	4 60	4 116	14 172	3	13 23	20 48	244 389	219 502	_	0 1	2 10	13 20	7 25
Washington	7	7	74	98	93	25	51	81	844	1,324	_	Ó	2	3	2
American Samoa	_	0	0	_	_	_	0	1	_	2	_	0	0	_	_
C.N.M.I. Guam	_			_	_	_	_	— 15	_	 19	_			_	_
Puerto Rico	_	3	15	25	54	9	4	16	85	107	_	0	1	_	_
U.S. Virgin Islands	_	0	0	_	_	_	2	6	23	47	N	0	0	N	N

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Med: \*Incidence data for reporting year 2008 and 2009 are provisional.

† Data for *H. influenzae* (age <5 yrs for serotype b, nonserotype b, and unknown serotype) are available in Table I.

§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS). Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 23, 2009, and May 17, 2008 (20th week)\*

Delaware					Hepat	itis (viral,	acute), by	type†								
Performance				Α					В				Le	gionellosi	s	
Reporting area   Week   Med   Max   2009   2008   Week   Med   Max   2009   Week   Med   Ma		Commont			C	C	Commont			C	C	Cumant			C	C
New Figure	Reporting area															
ConneGiciart — 0 4 4 9 110 — 0 3 4 12 — 0 5 6 6 7 7 18 18 18 18 18 18 18 18 18 18 18 18 18	United States	15	40	89	638	1,045	33	72	193	1,191	1,426	16	51	152	523	679
Maine#														18		36
New Hampshire	Maine§		0	5	1	3		0	2	5	5		0	2	_	1
Phode Island*		_					_									
Mid. Atlante	Rhode Island§	_	0	2	3	8		0	1	_	2		0	14		8
New Jork Cyto Cyto Cyto Cyto Cyto Cyto Cyto Cyto		_													-	
New York City	New Jersey	_	1	5	5	28	_	1	5	8	56	_	2	14	6	17
EM. Central Illinois — 1 5 11 75 159 2 9 9 20 156 172 5 8 41 97 151 Illinois — 1 5 16 56 — 2 7 17 17 51 — 2 13 8 23 Indiana — 0 3 5 16 56 — 2 7 17 75 15 — 2 13 8 23 Indiana — 0 1 5 16 56 — 2 7 17 75 15 — 2 13 8 23 Indiana — 1 5 27 61 1 2 2 8 4 99 63 — 2 16 7 16 7 10 Michigan — 1 5 27 61 1 2 2 8 4 99 63 — 2 16 7 18 43 20 Michigan — 1 5 27 61 1 1 2 8 8 49 63 — 2 16 7 18 48 30 Michigan — 2 1 16 7 18 4 3 2 16 6 — 1 2 8 18 18 59 68 8 90 68 90 68 90 68 90 60 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		_						-								
Illinois	•															
Indiana																
Ohio 2 1 4 222 16 1 2 13 50 42 5 3 18 59 68 Wisconsin — 0 3 5 16 — 0 3 16 6 6 — 0 3 5 7 7 W.N. Central — 2 16 45 133 1 2 16 70 26 1 2 8 17 31 Lowa — 0 6 6 6 6 61 — 0 3 10 8 — 0 2 7 7 7 Kansas — 0 1 1 4 9 — 0 3 10 8 — 0 1 1 2 8 11 1 1 Minnesbat — 0 1 2 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Indiana	_		3	5	10	_	1	18	24	10		1	6	7	10
W.N. Central																
lowa		_					_									
Kansas		_														
Missouri		_					_							1	1	
North Dakota	Missouri	_	0	3	15	15	1	1	5	35	12		1	7		10
South Dakota		_					_					_				
Delaware		_					_					_				
District of Columbia   U	S. Atlantic	6					11									
Georgia 1 1 1 4 21 23 — 3 9 54 57 — 1 5 18 11 Maryland® — 1 4 4 16 16 — 2 6 6 37 34 — 2 9 22 30 North Carolina 1 1 9 17 9 6 0 19 113 41 — 0 7 22 8 South Carolina® — 0 3 10 6 1 1 5 12 30 — 0 2 2 2 2 2 Virginia® — 1 6 9 16 — 2 10 26 38 — 1 5 10 17 West Virginia — 0 1 6 9 16 — 2 10 26 38 — 1 5 10 17 West Virginia — 0 1 9 111 19 3 8 1 115 145 2 2 10 26 31 Alabama® — 0 2 2 2 4 1 2 7 36 40 — 0 2 2 4 4 4 Kentucky — 0 3 1 8 — 1 1 11 16 Mississippi — 0 2 2 5 — 1 1 3 5 144 — 0 1 1 — — 1 1 11 16 Mississippi — 0 2 2 5 — 1 1 3 5 144 — 0 1 1 — — 1 1 16 Mississippi — 0 2 5 — 1 1 3 5 144 — 0 1 1 — — 1 1 11 16 Mississippi — 0 2 2 5 — 1 1 3 5 144 — 0 1 1 — — 1 1 11 16 Mississippi — 0 2 2 5 — 1 1 3 5 144 — 0 1 1 — — 1 1 1 10 Mississippi — 0 2 2 5 — 1 1 3 5 144 — 0 1 1 — — 1 1 10 Mississippi — 0 2 2 5 — 1 1 3 5 144 — 0 1 1 — — 1 1 1 10 Mississippi — 0 2 2 2 6 — 1 1 4 1 16 36 — 0 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	District of Columbia		0	0	Ú	U		0	0	U	U	_	0	2	_	4
Maryfands		-	3 1				4									
South Carolina   Sout	Maryland <sup>§</sup>	_	į	4	16	16	_	2	6	37	34		2	9	22	30
West Virginia			1 0													
E.S. Central		_														
Alabama\( \begin{array}{c c c c c c c c c c c c c c c c c c c	•	_														
Mississippi         —         0         2         5         —         —         1         3         5         14         —         0         1         —         —         Tranessees         —         0         6         3         7         2         3         8         43         49         2         0         5         11         11           W.S. Central         —         4         43         65         96         6         11         96         172         292         —         2         21         20         18           Arkansas*         —         0         1         4         3         —         1         5         133         17         —         0         2         1         1           Colviana         —         0         6         1         3         3         2         16         43         29         —         0         6         1         1         1           Louisiana         —         0         6         1         3         3         2         16         43         29         —         0         6         1         1         2 <tr< td=""><td>Alabama§</td><td>_</td><td></td><td>2</td><td>2</td><td>4</td><td></td><td>2</td><td>7</td><td>36</td><td>40</td><td>_</td><td>0</td><td>2</td><td>4</td><td>4</td></tr<>	Alabama§	_		2	2	4		2	7	36	40	_	0	2	4	4
W.S. Central         —         4         43         65         96         6         11         96         172         292         —         2         21         20         18           Arkansas§         —         0         1         4         3         —         1         5         13         17         —         0         2         1	Mississippi	_	0	2	5	_	_	1	3	5	14	_	0	1	_	_
Arkansas\$ — 0 1 4 3 — 1 5 13 17 — 0 2 1 1 1 Louisiana — 0 2 2 1 2 6 — 1 4 16 36 — 0 2 1 1 1 Louisiana — 0 2 2 2 6 — 1 4 16 36 — 0 2 1 1 1 Texas\$ — 0 6 1 3 3 2 16 43 29 — 0 6 1 1 1 Texas\$ — 3 37 58 84 3 7 74 100 210 — 1 19 17 14 Mountain — 3 3 31 53 79 — 3 10 46 65 — 2 8 30 31 Arizona — 2 28 29 28 — 1 5 23 25 — 0 3 15 8 Colorado — 0 2 2 7 17 — 0 3 8 9 — 0 2 1 3 15 8 Colorado — 0 1 — 12 — 0 2 2 2 3 — 0 1 — 1 — 1 Montana\$ — 0 1 1 — 12 — 0 2 2 2 3 — 0 1 1 — 1 4 Montana\$ — 0 1 3 6 2 — 0 3 6 19 — 0 2 4 3 Nevada\$ — 0 1 3 6 2 — 0 3 6 19 — 0 2 2 4 3 Nevada\$ — 0 1 5 14 — 0 2 2 4 7 7 — 0 2 5 5 8 New Mexico\$ — 0 1 5 14 — 0 2 2 4 7 7 — 0 2 5 5 8 New Mexico\$ — 0 1 5 14 — 0 2 2 4 7 7 — 0 2 2 — 3 Utah — 0 0 1 3 3 — 0 1 1 — 1 — 1 — 0 2 5 5 8 Neyoring\$ — 0 0 0 — 3 0 0 1 3 3 1 4 — 0 2 2 5 8 8 Neyoring\$ — 0 0 1 3 2 2 1 0 1 3 4 — 0 1 2 5 8 8 Neyoring\$ — 0 0 0 0 — 3 0 0 1 0 1 — 1 0 0 0 0 — 1 1 1 4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		_														
Oklahoma Texas§         —         0         6         1         3         3         2         16         43         29         —         0         6         1         1         1         Texas§         —         0         6         1		_												2		
Texas\$ — 3 37 58 84 3 7 74 100 210 — 1 19 17 14  Mountain — 3 31 53 79 — 3 10 46 65 — 2 88 30 31  Arizona — 2 28 29 28 — 1 5 23 25 — 0 3 15 8  Colorado — 0 2 7 17 — 0 3 8 9 — 0 2 1 3  Idaho\$ — 0 1 — 12 — 0 2 2 3 — 0 1 — 1 — 13  Nontana\$ — 0 1 1 — 12 — 0 2 2 3 — 0 1 — 1 — 1  Montana\$ — 0 1 3 6 2 — 0 3 6 19 — 0 2 4 3  Nevada\$ — 0 1 5 14 — 0 2 4 7 — 0 2 2 5 5  New Mexico\$ — 0 1 5 14 — 0 2 4 4 7 — 0 2 5 5  New Mexico\$ — 0 1 5 14 — 0 2 4 4 7 — 0 2 5 5  New Mexico\$ — 0 1 5 14 — 0 2 4 4 7 — 0 2 5 5  New Moyoming\$ — 0 0 0 — 3 — 0 1 — 1 — 1 — 0 0 0 — —  Pacific 7 8 25 136 247 9 6 36 123 132 — 4 9 57 90  Alaska — 0 1 3 2 1 0 1 3 4 — 0 1 2 1  California 6 6 25 105 202 7 5 28 93 92 — 3 9 48 72  Hawaii — 0 2 3 4 — 0 1 2 3 8 72  Hawaii — 0 2 6 6 6 — 0 8 12 17 — 0 2 3 8  Maerican Samoa — 0 0 0 — 0 0 — 0 0 0 — 0 1 8 12 17 — 0 2 3 8  American Samoa — 0 0 0 — 0 0 0 — 0 0 0 0 0 0 0 0 0 0		_	-				_	•							-	
Arizona — 2 28 29 28 — 1 5 23 25 — 0 3 15 8 Colorado — 0 2 7 17 — 0 3 8 9 — 0 2 1 3 Idaho§ — 0 1 — 12 — 0 2 2 3 3 — 0 1 — 1 — 1 Montana§ — 0 1 3 — 12 — 0 1 — 0 1 — 1 — 1 — 1 — 1 — 1 — 1 — 1		_														
Colorado         —         0         2         7         17         —         0         3         8         9         —         0         2         1         3           Idaho§         —         0         1         —         12         —         0         2         2         3         —         0         1         —         1         1         —         1         1         —         1         1         —         0         1         —         0         1         —         0         1         —         0         1         —         0         1         —         0         1         —         0         1         —         0         1         —         0         2         5         5         5         New Mexico§         —         0         1         5         14         —         0         2         4         7         —         0         2         —         3         1         —         0         2         —         3         1         —         0         2         5         5         5         8         1         1         1         1         1         1 </td <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		_					_									
Montana§         —         0         1         3         —         —         0         1         —         —         —         0         2         4         3           New Mexico§         —         0         1         5         14         —         0         2         4         7         —         0         2         —         3           Utah         —         0         2         3         3         —         0         3         3         1         —         0         2         5         8           Wyoming§         —         0         0         —         3         —         0         1         —         0         2         5         8           Wyoming§         —         0         0         —         3         —         0         1         —         1         —         0         0         —         —           Pacific         7         8         25         136         247         9         6         36         123         132         —         4         9         57         90           Alaska         —         0         1	Colorado	_	0			17	_	0	3	8	9		0	2		
Nevada <sup>§</sup> —         0         3         6         2         —         0         3         6         19         —         0         2         5         5           New Mexico§         —         0         1         5         14         —         0         2         4         7         —         0         2         5         5           Wyoming§         —         0         0         —         3         —         0         1         —         0         2         —         3           Wyoming§         —         0         0         —         3         —         0         1         —         1         —         0         0         —         —           Pacific         7         8         25         136         247         9         6         36         123         132         —         4         9         57         90           Alaska         —         0         1         3         2         1         0         1         3         4         —         0         1         2         1           Hawaii         —         0         2 </td <td></td> <td>_</td> <td></td> <td>1 1</td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>1</td>		_		1 1			_					_				1
Utah         —         0         2         3         3         —         0         3         3         1         —         0         2         5         8           Wyoming§         —         0         0         —         3         —         0         1         —         0         2         5         8           Pacific         7         8         25         136         247         9         6         36         123         132         —         4         9         57         90           Alaska         —         0         1         3         2         1         0         1         3         4         —         0         1         2         1           California         6         6         25         105         202         7         5         28         93         92         —         3         9         48         72           Hawaii         —         0         2         3         4         —         0         1         2         3         —         0         1         1         4           Oregon§         —         0         2 </td <td>Nevada<sup>§</sup></td> <td>_</td> <td>0</td> <td>3</td> <td>6</td> <td>2</td> <td>_</td> <td>0</td> <td>3</td> <td>6</td> <td>19</td> <td>_</td> <td>0</td> <td>2</td> <td>5</td> <td>5</td>	Nevada <sup>§</sup>	_	0	3	6	2	_	0	3	6	19	_	0	2	5	5
Pacific         7         8         25         136         247         9         6         36         123         132         —         4         9         57         90           Alaska         —         0         1         3         2         1         0         1         3         4         —         0         1         2         1           California         6         6         6         25         105         202         7         5         28         93         92         —         3         9         48         72           Hawaii         —         0         2         3         4         —         0         1		_					=									
Alaska       —       0       1       3       2       1       0       1       3       4       —       0       1       2       1         California       6       6       6       25       105       202       7       5       28       93       92       —       3       9       48       72         Hawaii       —       0       2       3       4       —       0       1       1       2       3       9       48       72         Oregon§       —       0       2       6       16       —       0       8       12       17       —       0       2       3       8         Washington       1       1       4       19       23       1       1       8       13       16       —       0       3       3       5         American Samoa       —       0       0       —       —       —       N       0       0       N       N         C.N.M.I.       —       —       —       0       0       —       —       —       0       0       —       —       —       0       0		_					_					_				_
California         6         6         25         105         202         7         5         28         93         92         —         3         9         48         72           Hawaii         —         0         2         3         4         —         0         1         2         3         —         0         1         1         4           Oregon§         —         0         2         6         16         —         0         8         12         17         —         0         2         3         8           Washington         1         1         4         19         23         1         1         8         13         16         —         0         3         3         5           American Samoa         —         0         0         —         —         —         —         N         0         0         N         N           C.N.M.I.         —         —         —         —         —         —         —         —         N         0         0         —         —           Guam         —         0         0         —         —         <		_										_				
Oregon§         —         0         2         6         16         —         0         8         12         17         —         0         2         3         8           Washington         1         1         4         19         23         1         1         8         13         16         —         0         3         3         5           American Samoa         —         0         0         —         —         0         0         —         N         0         0         N         N           C.N.M.I.         —         —         —         —         —         —         —         —         —         —         —         —         —         —         N <td>California</td> <td>6</td> <td>6</td> <td>25</td> <td>105</td> <td>202</td> <td></td> <td>5</td> <td>28</td> <td>93</td> <td>92</td> <td>_</td> <td>3</td> <td>9</td> <td>48</td> <td>72</td>	California	6	6	25	105	202		5	28	93	92	_	3	9	48	72
American Samoa       -       0       0       -       -       0       0       -       -       N       0       0       N       N         C.N.M.I.       - <td>Oregon§</td> <td>_</td> <td>0</td> <td>2</td> <td>6</td> <td>16</td> <td></td> <td>0</td> <td>8</td> <td>12</td> <td>17</td> <td>_</td> <td>0</td> <td>2</td> <td>3</td> <td>8</td>	Oregon§	_	0	2	6	16		0	8	12	17	_	0	2	3	8
C.N.M.I.       —<	•	1	-		19	23	1	-		13	16					
Guam     —     0     0     —     —     0     0     —     —     0     0     —     —     —     0     0     —     —     —     0     0     —	American Samoa C.N.M.I.	_		_	_	=	_		_	_	=			_		
	Guam	_					_								_	_
	U.S. Virgin Islands	_					_								_	_

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.
\* Incidence data for reporting year 2008 and 2009 are provisional.
† Data for acute hepatitis C, viral are available in Table I.
§ Contains data reported through the National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 23, 2009, and May 17, 2008 (20th week)\*

			yme disea	se				Malaria			Me	Al	cal diseas I serotype		/e <sup>1</sup>
			vious weeks	_				rious reeks	_				rious reeks		
Reporting area	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008
United States	119	530	1,858	2,770	3,911	12	23	46	310	308	12	18	47	396	563
New England	5	118	832	330	1,399	_	1	6	8	11	_	0	4	15	16
Connecticut Maine <sup>§</sup>	3	38 5	262 73	63	594 49	_	0 0	4 0	1	_ 1	_	0	1 1	1 2	1 2
Massachusetts	_	34	400	117	478	_	0	4	6	8	_	0	3	9	12
New Hampshire Rhode Island <sup>§</sup>	1	13 0	145 75	104 7	161 100	_	0 0	1 1	_	1 1	_	0 0	1 1	1	1
Vermont§	1	4	41	39	17	_	Ö	1	1		_	Ö	i	i	_
Mid. Atlantic New Jersey	96	229 33	1,400 231	1,512 297	1,458 687	1	5 0	17 4	70	75 13	1	2	5 1	41 2	59 9
New York (Upstate)	50	99	1,368	571	278	_	0	10	17	9	1	0	2	10	15
New York City	<u> </u>	11 48	54 338	644	106 387	1	3	11 3	43 10	42 11	_	0	2	7 22	8 27
Pennsylvania E.N. Central	46	48 9	336 147	84	134	_	2	3 7	33	49	_	3	8	63	93
Illinois	_	0	13	_	5	_	1	5	9	25	_	1	6	13	33
Indiana Michigan	_	0 1	8 10	5 7	1	_	0	2 2	6 6	1 7	_	0	4 3	14 11	13 14
Ohio	_	Ó	6	6	7	_	0	2	11	13	_	Ö	3	19	23
Wisconsin	_	6	129	66	121	_	0	3	1	3	_	0	2	6	10
W.N. Central lowa	_	7 1	336 9	38 5	78 21	1	1 0	10 3	16 3	20 2	1	1 0	9 1	32 2	53 11
Kansas	_	0	4	4	3	_	0	2	1	3	_	0	2	7	2
Minnesota Missouri	_	4 0	326 1	28	52 1	1	0	8 2	9 3	6 5	_ 1	0	4 2	8 10	15 15
Nebraska§	_	0	2	_		_	0	1	_	4		0	1	3	8
North Dakota South Dakota	_	0 0	10 1	_ 1	_ 1	_	0 0	0	_	_	_	0	3 1	_	1 1
S. Atlantic	13	70	225	710	766	6	6	16	119	78	6	3	9	73	71
Delaware	3	11	36	158	215	_	0	1	1	1	_	0	1	1	<u>'</u>
District of Columbia Florida		1 1	7 6	 12	10 11	_	0 1	2 7	33	 17	_	0 1	0 4	 28	 27
Georgia	_	0	6	15	10	_	i	4	23	21	_	Ö	2	11	8
Maryland <sup>§</sup> North Carolina	8	29 1	165 6	353 16	400 2	2 1	1 0	8 7	32 17	25 2	1 5	0	3 3	3 14	6 3
South Carolina§	1	0	2	8	8	_	0	1	1	2	_	0	1	5	13
Virginia <sup>§</sup> West Virginia	1	14 2	61 17	114 34	89 21	1	1 0	3 1	11 1	9 1	_	0 0	2 2	7 4	12 2
E.S. Central	_	0	5	6	10	2	0	2	11	6	_	0	6	15	29
Alabama§	_	0	2	1	4	1	Ö	1	3	3	_	Ö	2	3	1
Kentucky Mississippi	_	0 0	2 1	_	1	1	0	2 1	4	2	_	0	1 1	3 1	6 9
Tennessee§	_	ő	3	5	5	_	ő	2	4	1	_	ő	3	8	13
W.S. Central	_	2	21	8	27	_	1	10	8	14	2	2	11	35	61
Arkansas§ Louisiana	_	0	0 1	_	_	_	0	1	1	_ 1	_	0	2 3	5 9	9 17
Oklahoma	_	0	1	_	_	_	0	2	_	1	_	0	3	2	8
Texas <sup>§</sup>	_	2 1	21	8	27	_	1	10	7	12	2	1	9	19	27
Mountain Arizona	=	Ó	13 2	11 2	6 2	_	0 0	3 2	3 1	10 3	_	0	4 2	33 7	30 2
Colorado Idaho§	_	0	1	2	2	_	0	1	1	3	_	0	2 1	10 4	5 4
Montana <sup>§</sup>	_	0	13	1		_	0	0	_	_	_	0	1	2	4
Nevada <sup>§</sup>	_	0	2	3	_	_	0	1	_	4	_	0	2	3	5
New Mexico <sup>§</sup> Utah	_	0 0	2 1	_	1	_	0 0	1 1	1	_	_	0	1 1	3 1	4 4
Wyoming§	_	0	1	_	_	_	0	0	_	_	_	0	2	3	2
Pacific Alaska	5	3 0	13 2	71 1	33	2	3 0	10 1	42 1	45 2	2	4 0	14 2	89 2	151 2
California	3	2	6	60	24	2	2	8	32	34	2	2	8	53	119
Hawaii Oregon <sup>§</sup>	N	0	0 5	N 8	N 9	_	0	1 3	1 4	2 4	_	0 1	1 9	2 23	1 17
Washington	2	0	12	8 2	_	_	0	3	4	3	_	0	6	9	17
American Samoa	N	0	0	N	N	_	0	0	_	_	_	0	0	_	_
C.N.M.I. Guam	_			_	_	_	_		_	_	_	_		_	_
Puerto Rico	N	0	0	N	N	_	0	1	1	1	_	0	1	_	2
U.S. Virgin Islands	N	0	0	N	N	_	0	0	_	_	_	0	0	_	_

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

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

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

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

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending May 23, 2009, and May 17, 2008 (20th week)\*

			Pertussis	i			Ra	bies, anin	nal		R	ocky Mou	ıntain spo	tted fever	<u> </u>
			vious veeks					ious eeks					rious reeks		
Reporting area	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008
United States	128	234	1,690	4,129	2,895	40	71	119	1,164	1,412	9	39	150	304	165
New England	_	18	35	170	356	10	8	21	114	127	_	0	2	3	1
Connecticut Maine <sup>†</sup>	_	0 1	4 7	6 31	26 13	5 2	3 1	17 5	49 20	59 24	_	0 0	0 2	3	_
Massachusetts	_	12	30	105	278	_	0	0	_	_	_	0	1	_	1
New Hampshire Rhode Island <sup>†</sup>	_	1 0	5 6	19 3	9 25	3	1 0	7 3	13 8	14 9	_	0	1 2	_	_
Vermont†	_	Ö	2	6	5	_	1	6	24	21	_	Ö	0	_	_
Mid. Atlantic	18	23	64	358	341	16	18	30	247	281	_	1	29	8	30
New Jersey New York (Upstate)	4	3 6	12 41	26 73	56 102	16	0 9	0 20	129	136	_	0 0	6 29	1	18 3
New York City	_	0	21	33	36	_	0	2	_	8	_	0	2	5	5
Pennsylvania	14	10	33	226	147	_	7	17	118	137	_	0	2	2	4
E.N. Central Illinois	24	37 13	238 45	825 164	603 58	3	2 1	28 20	20 6	25 7	1	2 1	15 10	10 6	10 9
Indiana	_	2	158	73	15	_	0	2	_	1	_	0	3	_	_
Michigan Ohio	1 23	8 13	21 57	188 370	71 431	1 2	1 0	9 7	12 2	12 5	_ 1	0 0	1 4	1 3	1
Wisconsin	_	2	7	30	28	N	Ö	Ó	N	Ň		Ö	1	_	
W.N. Central	4	31	872	824	228	1	5	17	96	78	2	4	33	31	24
lowa Kansas	_	4 2	21 12	43 74	33 26	_	0 1	5 6	9 37	7 34	_	0 0	2 0	_	1
Minnesota	_	1	808	155	46	_	0	11	18	16	_	0	0	_	_
Missouri Nebraska†	4	14 4	51 32	466 77	97 17	1	1 0	8 0	16	5	2	4 0	32 4	30 1	22
North Dakota	_	0	24	2	_	_	0	9	3	8	_	0	1		_
South Dakota	_	0	10	7	9	_	0	4	13	8	_	0	1	_	1
S. Atlantic Delaware	20	25 0	71 3	558 5	268 2	3	27 0	66 0	504	717	5 —	16 0	72 5	183 1	53 3
District of Columbia	_	0	2	_	1	_	0	0	_	_	_	0	1	_	1
Florida Georgia	19	7 3	20 9	182 79	60 19	_	0 6	22 47	52 102	138 155	_	0 1	3 9	2 9	2 11
Maryland <sup>†</sup>	_	3	10	35	43	_	7	17	117	169	1	i	7	15	11
North Carolina South Carolina <sup>†</sup>	_	0	65 10	152 53	59 36	N	2	4 0	N	N	4	9	55 9	133 9	11 4
Virginia†	1	2 3	24	47	43	_	11	24	194	211	_	1 2	15	13	7
West Virginia	_	0	2	5	5	3	1	6	39	44	_	0	1	1	3
E.S. Central Alabama <sup>†</sup>	11 2	11 2	33 15	242 77	91 19	2	3	7 0	58	64	_	4 1	23	47 8	25 10
Kentucky	2	4	15	91	13	2	1	4	24	13	_	0	8 1	<u> </u>	_
Mississippi	<del>_</del> 7	1	5	17	38	_	0	1	_	1	_	0	3	1	3
Tennessee <sup>†</sup> W.S. Central	34	2 39	14 383	57 604	21 249	_	2 0	6 9	34 16	50 41	_ 1	3 2	19 132	38 16	12 14
Arkansas†	<del></del>	2	383	30	249 29	_	0	6	12	24		0	60	3	14
Louisiana Oklahoma		2	7 40	34	7 4	_	0	0 9	<u> </u>	_ 16	<u> </u>	0	2		2
Texas <sup>†</sup>	32	34	303	11 529	209	_	0	1	_	1		0 1	71 6	10	4 7
Mountain	8	15	31	302	383	_	2	9	37	20	_	1	3	6	7
Arizona Colorado		2 3	10 12	51 103	105 59	N	0	0 0	N	N	_	0 0	2 1	1	3
Idaho†	1	1	5	33	19		Ö	2	_		_	Ö	i	_	_
Montana†	_	0	4 3	9 6	58	_	0	4 5	11	_ 1	_	0	1 2	3	1
Nevada† New Mexico†	_	0 1	10	29	14 22	_	0	2	 14	14	_	0	1	1	1
Utah	_	4	19	70	100	_	0	6	. 1	1	_	0	1	1	2
Wyoming <sup>†</sup>	_	0	2	1	6 276	_	0 4	4	11	4 50	_	0	2 1	_	_
Pacific Alaska	9 1	24 3	98 21	246 28	376 30	<u>5</u>	Ó	13 2	72 8	59 12	N	0	1 0	N	1 N
California	_	6	24	22	189	5	3	12	64	46		0	0		
Hawaii Oregon <sup>†</sup>	1 —	0 3	3 37	11 81	4 54	_	0	0 2	_		<u>N</u>	0 0	0 1	N —	N 1
Washington	7	5	76	104	99	_	0	0	_	_	_	Ō	0	_	_
American Samoa	_	0	0	_	_	N	0	0	N	N	N	0	0	N	N
C.N.M.I. Guam	_	0		_	_	_	0	0	_	_	N	0	0	N	N
Puerto Rico	_	0	1	1	_		1	5	15	26	N	0	0	N	N
U.S. Virgin Islands	_	0	0		_	N	0	0	N	N	N	0	0	N	N

C.N.M.I.: Commonwealth of Northern Mariana Islands.
U: Unavailable. —: No reported cases. N: Not notifiable. Cum: Cumulative year-to-date counts. Med: Median. Max: Maximum.
\* Incidence data for reporting year 2008 and 2009 are provisional.

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 23, 2009, and May 17, 2008 (20th week)\*

		S	almonello	sis		Shig	ga toxin-pı	oducing I	E. coli (ST	EC)†			Shigellosis		
			vious					ious					vious		
Reporting area	Current week	Med Med	weeks Max	Cum 2009	Cum 2008	Current week	Med	eeks Max	Cum 2009	Cum 2008	Current week	Med	veeks Max	Cum 2009	Cum 2008
United States	357	978	2,271	10,852	11,430	37	83	219	912	1,054	188	443	1,248	5,203	5,832
New England	1	32	164	570	898	4	3	23	62	98	_	3	12	59	93
Connecticut Maine <sup>§</sup>		0 2	138 8	138 38	491 52	_ 3	0	23 3	23 8	47 3	_	0 0	7 6	7 2	40 2
Massachusetts	_	23	51	263	279	_	1	11	15	30	_	2	9	40	44
New Hampshire Rhode Island <sup>§</sup>	_	3 2	12 9	69 45	33 23		1 0	3 1	12	8 6	_	0 0	1 1	1 6	2 4
Vermont§	_	1	7	17	20	_	0	6	4	4	_	0	2	3	1
Mid. Atlantic New Jersey	43	93 19	201 55	1,222 106	1,455 354	4	7 1	27 12	70 12	112 47	4	55 19	93 38	941 240	658 151
New York (Upstate)	29	28	65	349	323	4	3	12	33	29	3	8	31	65	175
New York City Pennsylvania	14	19 27	49 78	307 460	358 420	_	1 0	5 8	22 3	12 24	_ 1	11 13	32 33	167 469	289 43
E.N. Central	27	97	194	1,325	1,421	6	12	75	138	137	22	82	128	1,043	1,094
Illinois Indiana		27 8	71 53	287 80	398 120	_	1 1	10 14	29 15	28 7	_	17 5	34 39	174 23	359 312
Michigan	3	18	38	307	273	2	3	43	34	21	_	5	24	99	32
Ohio Wisconsin	24 —	27 13	49 50	464 187	394 236	4	3 3	17 20	36 24	34 47	16 6	42 8	80 33	597 150	292 99
W.N. Central	23	53	148	888	755	5	12	58	134	130	35	14	39	255	347
Iowa Kansas	7 1	8 7	16 29	129 97	130 76		3 1	21 7	33 11	32 9	1 3	3 2	12 8	39 74	45 4
Minnesota	6	13	69	214	207		2	21	32	19	3	3	25	25	86
Missouri Nebraska <sup>§</sup>	9	13 5	48 41	181 166	203 88	_	2 2	11 30	36 20	47 11	28 —	3 0	26 3	108 7	121
North Dakota South Dakota	_	0 4	30 22	9 92	13 38	_	0 0	28 4	_	1 11	_	0	9 2	1	21 70
S. Atlantic	118	262	459	2,840	2,798	10	14	49	207	196	28	49	98	767	1,242
Delaware District of Columbia	2	2	9	20	47 27	=	0	2	5	5	2	0	4 2	21	3
Florida	<del></del>	97	174	1,187	1,287	5	2	10	60	55	14	11	26	164	368
Georgia Maryland <sup>§</sup>	9 13	41 17	96 37	463 208	436 204	_ 1	2 2	8 11	20 26	15 30	1 3	13 4	47 12	188 108	508 24
North Carolina	11	28	106	494	264	2	2	21	54	18	8	5	27	153	35
South Carolina <sup>§</sup> Virginia <sup>§</sup>	4 3	19 20	57 88	203 213	238 218	1 1	1 3	3 27	8 27	14 40	_	5 4	31 59	57 71	222 57
West Virginia	_	3	10	52	77	_	0	3	7	16	_	0	3	5	19
E.S. Central Alabama§	26 3	60 16	140 49	617 179	684 201	1 1	5 1	12 3	54 10	81 28	29	27 5	61 18	355 64	780 177
Kentucky	10	10	18	142	111	_	1	7	14	16	14	2	25	86	132
Mississippi Tennessee <sup>§</sup>	13	13 14	57 62	110 186	166 206	_	0 2	1 6	3 27	4 33	 15	1 15	6 48	10 195	206 265
W.S. Central	22	142	1,286	730	992	_	6	63	44	102	41	98	948	989	986
Arkansas <sup>§</sup> Louisiana	10	14 18	39 54	141 103	107 186	_	1 0	5 2	6	18 2	12 —	10 8	27 26	118 57	107 209
Oklahoma	12	15	58	168	117	_	1	19	6	5	5	3	43	73	39
Texas <sup>§</sup> Mountain	9	95 61	1,201 110	318 815	582 959	<u> </u>	5 11	55 40	32 103	77 130	24 16	65 26	888 54	741 374	631 224
Arizona	3	23	43	305	255	1	1	4	11	22	13	16	35	266	97
Colorado Idaho§	5 1	12 3	20 12	180 53	301 46	2 2	4 2	18 15	52 10	30 27	3	3 0	11 2	36 1	26 5
Montana <sup>§</sup>	_	2 4	7 14	45	36 78	_	0	3 3	6 4	16 4	_	0	5	11	1
Nevada <sup>§</sup> New Mexico <sup>§</sup>	_	7	32	81 66	117	_	1	4	13	17	_	3 2	13 12	28 29	70 16
Utah Wyoming <sup>§</sup>	_	6 1	19 5	68 17	96 30	_	1 0	9 2	6 1	10 4	_	1 0	3 1	3	6 3
Pacific	88	120	534	1,845	1,468	2	10	31	100	68	13	32	82	420	408
Alaska California	<u> </u>	1 86	4 516	16 1,405	15 1,117	_	0 5	1 15	67	2 42	10	0 27	1 75	2 327	345
Hawaii	_	5	15	88	68	_	0	2	2	3	_	1	3	6	15
Oregon <sup>§</sup> Washington	30	7 11	61 85	130 206	111 157	_	1 3	8 16	6 25	7 14	_ 3	1 2	10 13	21 64	24 24
American Samoa	_	0	1	_	1	_	0	0	_	_	_	0	2	3	1
C.N.M.I. Guam	_			_	 5	_			_	_	_			_	9
Puerto Rico	_	13	40	76	195	_	0	0	_	_	_	0	4	1	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 2008 and 2009 are provisional.

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

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 23, 2009, and May 17, 2008 (20th week)\*

		Streptococcal	diseases, inv	asive, group A		Streptococc	us pneumonia	ae, invasive di Age <5 years	sease, nondru	g resistant <sup>⊤</sup>
	Current		ious eeks	Cum	Cum	Current	Prev 52 w		Cum	Cum
Reporting area	week	Med	Max	2009	2008	week	Med	Max	2009	2008
United States	77	95	237	2,444	2,720	21	34	121	761	861
New England	_	5	31	151	183	_	1	12	21	43
Connecticut Maine <sup>§</sup>	_	0	26 3	43 9	28 13	_	0 0	11 1	_	1
Massachusetts	_	3	10	60	110	_	1	3	15	34
New Hampshire	_	1	4	25	15	_	0	1	4	7
Rhode Island§ Vermont§	_	0	8 3	4 10	8 9	_	0	2 1		1
/lid. Atlantic	15	18	38	461	581	1	4	33	111	108
New Jersey New York (Upstate)	7	1 6	6 25	3 174	106 181	_ 1	1 2	4 17	14 59	33 43
New York City		4	12	94	111		0	31	38	32
Pennsylvania	8	6	18	190	183	N	0	2	N	N
.N. Central	6	16	43	479	538	1	6	18	111	156
Illinois Indiana	_	4 3	11 23	107 81	154 69	_	1 0	5 13	14 11	46 17
Michigan	_	3	10	81	98	1	1	5	32	42
Ohio	5	4 1	13	139	144	_	1	6	41	28
Wisconsin /.N. Central	1 19	1 5	10 37	71 206	73 217	_	0 2	3 11	13 66	23 39
lowa	— —	0	0	200	<u> </u>	_	0	0	—	— —
Kansas		0	5	29	25	N	0	1	N	N
Minnesota Missouri	18 1	0 1	34 8	84 54	101 54	_	0 1	7 4	28 28	9 19
Nebraska§	<u>.</u>	i	3	27	19	_	Ô	1	3	4
North Dakota South Dakota		0	2 2	2 10	7 11		0 0	3 2	3 4	2 5
. Atlantic	11	22	46	542	536	<u> </u>	6	14	154	169
Delaware		0	1	8	6	_	0	0		—
District of Columbia	_	0	2	_	6	N	0	0	N	N
Florida Georgia	4 2	6 5	12 13	131 135	123 111	2 1	1 2	6 6	36 47	29 49
Maryland <sup>§</sup>	2	3	10	80	97	2	1	3	33	34
North Carolina South Carolina <sup>§</sup>	2	2 1	12 5	55 35	70 34	N	0 1	0 6	N 27	N 27
Virginia <sup>§</sup>	1	3	9	77	70	_	Ö	2	3	26
West Virginia	_	1	4	21	19	_	0	2	8	4
.S. Central	4	4	10	107	88		1	6	28	53
Alabama <sup>§</sup> Kentucky	N 1	0 1	0 5	N 19	N 19	N N	0 0	0 0	N N	N N
Mississippi	N	Ö	0	N	N		0	2	_	14
Tennessee§	3	3	8	88	69	_	1	6	28	39
<b>/.S. Central</b> Arkansas§	15 —	10 0	75 2	218 9	216 6	13 4	6 0	46 3	140 16	123 7
Louisiana	_	ő	2	6	10	_	ő	3	12	6
Oklahoma Texas <sup>§</sup>	2	2	16	81	55	1	1 4	7	27	40
lountain	13 7	6	59 22	122	145 303	8	4	34	85 115	70 148
Arizona	1	10 3	8	218 65	99	_	2	16 10	115 67	66
Colorado	6	3	8	85	75	_	1	4	22	34
Idaho§ Montana§	 N	0	2 0	3 N	10 N	 N	0 0	0	4 N	N N
Nevada <sup>§</sup>		0	1	3	6		0	1	_	2
New Mexico <sup>§</sup> Utah	_	2 1	7 6	40 21	78 30	_	0 0	3 4	11 11	21 22
Wyoming <sup>§</sup>	_	Ö	1	1	5	_	0	1	_	1
acific	_	3	9	62	58	1	1	5	15	22
Alaska		0	4	8	12	1	0	4	10	12
California Hawaii	<u>N</u>	0 3	0 8	N 54	N 46	N —	0 0	0 2	N 5	N 10
Oregon§	N	0	0	N	N	N	0	0	N	N
Washington	N	0	0	N	N	N	0	0	N	N
merican Samoa .N.M.I.	_	0	8	_	19 —	<u>N</u>	0	0	N	N
iuam	_	0	0	_	_	_	0	0	_	_
uerto Rico	N	0	0	N	N	N	0	0	N	N
.S. Virgin Islands	_	0	0	_	_	N	0	0	N	N

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

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

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

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 23, 2009, and May 17, 2008 (20th week)\*

		S		cus pneun	noniae, ir	vasive dis	ease, drug	g resistan	t <sup>†</sup>						
			All ages					jed <5 yea	irs		Sy			d seconda	ry
	Current	Prev 52 w	ious eeks	Cum	Cum	Current		ious eeks	Cum	Cum	Current		rious reeks	Cum	Cum
Reporting area	week	Med	Max	2009	2008	week	Med	Max	2009	2008	week	Med	Max	2009	2008
United States	46	55	276	1,407	1,636	6	9	20	208	222	72	262	452	4,690	4,714
New England	_	1 0	48 48	26	29	_	0	5 5	1	2	5	6 1	15	130	120 7
Connecticut Maine§	_	0	48 2	7	11	_	0	1	_	_	1	0	5 2	27 1	3
Massachusetts	_	0	1 3	1	_	_	0	1	1	_	3	4	11	88 10	95 6
New Hampshire Rhode Island <sup>§</sup>	_	0 0	6	5 5	8	_	0	1	_	1	1	0	2 5	4	4
Vermont§	_	0	2	8	10	_	0	1	_	1	_	0	2	_	5
Mid. Atlantic New Jersey	6	4 0	14 0	86	171	2	0	3 0	15	13	13	32 4	51 13	711 90	678 83
New York (Upstate)	2	1	10	38	32	1	Ö	2	10	4	2	2	8	40	48
New York City Pennsylvania	<u> </u>	1 1	4 8	2 46	72 67	<u> </u>	0	2 1	 5	9	9 2	22 5	36 11	458 123	422 125
E.N. Central	13	9	41	271	359		1	7	37	47	2	24	44	330	445
Illinois	N	0	0	N	N	N	Ö	0	N	N	_	9	19	65	164
Indiana Michigan	_	2	32 2	54 13	126 13	_	0	6 1	9 1	15 2		2 4	10 18	60 93	58 81
Ohio	13	7	18	204	220	_	1	4	27	30	_	6	28	92	122
Wisconsin	_	0	0	_	_	_	0	0	_	_		1	4	20	20
W.N. Central lowa	_	2 0	161 0	55 —	127	_	0 0	4 0	16	23	1	7 0	14 2	113 10	163 8
Kansas	_	1	5	17	54	_	0	2	9	3	1	0	3	9	10
Minnesota Missouri	_	0 1	156 5	32	15 53	_	0	4 1	<u> </u>	15 2	_	2	6 10	25 58	40 100
Nebraska <sup>§</sup>	_	0	0	_	_	_	0	0	_	_	_	0	2	10	5
North Dakota South Dakota	_	0 0	2 2	4 2	2	_	0	0 2		3	_	0	0 1	_ 1	_
S. Atlantic	22	23	53	700	656	2	4	14	95	93	15	61	262	1,073	959
Delaware	 N	0	1 0	8	2	N	0	0	N	_ N	_	0 3	4 9	14	1
District of Columbia Florida	20	0 14	36	N 430	N 333	2	3	13	66	53	1	21	38	63 420	49 381
Georgia	2	8	25	197	243	_	1	5	26	33	_	11	227	130	149
Maryland <sup>§</sup> North Carolina	N	0 0	1 0	4 N	4 N	N	0	0 0	N	1 N	10	7 6	16 19	113 183	121 112
South Carolina§	_	0	0	_	_	_	0	0	_	_	4	2	6	36	34
Virginia <sup>§</sup> West Virginia	N —	0 1	0 13	N 61	N 74	<u>N</u>	0	0 3	N 3	N 6	_	5 0	16 1	113 1	109 3
E.S. Central	5	5	25	165	167	2	1	3	24	26	13	22	36	448	396
Alabama <sup>§</sup> Kentucky	N 2	0 1	0 5	N 47	N 42	N	0	0 2	N 7	N 8	_ 1	8 1	17 10	165 23	171 35
Mississippi	_	0	2	<del>4</del> 7	1	_	0	1		<u> </u>	3	3	18	80	48
Tennessee§	3	3	22	118	124	2	0	3	17	18	9	8	19	180	142
W.S. Central Arkansas§	_	1 0	7 5	48 29	58 10	_	0	3 3	9 6	10 3	16 16	48 3	80 35	914 74	783 46
Louisiana	_	1	6	19	48	_	0	1	3	7	_	14	40	223	187
Oklahoma Texas <sup>§</sup>	N	0	0	N	N	N	0 0	0 0	N	N	_	1 29	7 40	23 594	35 515
Mountain	_	2	7	54	68	_	0	3	10	7	1	9	23	120	235
Arizona	_	0	0	_	_	_	0	0	_	_	_	4	13	21	122
Colorado Idaho <sup>§</sup>	N	0 0	0 1	N	N	N	0 0	0 1	N	N	_	2 0	10	39 3	61 1
Montana§		0	į	_	_		0	Ö	_	_	_	0	2 7	_	_
Nevada <sup>§</sup> New Mexico <sup>§</sup>	_	1 0	4 0	26	32	_	0 0	2 0	6	2	1	1 1	7 5	38 19	28 11
Utah	_	1	6	22	36	_	0	3	4	5	_	0	2	_	11
Wyoming§	_	0	2	6	_	_	0	0	_	_	_	0	1	_	1
Pacific Alaska	_	0 0	1 0	_2	1	_	0	1 0	1	1	6	46 0	66 1	851 —	935
California	N	0	0	N	N	N	0	0	N	N	5	41	59	777	848
Hawaii Oregon§	N	0 0	1 0	2 N	1 N	N	0 0	1 0	1 N	1 N	_	0 0	3 3	14 12	11 4
Washington	N	Ö	0	N	N	N	Ö	Ö	N	N	1	3	9	48	72
American Samoa C.N.M.I.	N	0	0	Ν	N	N	0	0	N	N	_	0	0	_	_
Guam	_	0	0	_	_	_	0	0	_	_	_	0	0	_	_
Puerto Rico	_	0	0	_	_	_	0	0	_	_	11	3	11	77	61
U.S. Virgin Islands		0	0				0	0				0	0		_

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

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

† Includes cases of invasive pneumococcal disease caused by drug-resistant *S. pneumoniae* (DRSP) (NNDSS event code 11720).

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

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending May 23, 2009, and May 17, 2008 (20th week)\*

									We	est Nile vi	rus disease	ţ†			
		Varice	ella (chicke	npox)			Ne	uroinvasi	ve			Nonn	euroinvas	sive§	
			rious reeks				Prev 52 w						ious eeks		
Reporting area	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008	Current week	Med	Max	Cum 2009	Cum 2008
United States	221	385	821	6,861	15,082		1	75		3		1	77		12
New England	6	19	49	132	760	_	0	2	_	_	_	0	1	_	1
Connecticut	_	11	26	_	375	_	0	2	_	_	_	0	1	_	1
Maine <sup>¶</sup> Massachusetts	_	1 0	11 1	_	134	_	0 0	0 1	_	_	_	0	0 0	_	_
New Hampshire	4	4	11	89	127	_	0	0	_	_	_	0	0	_	_
Rhode Island¶ Vermont¶	_	0 4	0 17	43	 124	_	0 0	1 0	_	_	_	0	0 0	_	_
Mid. Atlantic	40	39	80	747	1,166	_	0	8	_	_	_	0	4		
New Jersey	N	0	0	N	N	_	0	2	_	_	_	0	1	_	_
New York (Upstate) New York City	<u>N</u>	0	0 0	N	N	_	0 0	5 2	_	_	_	0	2	_	_
Pennsylvania	40	39	80	747	1,166	_	0	2	_	_	_	Ö	1	_	_
E.N. Central	72	145	241	3,206	3,574	_	0	8	_	_	_	0	3	_	_
Illinois Indiana	_	37 0	73 14	764 83	500	_	0 0	4 1	_	_	_	0	2 1	_	_
Michigan	12	50	113	964	1,509	_	0	4	_	_	_	0	2	_	_
Ohio	56	42	91	1,198	1,292	_	0	3	_	_	_	0	1	_	_
Wisconsin W.N. Central	4 27	6 21	50 114	197 574	273 673	_	0	2 6	_	_ 1	_	0 0	1 21	_	_
lowa	N	0	0	574 N	673 N	_	0	2	_		_	0	1	_	_
Kansas	4	6	22	153	281	_	0	2	_	1	_	0	3	_	_
Minnesota Missouri	23	0 11	0 51	385	369	_	0 0	2	_	_	_	0	4 1	_	_
Nebraska <sup>¶</sup>	Ň	0	0	N	N	_	Ō	1	_	_	_	0	6	_	_
North Dakota South Dakota	_	0	108 4	36	23	_	0 0	2 5	_	_	_	0 0	11 6	_	_
S. Atlantic	 57	62	164	1.074	2.348	_	0	4			_	0	4		_
Delaware	_	0	5	2	11	_	0	0	_	_	_	0	1	_	_
District of Columbia Florida	— 54	0 29	2 67	— 750	15 884	_	0 0	2 2	_	_	_	0	1 0	_	_
Georgia	N	0	0	N	N	_	0	1	_	_	_	0	1		_
Maryland <sup>¶</sup>	N	0	0	N	N	_	0	2	_	_	_	0	3	_	_
North Carolina South Carolina <sup>¶</sup>	<u>N</u>	0 7	0 68	N 82	N 401	_	0 0	1 0	_	_	_	0 0	1	_	_
Virginia <sup>¶</sup>	_	11	60	28	694	_	0	0	_	_	_	0	i	_	_
West Virginia	3	10	32	212	343	_	0	1	_	_	_	0	0	_	_
E.S. Central Alabama <sup>¶</sup>	_	6 5	29 29	17 16	710 702	_	0 0	7 3	_	_	_	0 0	9 2	_	4 1
Kentucky	N	0	0	Ň	N	_	ő	1	_	_	_	0	0	_	_
Mississippi Tennessee <sup>¶</sup>	 N	0	1 0	1 N	8 N	_	0 0	4 2	_	_	_	0	8 3	_	2 1
W.S. Central	_	66	355	481	4,581	_	0	8	_	_	_	0	3 7		4
Arkansas <sup>¶</sup>	_	4	47	19	366	_	0	1	_	_	_	0	1	_	
Louisiana Oklahoma	 N	1 0	5 0	27 N	40 N	_	0 0	3 1	_	_	_	0	5 1	_	
Texas <sup>¶</sup>		51	345	435	4,175	_	0	6	_	_	_	0	4	_	2
Mountain	18	27	83	578	1,223	_	0	12	_	2	_	0	22	_	3
Arizona Colorado	— 17	0 11	0 44	 279	 503	_	0 0	10 4	_	1	_	0	8 10	_	_ 1
Idaho <sup>¶</sup>	N N	0	0	279 N	503 N	_	0	1	_	1	_	0	6	_	1
Montana <sup>¶</sup>	<del>_</del>	3	27	70	163	_	0	0	_	_	_	0	2	_	_
Nevada <sup>¶</sup> New Mexico <sup>¶</sup>	N 1	0 2	0 10	N 60	N 123	_	0 0	2 1	_	_	_	0	3 1	_	_
Utah		10	31	169	425	_	0	2	_	_	_	0	5	_	_
Wyoming¶	_	0	1	_	9	_	0	0	_	_	_	0	2	_	1
Pacific Alaska	1	3 2	8 6	52 32	47 16	_	0	38 0	_	_	_	0	23 0	_	_
California		0	0	_	_	_	0	37	_	_	_	0	20	_	_
Hawaii Oregon <sup>¶</sup>	 N	1	4 0	20	31	_	0	0	_	_	_	0	0 4	_	_
Oregon⊪ Washington	N N	0 0	0	N N	N N	_	0	2 1	_	_	_	0	4 1	_	_
American Samoa	N	0	0	N	N	_	0	0	_	_	_	0	0	_	_
C.N.M.I.	_	_	17	_	_	_	_	_	_	_	_	_	_	_	_
Guam Puerto Rico	_	1 8	17 17	114	33 281	_	0 0	0	_	_	_	0 0	0 0	_	
U.S. Virgin Islands		0	0	_		_	0	0	_	_	_	0	0	_	_

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

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

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

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

TABLE III. Deaths in 122 U.S. cities,\* week ending May 23, 2009 (20th week)

		All causes, by age (years)							All causes, by age (years)						
Reporting area	All Ages	≥65	45–64	25–44	1–24	<1	P&I <sup>†</sup> Total	Reporting area	All Ages	≥65	45–64	25–44	1–24	<1	P&I <sup>†</sup> Total
New England	482	308	130	32	2	10	47	S. Atlantic	1,585	953	406	115	50	61	79
Boston, MA	142	75	51	11	_	5	8	Atlanta, GA	168	99	44	17	7	1	9
Bridgeport, CT	28	20	8	_	_	_	2	Baltimore, MD	150	77	44	15	7	7	14
Cambridge, MA	16	11	5	_	_	_	3	Charlotte, NC	134	92	25	9	2	6	15
Fall River, MA Hartford, CT	27 41	20 25	4 12	3 4	_	_	1 4	Jacksonville, FL Miami, FL	155 103	101 72	35 14	9 13	6 1	4 3	10 8
Lowell, MA	15	10	4	1	_	_	1	Norfolk, VA	45	72 27	13	4	1	_	0
Lynn, MA	7	3	1	2	1	_	<u>.</u>	Richmond, VA	65	29	29	2	3	2	4
New Bedford, MA	18	14	4	_		_	3	Savannah, GA	85	54	21	7	3	_	1
New Haven, CT	27	25	_	1	_	1	6	St. Petersburg, FL	47	37	8	_	1	1	_
Providence, RI	49	32	13	2	_	2	7	Tampa, FL	227	153	52	11	3	8	11
Somerville, MA	3	1	2	_	_	_	_	Washington, D.C.	388	199	116	28	16	29	7
Springfield, MA	29	14	9	5	1	_	3	Wilmington, DE	18	13	5	_	_	_	_
Waterbury, CT	21	13	5	2	_	1	_	E.S. Central	860	560	223	51	13	13	69
Worcester, MA	59	45	12	1	_	1	9	Birmingham, AL	148	89	39	12	6	2	16
Mid. Atlantic	1,868	1,279	429	99	30	30	107	Chattanooga, TN	91	68	14	3	3	3	4
Albany, NY Allentown, PA	47 20	27 15	12 3	6 1	1	1 1	1 2	Knoxville, TN Lexington, KY	98 48	62 31	31 13	4 1	1	3	9 2
Buffalo, NY	76	52	18	2	2	2	10	Memphis, TN	153	102	41	10	_	_	17
Camden, NJ	26	14	7	1	1	3	3	Mobile, AL	116	80	26	8	1	1	7
Elizabeth, NJ	12	7	5			_	3	Montgomery, AL	72	48	18	5		i	10
Erie, PA	38	31	6	1	_	_	1	Nashville, TN	134	80	41	8	2	3	4
Jersey City, NJ	16	4	9	3	_	_	_	W.S. Central	1,378	869	340	97	42	30	80
New York City, NY	1,128	790	258	49	14	16	51	Austin, TX	107	57	39	7	2	2	7
Newark, NJ	U	U	U	U	U	U	U	Baton Rouge, LA	54	36	11	5	2	_	_
Paterson, NJ	U	U	U	U	U	U	U	Corpus Christi, TX	73	45	20	4	2	2	6
Philadelphia, PA	132	72	36	15	6	3	6	Dallas, TX	196	125	51	10	3	7	10
Pittsburgh, PA	34	22	10	2	_	1	3	El Paso, TX	55	47	6	_ U	1	1	1
Reading, PA Rochester, NY	40 124	33 81	6 30	7	4	2	4 11	Fort Worth, TX Houston, TX	U 404	U 240	U 108	33	U 16	U 7	U 24
Schenectady, NY	14	13	- SU		1	_	2	Little Rock, AR	63	46	110	3	1	2	4
Scranton, PA	26	19	3	4		_	2	New Orleans, LA	Ü	Ü	Ü	Ŭ	ΰ	Ú	Ū
Syracuse, NY	76	53	16	5	1	1	6	San Antonio, TX	261	173	50	22	12	4	17
Trenton, NJ	26	18	6	2	_	_	_	Shreveport, LA	77	47	20	5	2	3	7
Utica, NY	17	14	2	1	_	_	2	Tulsa, OK	88	53	24	8	1	2	4
Yonkers, NY	16	14	2	_	_	_	_	Mountain	941	599	228	59	30	25	50
E.N. Central	1,925	1,242	462	115	45	54	120	Albuquerque, NM	U	U	U	U	U	U	U
Akron, OH	39	29	7	2	1	_	1	Boise, ID	73	51	16	4	_	2	2
Canton, OH	32	22	9	_	_	1	1	Colorado Springs, CO	60	42	11	3	3	1	2
Chicago, IL	350	189	102	28	18	6	27	Denver, CO	83	55 156	18	7	1 7	2 5	3
Cincinnati, OH Cleveland, OH	81 214	38 149	18 48	10 12	5 4	10 1	10 7	Las Vegas, NV Ogden, UT	250 50	156 34	69 7	13 5	1	3	18 2
Columbus, OH	174	118	45	8	1	2	11	Phoenix, AZ	167	92	49	11	8	7	11
Dayton, OH	125	97	20	3	i	4	7	Pueblo. CO	23	16	6	1	_		2
Detroit, MI	148	77	44	14	4	9	6	Salt Lake City, UT	136	83	34	9	7	3	2
Evansville, IN	28	20	7	1	_	_	1	Tucson, AZ	99	70	18	6	3	2	8
Fort Wayne, IN	57	39	12	5	1	_	4	Pacific	1,615	1,130	333	71	47	34	157
Gary, IN	9	4	3	2	_	_	_	Berkeley, CA	5	3	1	_	1	_	_
Grand Rapids, MI	.56	39	12	3	_	2	6	Fresno, CA	114	88	17	5	4	_	15
Indianapolis, IN	179	115	47	4	3	10	14	Glendale, CA	30	25	4	_	_	1	6
Lansing, MI	40	33	5	2	_	_	2	Honolulu, HI	78 56	63	12	2	_	1	11
Milwaukee, WI Peoria. IL	94 48	56 36	24 8	9 2	4	1 2	5 6	Long Beach, CA Los Angeles, CA	56 260	40 155	13 67	2 17	1 11	10	6 41
Rockford, IL	44	34	7	2	_	1	2	Pasadena. CA	22	155	2	3	2	_	-
South Bend, IN	49	34	12	_	1	2	2	Portland, OR	98	71	23	_	4		5
Toledo, OH	105	73	22	7	2	1	3	Sacramento, CA	209	140	47	9	7	6	16
Youngstown, OH	53	40	10	1	_	2	5	San Diego, CA	143	99	32	6	3	3	10
W.N. Central	614	379	162	48	13	11	42	San Francisco, CA	110	75	25	5	1	4	8
Des Moines, IA	84	57	20	4	3	_	5	San Jose, CA	203	153	29	10	5	6	19
Duluth, MN	21	20	1	_	_	_	3	Santa Cruz, CA	33	24	8	1	_	_	6
Kansas City, KS	25	13	9	2	1	_	5	Seattle, WA	99	66	23	6	3	1	7
Kansas City, MO	94	63	21	8	2	_	8	Spokane, WA	59	43	10	4	_	2	5
Lincoln, NE	26	17	4	5		_	3	Tacoma, WA	96	70	20	1	5	_	2
Minneapolis, MN	54	31	15	5	1	2	6	Total <sup>¶</sup>	11,268	7,319	2,713	687	272	268	751
Omaha, NE	87	57 52	26	2	1	1	5								
St. Louis, MO St. Paul, MN	112 50	52 31	38 13	11 5	4	6 1	3 1								
Wichita, KS	61	38	15	6	1	1	3								
	o reported		- 10					-							

U: Unavailable. —:No reported cases.

\* Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of >100,000. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

† Pneumonia and influenza.

<sup>§</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. ¶ Total includes unknown ages.

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