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Outbreaks of Aseptic Meningitis Associated with Echoviruses 9 and 30 and Preliminary Surveillance Reports on Enterovirus Activity — United States, 2003

Aseptic or viral meningitis is the most common type of meningitis and is associated with an estimated 26,000-42,000 hospitalizations each year in the United States (1). Enteroviruses are the most common cause of aseptic meningitis (2). Echovirus 9 (E9) and echovirus 30 (E30) have been associated frequently with outbreaks of aseptic meningitis (3-5). During March 2003, several state public health departments noted increased reports of aseptic meningitis and, as of August 7, seven states (Arizona, California, Georgia, Idaho, Oregon, South Carolina, and Texas) had reported outbreaks associated with either E9 or E30. This report summarizes the epidemiologic features of the aseptic meningitis outbreaks in five states (Arizona, California, Georgia, Idaho, and South Carolina) and provides an overview of enterovirus activity in the United States during January 1-August 7. Enteroviruses, E9 and E30 in particular, should be considered in the differential diagnosis of persons with aseptic meningitis.

Aseptic meningitis is not a nationally notifiable disease, and no nationally accepted case definition exists for this condition (6). Therefore, cases of aseptic meningitis described in this report represent physician diagnoses based on clinical presentation and laboratory findings. The enterovirus surveillance data were obtained from reports to the National Enterovirus Surveillance System (NESS), a passive voluntary surveillance system based on reporting by state public health and private laboratories of enterovirus detections by serotype and basic demographic information, specimen type, and date of collection.

Aseptic Meningitis Outbreaks

Arizona. During January 1–July 31, a total of 465 cases of aseptic meningitis (rate: 8.6 per 100,000 population) were reported to the Arizona Department of Health Services,

compared with 104 cases (rate: 1.9) reported for the same period in 2002. The highest rate during January 1–July 31 was reported in Maricopa County (rate: 12.7, compared with 2.7 during the same period in 2002). As of July 31, the Arizona State Health Laboratory had reported 62 enterovirus isolates, the majority (66%) from cerebrospinal fluid (CSF) specimens. Of the 62 isolates, E30 accounted for 47 (76%) isolates and E9 for one (2%) isolate.

California. As of August 5, a total of 1,753 cases of aseptic meningitis (rate: 8.0 per 100,000 population) had been reported to the California Department of Health Services (CDHS). During 1999–2003, the annual reported rate of aseptic meningitis in California ranged from 4.5 to 7.3. Specimens from 148 patients with aseptic meningitis were submitted to CDHS for diagnostic testing from 24 counties throughout the state (Table). Serum and CSF specimens from all patients were tested for enteroviruses and arboviruses (i.e., West Nile virus [WNV], St. Louis encephalitis, and western equine encephalitis) at CDHS. Of the 148 patients, 82 (55%) had evidence of enterovirus infection by polymerase chain reaction (PCR) or culture; E30 was identified from 29 (85%) of the 82 culture-positive cases, and E9 was identified from four (12%) cases.

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Notifiable Disease Morbidity and 122 Cities Mortality Data Robert F. Fagan Deborah A. Adams Felicia J. Connor Lateka Dammond Donna Edwards Patsy A. Hall Pearl C. Sharp **Georgia.** During March, an outbreak of aseptic meningitis associated with E9 infection began in Augusta, Georgia. During March 10–July 23, a total of 320 cases were reported from 50 of Georgia's 159 counties, compared with 227 cases reported statewide during 2002. E9 has been isolated from CSF, throat swab, and/or rectal swab specimens of 24 patients. Enteroviruses (untyped) were isolated from an additional 24 CSF specimens, and 52 CSF specimens tested positive for enteroviruses by PCR. Patients commonly reported headache, fever, nausea or vomiting, stiff neck, and photophobia (Table). As of August 7, the outbreak was ongoing.

Idaho. During May 21–July 17, an outbreak of viral meningitis occurred in north central Idaho, with 38 cases from three adjacent counties reported to the Idaho Division of Health, compared with four cases reported statewide during the previous year. Of the 32 patients for whom clinical information was available, 17 (53%) were hospitalized with clinical signs and symptoms consistent with aseptic meningitis (Table). E30 was isolated from two of four patients who underwent virologic investigation. Two cases of aseptic meningitis reported subsequently from the same area are under investigation by the North Central District Health Department.

South Carolina. During April 6–July 31, a total of 82 cases of viral meningitis were identified by the Aiken County Health Department. The outbreak peaked during May, when 38 cases were reported. E9 was isolated from CSF of two of these patients. At the same time, adjacent counties in Georgia also experienced an outbreak of aseptic meningitis associated with E9. In June, cases began to appear in multiple counties. The number of reports and CSF specimen submissions to the South Carolina State Laboratory continued to increase in July. As of July 31, a total of 130 cases of aseptic meningitis had been reported; E9 was isolated from 20 specimens (18 CSF and two throat washings) from eight different counties, and no other enteroviruses were identified. Because viral meningitis is not a notifiable disease in South Carolina, comparative data are not available for previous years.

Enterovirus Surveillance Data

As of August 7, NESS had received reports of 365 enterovirus detections in 25 states; source specimens for these isolates were collected during January 5–July 30. The most commonly detected serotypes were E9 and E30, with E30 accounting for 132 (36%) and E9 accounting for 108 (30%) reports. E9 was isolated in 14 states, predominantly in the East (e.g., Georgia, Florida, New Jersey, and South Carolina), and E30 was isolated in 10 states, predominantly in the West (e.g., Arizona, California, Colorado, and Texas). For both serotypes, CSF

	Arizona January 1–July 31 (n = 465)*		California April 1–July 31 (n = 148)		Geo March 10 (n = 3	July 23	ldaho May 21–July 17 (n = 38) [§]		South Carolina April 6–July 31 (n = 82) [¶]	
Characteristic	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
Sex										
Male	237	(51)	81	(55)	157	(60)	12	(32)	51	(62)
Female	227	(49)	67	(45)	104	(40)	26	(68)	31	(38)
Age group										
≤3 mos	_		6	(4)	39	(15)	0	_	1	(1)
4–11 mos	_		1	(1)	13	(5)	0	_	0	_
1–14 yrs	244	(52)	61	(41)	114	(44)	16	(42)	61	(78)
<u>≥</u> 15 yrs	221	(48)	80	(54)	95	(36)	22	(58)	16	(21)
Clinical signs										
Fever	NA**		91	(61)	63	(80)	25	(78)	NA	
Headache	NA		NA	. /	64	(64)	32	(100)	NA	
Stiff neck	NA		73	(49)	32	(41)	24	(75)	NA	
Photophobia	NA		NA	. ,	14	(18)	26	(81)	NA	
Nausea/Vomiting		NA		NA		41	(52)	29	(91)	NA

TABLE. Number and percentage of persons with aseptic meningitis, by demographic and clinical characteristics — Arizona, California, Georgia, Idaho, and South Carolina, 2003

* Data for sex were unavailable for one person.

^T₈ Demographic information was available for 261 cases and clinical information for 79 cases.

Demographic information was available for 38 cases and clinical information for 32 cases.

¹ On the basis of the 82 cases reported in Aiken County. Information on age was available for 78 cases.

** Not available.

was the source specimen in the majority of cases (72 [67%] for E9 and 107 [81%] for E30).

Other enterovirus serotypes reported most frequently include coxsackievirus B1 (29 [8%] of all reports), echovirus 7 (10 [3%]), coxsackievirus A9 (10 [3%]), enterovirus 71 (nine [3%]), coxsackievirus B4 (12 [4%]), and echovirus 5 (seven [2%]).

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Editorial Note: Aseptic meningitis is a central nervous system infection characterized by fever and meningeal symptoms with moderate, predominantly lymphocytic CSF pleocytosis and the absence of bacterial pathogens in CSF. The disease occurs both sporadically and in outbreaks, and >90% of cases with an identified cause are associated with enteroviruses (2). Many aseptic meningitis outbreaks occurring during the current enterovirus season reflect high levels of E9 and E30 activity. In 2003, E9 has been involved predominantly in the outbreaks in the East, and E30 has been linked exclusively with outbreaks in the West.

During 1970–2001, both E9 and E30 were among the 15 enteroviruses reported most commonly each year, accounting for 10.2% and 8.2% of all enterovirus isolates reported to

CDC, respectively (CDC, unpublished data, 2003). However, these enteroviruses have been relatively quiescent in recent years; E9 has not been the predominant enterovirus isolated from clinical specimens since 1995, and E30 has not been widespread since 1998 (7,8). This probably has resulted in an accumulation of cohorts of susceptible persons who have not been exposed previously to these agents. The increase in aseptic meningitis cases associated with high activity of E9 and E30 is consistent with the historic data; during 1988–1999, peak years for viral meningitis hospitalizations in the United States coincided with periods of high activity of either E9 or E30 (1).

Although the majority of cases of enterovirus infections are asymptomatic or result in mild febrile illnesses, aseptic meningitis is the predominant diagnosis reported with the current E9 and E30 activity in the United States because patients with meningitis are more likely to be tested for enteroviruses than those with less severe manifestations. In a small proportion of cases, more severe, life-threatening diseases (e.g., encephalitis, paralysis, myopericarditis, and neonatal enteroviral sepsis) might occur.

Enteroviruses typically demonstrate a marked seasonality in temperate climates, with a typical enterovirus season in the United States occurring during June–October (9). In 2003, the enterovirus season appears to have started early, with the first isolations of E9 reported in January (in Louisiana), the first outbreaks of E9-associated aseptic meningitis reported in March, and the first isolations of E30 reported in April (in Arizona). WNV has the same seasonal pattern as enteroviruses, and is also associated with neurologic signs and symptoms of aseptic meningitis. However, WNV-associated meningitis tends to occur among older persons (median age: 46 years) (10), whereas children and young adults (median age: 13 years) are at highest risk for enteroviral meningitis (1). The investigation of an aseptic meningitis outbreak in an area of high WNV epizootic activity in 2001 indicated that enteroviruses were the leading cause of aseptic meningitis in this area, and no evidence of WNV infection was detected (10). For this reason, diagnostic testing of specimens from younger patients with aseptic meningitis should include testing for enteroviruses, even during a documented WNV outbreak (10).

Early etiologic diagnosis of aseptic meningitis helps to avoid unnecessary antibiotic treatment and additional testing. Although virus culture is the standard technique for enterovirus detection, it consumes time and resources and has limited clinical use. Molecular methods of enterovirus detection (e.g., PCR and typing based on genomic sequences) are increasingly becoming available. Serotype-specific PCR primers have been developed by CDC for several enteroviruses, including E30 (5). These serotype-specific primers are useful for rapid differentiation of cases in patients infected with the outbreak strain from sporadic infections with other enteroviruses.

Aseptic meningitis is a benign, self-limiting illness, and severe illness and death are uncommon. The treatment is symptomatic and the majority of patients recover in approximately 1 week. Enteroviruses typically are spread person to person through the fecal-oral or oral-oral routes and through respiratory droplets and fomites. No specific prevention or control measures are available for nonpolio enteroviruses including E9 and E30. Adherence to good hygienic practices, such as frequent and thorough hand washing (especially after diaper changes), disinfection of contaminated surfaces by household cleaners (e.g., diluted bleach solution), and avoidance of shared utensils and drinking containers, are recommended to help interrupt transmission.

References

- 1. Khetsuriani N, Quiroz E, Holman R, Anderson L. Viral meningitisassociated hospitalizations in the United States, 1988–1999. Neuroepidemiology (in press).
- 2. Rotbart HA. Viral meningitis. Semin Neurol 2000;20:277-92.
- Uysal G, Özkaya E, Güven A. Echovirus 30 outbreak of aseptic meningitis in Turkey. Pediatr Infect Dis J 2000;19:490.
- CDC. Outbreak of aseptic meningitis—Whiteside County, Illinois, 1995. MMWR 1995;46:221–4.
- 5. CDC. Summary of notifiable diseases, United States, 1994. MMWR 1995;43:1–8.
- Kilpatrick DR, Quay J, Pallansch MA, Oberste MS. Type-specific detection of echovirus 30 isolates using degenerate reverse transcriptase PCR primers. J Clin Micro 2001;39:1299–302.
- CDC. Nonpolio enterovirus surveillance—United States, 1993–1996. MMWR 1997;46:748–50.

- 8. CDC. Enterovirus surveillance—United States, 1997–1999. MMWR 2000;49:913–6.
- 9. Strikas RA, Anderson LJ, Parker RA. Temporal and geographic patterns of isolates of nonpolio enterovirus in the United States, 1970–1983. J Infect Dis 1986;153:346–51.
- 10. Julian KG, Mullins JA, Olin A, et al. Aseptic meningitis epidemic during West Nile virus avian epizootic. Emerg Infect Dis (in press).

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Prevalence of Physical Activity, Including Lifestyle Activities Among Adults — United States, 2000–2001

Regular physical activity helps prevent obesity, heart disease, hypertension, diabetes, colon cancer, and premature mortality (1). During 1986–2000, the Behavioral Risk Factor Surveillance System (BRFSS) included questions that measured leisure-time physical activity (primarily exercise or sports-related activities). Previous guidelines for appropriate physical activity to increase cardiorespiratory fitness included participating in vigorous-intensity activity (i.e., >20 minutes per day, ≥ 3 days per week) (2). BRFSS questions used to measure this level of activity were developed a decade before CDC and the American College of Sports Medicine concluded that health-related benefits could accrue from a minimum of 30 minutes of moderate-intensity activity on most days of the week (3). Various household and transportation-related physical activities and some leisure-time activities, therefore, can be important to measure (4). In response to expanded activity recommendations designed to include health-related lifestyle activities, new BRFSS physical activity questions have been developed. After cognitive, validity, and reliability testing, the new lifestyle activity questions were used in the 2001 BRFSS. A separate question allowed tracking of physical inactivity during leisure time across years and was used in the

trust-wor-thy: adj

('trəst-"wər-thē) 1 : worthy of belief
2 : capable of being depended upon;
see also *MMWR*.



know what matters.



2000 and 2001 BRFSS questionnaires (5). This report presents data from responses to the 2000 BRFSS leisure-time activity questions and the updated lifestyle activity questions of the 2001 BRFSS to compare overall U.S. and state-specific prevalence estimates for adults who engaged in physical activities consistent with recommendations from both survey years. The findings indicate that even with a more complete measure of physical activity than used previously, the majority of U.S. adults are not physically active at levels that can promote health.

BRFSS is a population-based, random-digit–dialed telephone survey of the civilian, noninstitutionalized U.S. population aged ≥ 18 years in the 50 states, the District of Columbia, Guam, Puerto Rico, and the U.S. Virgin Islands. Physical activity data were analyzed from the 2000 (n = 180,244; response rate: 48.9%) and 2001 BRFSS (n = 205,140; response rate: 51.1%) (6,7). In 2000, BRFSS respondents were asked to report frequency and duration of the two most common leisure-time physical activities or exercise in which they participated during the preceding month (Table 1). Vigorousintensity activities were defined as activities consistent with the metabolic equivalent of $\geq 60\%$ VO_{2max} (5); all other activities were classified as moderate-intensity.

In 2001, BRFSS respondents were asked to recall overall frequency and duration of time spent in household, transportation, and leisure-time activities of moderate-intensity (e.g., vacuuming, gardening, brisk walking, or bicycling) and of vigorous intensity (e.g., running, aerobics, or heavy yard work) in a usual week (Table 1). Intensity was self-ascribed and defined by using a lead-in statement to the questions. Respondents were asked whether activities in which they participated caused "large" (vigorous) or "small" (moderate) changes in breathing and heart rate. Respondents were classified as active at the recommended level if they reported sufficient physical activities of moderate intensity (i.e., \geq 30 minutes per day, \geq 5 days per week) or of vigorous intensity (i.e., \geq 20 minutes per day, \geq 3 days per week). The 2001 BRFSS estimates provide the current baseline for states.

TABLE 1. Physical activity- and inactivity-tracking questions to assess the prevalence of persons who engaged in activities consistent with physical activity recommendations — Behavioral Risk Factor Surveillance System, 2000 and 2001

Category	2000	2001
Inactivity		
	During the past month, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?	During the past 30 days, other than your regular job, did you participate in any physical activities or exercise such as running, calisthenics, golf, gardening, or walking for exercise?
Physical activity		
	What type of physical activity or exercise did you spend the most time doing during the past month? (Choose from list of activities) If answered walk/run/jog/swim: How far did you usually walk/run/jog/swim?	Lead in: We are interested in two types of physical activity, vigorous and moderate. Vigorous activities cause large increases in breathing or heart rate while moderate activities cause small increases in breathing or heart rate.
	How many times per week or per month did you take part in this activity during the past month?	Now thinking about the moderate physical activities you do (wher you are not working) in a usual week, do you do moderate activities for at least 10 minutes at a time, such as brisk walking,
	And when you took part in this activity, for how many minutes or hours did you usually keep at it?	bicycling, vacuuming, gardening, or anything else that causes small increases in breathing or heart rate?
	Was there another physical activity or exercise that you partici- pated in during the last month?	How many days per week do you do these moderate activities for at least 10 minutes at a time?
	What other type of physical activity gave you the next most exercise during the past month? (Choose from list of activities)	On days when you do moderate activities for at least 10 minutes at a time, how much total time per day do you spend doing these activities?
	If answered walk/run/jog/swim: How far did you usually walk/run/ jog/swim?	Now thinking about the vigorous physical activities you do (when you are not working) in a usual week, do you do vigorous activitie
	How many times per week or per month did you take part in this activity during the past month?	for at least 10 minutes at a time, such as running, aerobics, heav yard work, or anything else that causes large increases in breathing or heart rate?
	And when you took part in this activity, for how many minutes or hours did you usually keep at it?	How many days per week do you do these vigorous activities for at least 10 minutes at a time?
		On days when you do vigorous activities for at least 10 minutes a a time, how much total time per day do you spend doing these activities?

In 2000 and 2001, a tracking question was used to quantify physical inactivity (Table 1). In the 2000 BRFSS, the inactivity question immediately preceded other physical activity questions and specifically referred to leisure-time activities. In the 2001 BRFSS, the inactivity question was asked separately and earlier in the survey (i.e., several sections before the lifestyle physical activity questions) to reduce recall bias. Because of its placement, the wording was changed to include the phrase "other than your regular job."

Data were adjusted for nonresponses, age-adjusted to the 2000 U.S. standard population, and weighted to provide state and overall estimates. Confidence intervals were calculated by using SUDAAN to adjust for the complex survey sample design.

The new 2001 lifestyle activity questions classified more persons in the United States as physically active than did the 2000 leisure-time activity questions. In 2000, a total of 26.2% of adults engaged in activities consistent with the physical activity recommendations, compared with 45.4% in 2001 (Table 2). Physical inactivity, measured by the same tracking question, was similar in 2000 (27.4%) and in 2001 (26.0%) (Table 3).

In 2001, the state-specific percentage of adults who engaged in activities consistent with the physical activity recommendations ranged from 28.9% to 55.8%. State-specific estimates for physical inactivity remained similar during 2000-2001; absolute differences ranged from 0.1% to 12.0%.

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Editorial Note: The findings in this report indicate that the majority of U.S. adults were not physically active on a regular basis in 2000 or 2001. Because of changes to the 2001 BRFSS survey, the difference in the proportion of adults who engaged in activities consistent with physical activity recommendations during 2000-2001 might not reflect an actual increase in physical activity. The percentage of adults who obtained the recommended level of physical activity, as indicated by responses to the 2001 questions, increased for several reasons. First, the new 2001 lifestyle activity questions covered more activity domains (e.g., household, transportation, and leisuretime); the 2000 questions covered only the leisure-time domain. Second, the new 2001 lifestyle activity questions attempted to profile the activities in a usual week rather than reporting the top two activities during the preceding month; therefore, less frequent activities that might not have been mentioned in the 2000 question format could be included in the 2001 overall activity profile. Finally, in 2001, respondents were TABLE 2. Age-adjusted percentage of respondents aged ≥18 years who engaged in activities consistent with physical activity recommendations, by state/area — Behavioral Risk Factor Surveillance System (BRFSS), United States, 2000 and 2001

Surveillance Syste				
		000 BRFSS		01 BRFSS
		commended		ommended
		sical activity*		ical activity [†]
State/Area	%	(95% Cl [§])	%	(95% CI)
Alabama	25.0	(22.9–27.1)	42.4	(40.3–44.5)
Alaska	31.7	(28.7-34.7)	54.6	(51.6-57.6)
Arizona	25.9	(23.1–28.7)	51.2	(48.7–53.7)
Arkansas	24.7	(22.9–26.5)	45.4	(43.3–47.5)
California	28.8	(27.2–30.4)	45.8	(43.9–47.7)
Colorado	30.1	(27.8–32.4)	53.0	(50.5–55.5)
Connecticut	29.5	(27.8–31.2)	48.6	(47.2–50.0)
Delaware	26.3	(24.0–28.6)	41.4	(39.2–43.6)
District of Columbia	34.9	(32.3–37.5)	49.7	(46.9–52.5)
Florida	26.9	(25.5–28.3)	45.5	(43.7–47.3)
Georgia	24.7	(23.0–26.4)	39.2	(37.3–41.1)
Hawaii	34.8	(33.1–36.5)	50.4	(48.4–52.4)
Idaho	29.9	(28.4–31.4)	54.3	(52.5–56.1)
Illinois	26.5	(24.1–28.9)	45.6	(43.0–48.2)
Indiana	25.8	(24.0–27.6)	45.9	(44.1–47.7)
Iowa	23.7	(22.1–25.3)	43.8	(41.8–45.8)
Kansas	22.0	(20.6–23.4)	44.1	(42.4–45.8)
Kentucky	17.7	(16.4–19.0)	28.9	(27.3–30.5)
Louisiana	18.3	(17.1–19.5)	35.1	(33.5–36.7)
Maine	24.6	(22.6–26.6)	50.3	(48.0–52.6)
Maryland	28.4	(26.7–30.1)	45.0	(43.1–46.9)
Massachusetts	29.1	(27.9–30.3)	51.4	(50.1–52.7)
Michigan	29.1	(27.1–31.1)	45.5	(43.7–47.3)
Minnesota	26.6	(24.7–28.5)	48.5	(46.7–50.3)
Mississippi	21.3	(19.3–23.3)	37.6	(35.5–39.7)
Missouri	24.3	(22.5–26.1)	39.9	(37.8–42.0)
Montana	29.4	(27.1–31.7)	51.5	(49.1–53.9)
Nebraska	24.4	(22.6–26.2)	34.2	(32.3–36.1)
Nevada	29.0	(26.2–31.8)	49.8	(46.9–52.7)
New Hampshire	26.3	(24.1–28.5)	50.7	(48.9–52.5)
New Jersey	26.7	(25.0–28.4)	44.0	(42.3–45.7)
New Mexico	28.2	(26.5–29.9)	50.0	(48.0–52.0)
New York	25.5	(23.8–27.2)	44.8	(42.9–46.7)
North Carolina	21.5	(19.8–23.2)	42.3	(40.4–44.2)
North Dakota	26.1	(23.9–28.3)	46.8	(44.6–49.0)
Ohio	23.0	(20.9–25.1)	46.1	(44.0–48.2)
Oklahoma	22.6	(21.0–24.2)	38.9	(37.0–40.8)
Oregon	32.4	(30.7–34.1)	52.9	(50.7–55.1)
Pennsylvania	27.7	(26.0–29.4)	46.8	(44.9–48.7)
Rhode Island	29.8	(28.0–31.6)	48.7	(46.8–50.6)
South Carolina	24.4	(22.7–26.1)	45.3	(43.2–47.4)
South Dakota	25.0	(23.6–26.4)	44.5	(42.9–46.1)
Tennessee	18.4	(16.7–20.1)	36.9	(34.7–39.1)
Texas	25.3	(23.9–26.7)	42.9	(41.4–44.4)
Utah	29.8	(27.6–32.0)	53.1	(51.0–55.2)
Vermont	30.4	(28.7–32.1)	55.0	(53.3–56.7)
Virginia	27.4	(25.1–29.7)	47.6	(45.4–49.8)
Washington	32.4	(30.7–34.1)	55.5	(53.7–57.3)
West Virginia	21.5	(19.6–23.4)	48.4	(46.3–50.5)
Wisconsin	27.1	(25.1–29.1)	52.3	(50.3–54.3)
Wyoming	30.5	(28.4–32.6)	55.8	(53.8–57.8)
Total	26.2	(25.8–26.6)	45.4	(45.0–45.8)

 * Reported any physical activity for ≥30 minutes per day, ≥5 days per week or vigorous-intensity activity (metabolic equivalent ≥60% VO 2max)
 * Reported moderate-intensity activities (i.e., brisk walking, bicycling, vacuuming, gardening, or anything else that causes small increases in breathing or heart rate) for ≥30 minutes per day, ≥5 days per week or vigorous-intensity activities (i.e. running acrebics becauverd work or vigorous-intensity activities (i.e. running activities (i.e. running acrebics becauverd work or vigorous-intensity activities (i.e. running vigorous-intensity activities (i.e., running, aerobics, heavy yard work, or anything else that causes large increases in breathing or heart rate) for §≥20 minutes per day, ≥3 days per week. Confidence interval.

TABLE 3. Age-adjusted percentage of respondents aged ≥18 years who reported no leisure-time physical activity, by state/ area — Behavioral Risk Factor Surveillance System (BRFSS), United States, 2000 and 2001

United States, 200		2000 BRFSS	20	01 BRFSS
	4	physical		physical
		inactivity*		inactivity
State/Area	%	(95% CI†)	%	(95% CI)
Alabama	31.8	(29.5–34.1)	31.1	(29.2–33.0)
Alaska	21.0	(18.5–23.5)	22.4	(20.1–24.7)
Arizona	33.9	(30.5–37.3)	21.9	(19.8–24.0)
Arkansas	27.8	(26.0–29.6)	31.1	(29.2–33.0)
California	26.5	(24.7–28.3)	26.6	(24.8–28.4)
Colorado	20.0	(17.9–22.1)	19.4	(17.5–21.3)
Connecticut	25.0	(23.5–26.5)	23.8	(22.6–25.0)
Delaware	27.9	(25.7–30.1)	25.6	(23.8–27.4)
District of Columbia	20.8	(18.6–23.0)	24.3	(21.9–26.7)
Florida	28.3	(26.8–29.8)	27.1	(25.6–28.6)
Georgia	29.4	(27.7–31.1)	27.6	(26.0–29.2)
Hawaii	23.2	(21.7–24.7)	18.8	(17.3–20.3)
Idaho	19.8	(18.5–21.1)	20.9	(19.5–22.3)
Illinois	29.3	(26.8–31.8)	26.6	(24.3–28.9)
Indiana	25.2	(23.4–27.0)	26.1	(24.6–27.6)
lowa	27.0	(25.3–28.7)	25.5	(23.9–27.1)
Kansas	30.1	(28.5–31.7)	26.4	(25.0–27.8)
Kentucky	41.1	(39.4–42.8)	33.3	(31.8–34.8)
Louisiana	36.4	(34.9–37.9)	35.8	(34.3–37.3)
Maine	26.9	(24.7–29.1)	22.9	(21.2–24.6)
Maryland	24.2	(22.7–25.7)	24.3	(22.7–25.9)
Massachusetts	24.5	(23.4–25.6)	22.7	(21.7–23.7)
Michigan	22.9	(21.1–24.7)	23.3	(21.8–24.8)
Minnesota	24.7	(22.8–26.6)	17.1	(15.8–18.4)
Mississippi	33.7	(31.4–36.0)	33.5	(31.6–35.4)
Missouri Montana	28.5	(26.7–30.3)	27.2	(25.4–29.0)
Nebraska	22.9	(20.9–24.9)	21.5	(19.7–23.3) (29.4–33.0)
Nevada	29.0 24.9	(27.2–30.8) (22.1–27.7)	31.2 22.7	(29.4–33.0) (20.4–25.0)
New Hampshire	24.9 26.7	(22.1–27.7) (24.4–29.0)	19.6	```
New Jersey	28.4	(24.4–29.0) (26.7–30.1)	26.4	(18.2–21.0) (24.9–27.9)
New Mexico	20.4 24.5	(22.9–26.1)	20.4	(24.3–27.5)
New York	24.5	(27.2–31.0)	23.9	(24.3–27.3)
North Carolina	30.6	(28.7–32.5)	26.3	(24.6–28.0)
North Dakota	24.2	(22.1–26.3)	20.5	(21.2–24.8)
Ohio	31.2	(28.9–33.5)	26.1	(24.3–27.9)
Oklahoma	34.2	(32.4–36.0)	32.5	(30.7–34.3)
Oregon	19.9	(18.4–21.4)	20.6	(18.9–22.3)
Pennsylvania	22.5	(20.9–24.1)	20.0	(22.5–25.7)
Rhode Island	27.2	(25.5–28.9)	24.6	(23.1–26.1)
South Carolina	28.1	(26.3–29.9)	26.6	(24.8–28.4)
South Dakota	26.2	(24.8–27.6)	25.0	(23.7–26.3)
Tennessee	32.5	(30.6–34.4)	34.7	(32.7–36.7)
Texas	28.7	(27.2–30.2)	27.3	(26.0–28.6)
Utah	15.9	(14.2–17.6)	17.1	(15.5–18.7)
Vermont	23.2	(21.7–24.7)	20.4	(19.1–21.7)
Virginia	25.1	(23.0–27.2)	23.4	(21.7–25.1)
Washington	16.8	(15.5–18.1)	17.1	(15.8–18.4)
West Virginia	33.5	(31.4–35.6)	31.3	(29.5–33.1)
Wisconsin	22.0	(20.2–23.8)	20.6	(19.0–22.2)
Wyoming	22.6	(20.7–24.5)	21.3	(19.7–22.9)
Total	27.4	(27.0–27.8)	26.0	(25.7–26.3)
		· /		. /

* No reported leisure-time physical activities (i.e., any physical activities or

exercises such as running, calisthenics, golf, gardening, or walking).

asked specifically to recall moderate- and vigorousintensity activities separately, thereby increasing the potential to recall less intense lifestyle activities.

The findings in this report are subject to at least five limitations. First, BRFSS is based on self-reported data and is subject to recall bias. Second, although the new 2001 lifestyle activity questions covered more activity domains than previous BRFSS questions, the domains cannot be considered separately with these few questions. Third, expanding the scope of questions to include more activities and intensity levels provides less information about particular activities. For example, time spent specifically walking or running was not determined. Fourth, the 2001 questionnaire is not designed to assess whether a combination of moderate- and vigorous-physical activity might classify persons as active, because it was not possible to determine whether the moderate and vigorous activities occurred on different days. Therefore, a small proportion of active persons might have been misclassified as not participating in activities consistent with physical activity recommendations. Finally, response rates might have affected estimates. The number of interviews completed in 2001 ranged from 8,628 in Massachusetts to 871 in Guam; the Council of American Survey Research Organizations response rates for states and territories in the 2001 BRFSS ranged from 81.5% in Puerto Rico to 33.3% in New Jersey (6). The median response rate for the 2001 BRFSS was 51.1%. However, BRFSS data have minimal bias compared with census data. In addition, BRFSS data for select health behaviors and health status measures have moderate-to-high reliability and validity (8).

The majority of persons in the United States do not engage in physical activities consistent with the recommendation of a minimum of 30 minutes of moderate-intensity activity on most days of the week. In 2001, a total of 54.6% of persons were not active enough to meet these recommendations. By incorporating lifestyle physical activity measurements in the 2001 BRFSS, states have an updated baseline for evaluating the effectiveness of public health physical activity interventions.

References

- 1. CDC. Physical activity and health: report of the Surgeon General. Atlanta, Georgia: U.S. Department of Health and Human Services, CDC, 1996.
- U.S. Department of Health and Human Services. The 1990 health objectives for the nation: a midcourse review. U.S. Department of Health and Human Services, Public Health Service, Office of Disease Prevention and Health Promotion, 1986.
- Pate RR, Pratt M, Blair SN, et al. Physical activity and public health: a recommendation from the Centers for Disease Control and Prevention and the American College of Sports Medicine. JAMA 1995;273:402–7.
- Ainsworth BE, Haskell WL, Leon AS, et al. Compendium of physical activities: classification of energy costs of human physical activities. Med Sci Sports Exerc 1993;25:71–80.

- 5. CDC. Physical activity trends—United States, 1990–1998. MMWR 2001;50:166–9.
- 6. CDC. 2001 BRFSS summary data quality report. Atlanta, Georgia: U.S. Department of Health and Human Services, CDC, 2002.
- CDC. 2000 BRFSS summary data quality report. Atlanta, Georgia: U.S. Department of Health and Human Services, CDC, 2001.
- Nelson DE, Holtzman D, Bolen J, et al. Reliability and validity of measures from the Behavioral Risk Factor Surveillance System (BRFSS). Soz Praventivmed 2001;46:S3–42.

Detection of West Nile Virus in Blood Donations — United States, 2003

During the 2002 epidemic of West Nile virus (WNV) in the United States, a total of 23 persons were reported to have acquired WNV infection after receipt of blood components from 16 WNV-viremic blood donors (1), and an estimated 500 viremic donations might have been collected (B. Biggerstaff, M.D., CDC, personal communication, 2003). Because of the possibility of recurrent WNV epidemics in the United States, blood collection agencies (BCAs) recently implemented WNV nucleic acid-amplification tests (NATs) to screen all donations and guarantine and retrieve potentially infectious blood components. In addition to NAT screening, the Food and Drug Administration (FDA) recommended that BCAs enhance donor deferral questions by specifically asking about fever with headache occurring in the week before donation and defer persons reporting such symptoms (2). This report describes the NAT screening process for two WNVviremic donors and presents data summarizing the testing results for approximately 95% of the civilian blood donations collected during late June to early August. These preliminary data suggest that investigational screening tests are effective in identifying viremic donations and preventing the implicated blood components from entering the blood supply.

Screening Procedures

Two commercial WNV-screening NATs have been distributed under phase III investigational new drug (IND) approval by FDA. The Roche assay is based on a real-time, quantitative reverse transcriptase polymerase chain reaction (PCR) format (Taqman[®]), and the GenProbe-Chiron assay is based on a transcription-mediated amplification format. Both assays identify highly conserved regions of the WNV genome. Depending on the test format, aliquots of the donation are combined with aliquots from other donors into pools of six (Roche assay) or 16 (GenProbe-Chiron assay) for NAT. If the pool is NATreactive, the individual samples that had been combined are

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tested separately by using the same NAT-screening format. Some laboratories test individual donations with no pooling. When an individual donation is NAT-reactive, all blood components associated with that donation are quarantined; unused components from any donation given by the same donor within the preceding 14-28 days are retrieved. As part of the test evaluation under the investigational status, a series of additional NATs are performed on alternate samples from the implicated donation (i.e., an aliquot from the donated plasma). Additional amplification testing is usually performed by a second laboratory using a different amplification format or primers that are reactive with a different part of the WNV genome. The original donation sample and blood samples collected after the donation are assayed for WNV-specific IgM antibody to document seroconversion in the donor. Donor information, including recent travel history, other exposure history, and review of symptoms compatible with WNV illness before or after donation, is collected by questionnaire within 14 days of donation.

To assist with national WNV surveillance and control efforts, BCAs share WNV NAT-screening data with state health departments. Full confirmatory testing under the IND protocols might not be completed in time to serve public health needs; therefore, preliminary screening results are reported to the state health department of the donor's state of residence. Donors are presumed to be WNV viremic when samples from the initial donation are reactive in the screening NATs of the pool, reactive using the screening NAT as individual samples, and repeatedly reactive as individual samples using an additional NAT. The American Association of Blood Banks, CDC, and FDA collaborated to request BCAs to report the state of residence, age, sex, postal code, and date of donation of presumptive viremic donors (*3*).

Examples of NAT Screening Process

Donor 1. On June 25, 2003, a resident of Harris County, Texas, aged 47 years donated blood locally. A pool of six samples, including this donation, was reactive on NAT screening performed the same day. When individual donations were tested, this person's donation was the only reactive donation identified from the initially reactive pool. A sample of the plasma component (i.e., alternate sample) was tested on June 26 by using the same NAT format and was found to be reactive. On June 27, the BCA reported this case to the Harris County Public Health and Environmental Services as a presumptive WNV infection. Subsequent PCR testing using alternate primers and NAT formats at three different laboratories, including CDC, confirmed the presence of WNV RNA in the blood with an estimated viral load of 7,200 copies/mL (18 plaque-forming units [pfu]/mL). Plasma samples collected from this donor by the BCA 14 and 28 days post-donation did not contain WNV RNA; serologic testing is pending. The donor reported no symptoms suggestive of WNV illness either before donation or during the 4 weeks post-donation. On July 2, the NAT manufacturer reported having sequenced an amplicon (i.e., the amplified segment of viral genome generated by PCR) that was homologous with the 1999 New York strain of WNV. At CDC, WNV was isolated from the plasma. This donor would be eligible to donate blood again 28 days after the original donation (i.e., the most recent reactive NAT result) according to the IND protocol.

Donor 2. On July 9, a South Dakota resident aged 24 years donated blood locally. On July 10, initial screening of the pool of six samples was NAT-reactive. Testing of the individual donor's sample also was reactive on this date, and the BCA notified the South Dakota Department of Health. Aliquots of the donated plasma were tested by using alternate WNV primers and NAT formats at a second laboratory, the South Dakota Public Department of Health State Laboratory, and CDC; all tests were reactive. The viral load was estimated to be 160,000 copies/mL (400 pfu/mL). WNV-specific antibody was identified in a sample collected 14 days postdonation; the donor reported fever and malaise from the second day to the fourth day post-donation.

Status of Blood Donation Screening for WNV

Of the approximately one million donations screened as of August 5, a total of 329 (approximately 0.03%) were found reactive for WNV infection by using the NAT format. Of these 329 donations, 163 (approximately 0.015% of total donations) were repeatedly reactive when tested with an additional NAT; results of additional NATs for 28 screening testreactive donations are pending. The more than one million donations screened represent approximately 95% of the blood collected in the United States during that period; however, testing was performed on all donations. As of August 5, state health departments have reported 38 presumptive WNVviremic donors to ArboNET, the cooperative surveillance project between CDC and 57 state and local health departments. These presumptive WNV-viremic donors have been reported from Colorado, Florida, Louisiana, Mississippi, New Mexico, South Dakota, and Texas. The remaining donors identified by the BCA community have yet to be reported to public health officials in the donors' states of residence or have not yet been reported to ArboNET by public health departments.

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Editorial Note: On the basis of information gathered from BCAs, the investigational screening tests currently in use are successfully identifying viremic donations and preventing the implicated blood components from entering the blood supply. Follow-up testing and data collection performed by BCAs on all presumptive viremic donors identified by the initial screening tests is necessary to confirm these infections, but identification of probable infections might be valuable to surveillance efforts at the state level.

The WNV-screening NAT was commercially developed and implemented during a 9-month period, from September 2002, when the need was identified, to the initiation of donation testing in June 2003. As of July 14, all civilian blood donations collected in the United States, including Puerto Rico, have been screened for WNV by using NATs.

WNV nucleic-acid detection was identified as the most efficient means of interdicting viremic donations, as opposed to donor deferral on the basis of donor symptoms or serologic testing. In addition, since 1999, all blood donations have been screened for human immunodeficiency virus-1 and hepatitis C virus by virus detection using NAT-based methods in a pooled screening format. As a result, testing infrastructure and familiarity with these methods and formats were in place at regional blood screening laboratories. Although the technology for NAT of sample pools will probably detect the majority of viremic donations, the sensitivity of testing in field settings is still under investigation. As a result, patients who have received blood transfusions within 4 weeks preceding the development of febrile illness compatible with WNV infection should be reported to CDC through the local public health authorities to initiate an investigation.

WNV viremia in humans typically lasts an average of 6 days (4,5) and is thought to peak shortly before or within a few days of the onset of symptoms among persons who have WNV illness (6). After illness onset, the concentration of virus in the bloodstream decreases, and detectable amounts of WNV-specific IgM antibody increase. During the investigations of clinical illness resulting from transfusion of WNV-infectious blood products in 2002, the implicated donors were estimated

to have had viremia as low as 0.8 pfu/mL, and many were asymptomatic in the week before or after donation. In all cases in which transfusion transmission of WNV infection was proven, the donated blood was negative for IgM. However, the possibility of transfusion transmission from donors with detectable IgM concurrent with low-level viremia has not been excluded.

After the issuance of industry-wide guidelines from the American Association of Blood Banks (3), which allow for protection of blood donor confidentiality, reporting to public health officials of presumed positive donors has been performed voluntarily by blood banks in several states. The current investigational screening tests are designed to be sensitive for the initial testing of pooled samples from as many as 16 donors. Because of the high sensitivity of these tests, public health officials should be cautious in the use of preliminary test result data because false-positive results can occur. As part of the protocols for evaluation of these investigational tests, all blood products from a donation found to be WNVreactive on initial individual donation screening are excluded from the blood supply. Because the majority of WNV-infected persons remain asymptomatic, collection of data about viremic donors might serve as an essential surveillance tool in addition to screening for removal of potentially infectious products from the blood supply. State health departments receiving reports of these donors are encouraged to notify CDC through ArboNET as part of the national surveillance of human WNV infection.

Acknowledgments

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References

- 1. Pealer LN, Marfin AA, Petersen LR, et al. Transmission of West Nile virus through blood transfusion—United States, 2002. N Engl J Med (in press).
- 2. U.S. Food and Drug Administration. Final guidance for industry: revised recommendations for the assessment of donor suitability and blood and blood product safety in cases of known or suspected West Nile virus infection, May 1, 2003. Available at http://www.fda.gov/cber/ gdlns/wnvguid.htm.
- 3. American Association of Blood Banks. Association bulletin #03-08: recommended guidance for reporting West Nile viremic blood donors to state and/or local public health departments and reporting donors who subsequently develop West Nile virus illness to blood collection facilities, June 25, 2003. Available at http://www.aabb.org/Pressroom/In_the_News/wnab03-8.htm.

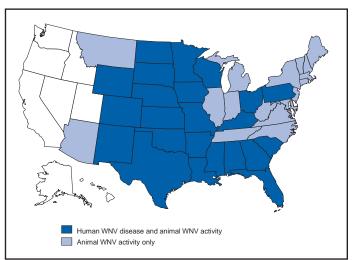
- Southam CM, Moore AE. Induced virus infections in man by the Egypt isolates of West Nile virus. Am J Trop Med Hyg 1954;3:19–50.
- 5. Biggerstaff B, Petersen LR. Estimated risk of transmission of the West Nile virus through blood transfusion in the U.S., 2002. Transfusion 2003;43:1007–17.
- Goldblum N, Sterk RM, Jasinski-Klingberg W. The natural history of West Nile fever II. Virological findings and the development of homologous and heterologous antibodies in West Nile infection in man. Am J Hyg 1957;66:363–80.

West Nile Virus Activity — United States, August 7–13, 2003

This report summarizes West Nile virus (WNV) surveillance data reported to CDC through ArboNET as of 3 a.m., Mountain Daylight Time, August 13, 2003.

During the reporting week of August 7–13, a total of 240 human cases of WNV infection were reported from 18 states (Alabama, Arkansas, Colorado, Georgia, Iowa, Kentucky, Louisiana, Minnesota, Mississippi, Missouri, New Mexico, North Dakota, Oklahoma, Pennsylvania, South Dakota, Texas, Wisconsin, and Wyoming), including five fatal cases from two states (Alabama and Colorado). During the same period, WNV infections were reported in 492 dead birds, 212 horses, one squirrel, and 430 mosquito pools.

During 2003, a total of 393 human cases of WNV infection have been reported from Colorado (n = 195), South Dakota (n = 51), Texas (n = 39), Louisiana (n = 21), Mississippi (n = 14), Pennsylvania (n = 12), Alabama (n = 10), Minnesota (n= seven), Ohio (n = seven), Nebraska (n = six), North Dakota (n = six), Florida (n = four), Iowa (n = four), Kentucky (n = three), New Mexico (n = three), Wyoming (n = three), Oklahoma (n = two), Arkansas (n = one), Georgia (n = one), Kansas (n = one), Missouri (n = one), South Carolina (n = one), and Wisconsin (n = one) (Figure). Among 383 (97%) cases for which demographic data were available, 213 (54%) occurred among men; the median age was 46 years (range: 17 months-89 years). Of the 393 cases, nine fatal cases were reported from Colorado (n = five), Alabama (n = two), and Texas (n = two). In addition, 2,262 dead birds with WNV infection were reported from 38 states and New York City; 403 WNV infections in horses have been reported from 27 states (Alabama, Arkansas, Colorado, Delaware, Florida, Georgia, Iowa, Kansas, Kentucky, Maryland, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Mexico, North Carolina, North Dakota, Oklahoma, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Virginia, Wisconsin, and Wyoming), three WNV infections were reported in dogs, one infection was reported in a squirrel, and five infections were reported in unidentified animal species. During FIGURE. Areas reporting West Nile virus (WNV) activity — United States, 2003*



* As of 3 a.m., Mountain Daylight Time, August 13, 2003.

2003, WNV seroconversions have been reported in 261 sentinel chicken flocks from 10 states (Colorado, Delaware, Florida, Georgia, Iowa, Louisiana, Nebraska, North Carolina, Pennsylvania, and Virginia). Louisiana and South Dakota each reported three seropositive sentinel horses. A total of 1,468 WNV-positive mosquito pools have been reported from 28 states (Arkansas, Arizona, Colorado, Connecticut, Georgia, Illinois, Indiana, Kansas, Kentucky, Louisiana, Massachusetts, Maryland, Michigan, Minnesota, Missouri, Mississippi, Montana, Nebraska, New Jersey, North Dakota, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas, Virginia, and Wisconsin) and New York City.

Additional information about WNV activity is available from CDC at http://www.cdc.gov/ncidod/dvbid/westnile/ index.htm and http://www.cindi.usgs.gov/hazard/event/ west_nile/west_nile.html.

Notice to Readers

National Syndromic Surveillance Conference and Workshop

The National Syndromic Surveillance Conference will be held October 23–24, 2003, at the New York Academy of Medicine in New York City. The conference is sponsored by the New York City Department of Health and Mental Hygiene, the New York Academy of Medicine, and CDC with the support of the Alfred P. Sloan Foundation. A workshop for public health practitioners at state and local health departments will be conducted during October 20–22. The workshop will be a hands-on opportunity to learn the New York City syndromic surveillance system and the SaTScan software.

Bioterrorism events have highlighted the need for improved public health surveillance systems to detect outbreaks. Systems using real-time electronic surveillance of nonspecific disease indicators (i.e., syndromic surveillance) might provide early warning of large outbreaks, whether intentional or occurring naturally. The conference will provide public, private, and academic entities with a forum to evaluate syndromic surveillance critically and will assist public health entities in defining their needs and priorities. Posters and presentations will define the goals and objectives of syndromic surveillance and describe the evaluation of systems, findings from model operational systems, national resources under development, and discuss the usefulness of syndromic surveillance. Work in research and development and lessons from public health practice will be discussed in concurrent sessions. In the research session, aberration detection algorithms, the use of simulated data sets, and syndrome coding will be discussed. In the practitioner session, presenters will describe their experiences and challenges, how they have managed relations with data providers, and signal investigation.

Registration and information are available at http:// www.nyam.org/events/syndromicconference. Deadlines are September 15 to submit abstracts for the poster session or for oral presentations and October 6 to register online. Additional information is available by e-mail, ssc@nyam.org, by telephone, 212-822-7303, or by fax, 212-987-4735.

Notice to Readers

Satellite Broadcast on Immunization

Immunization Update 2003, a live satellite broadcast and webcast, will be presented on August 21 from 9 a.m. to 11:30 a.m. and rebroadcast from 12 p.m. to 2:30 p.m. Both broadcasts will feature a live question-and-answer session in which participants can interact with the course instructors through toll-free telephone lines. Both broadcasts will have a webcast and also will be available for viewing after August 21 at http://www.phppo.cdc.gov/PHTN/webcast/imm-up2003.

The program will provide up-to-date information on the field of immunization. Anticipated topics include influenza

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vaccine, including recommendations for the use of the new live attenuated intranasal vaccine; pneumococcal conjugate vaccine; hepatitis B vaccine; recommendations for the use of new pediatric combination vaccines; an update on the smallpox vaccination program, including recommendations for the use of smallpox vaccine for the prevention of monkeypox; and an update on global poliomyelitis eradication.

The broadcast is designed for physicians, nurses, nurse practitioners, physician assistants, Department of Defense paraprofessionals, pharmacists, and their colleagues who either administer vaccinations or set policy for their offices, clinics, or communicable disease or infection-control programs. Continuing education credit will be offered for several professions based on 2.5 hours of instruction. Continuing Education credit will be available only through the CDC/ ATSDR Training and Continuing Education Online System at http://www.phppo.cdc.gov/phtnonline. Participants must use the online system to register and receive continuing education credits. Information about registration is available by telephone, 800-418-7246.

Notice to Readers

Satellite Broadcast on HIV Prevention

CDC and the Public Health Training Network will present a satellite broadcast and webcast, "Incorporating HIV Prevention into the Medical Care of Persons Living with HIV," on Thursday, November 13, 2003, at 1 p.m., EST. The 2hour forum will discuss *Recommendations for Incorporating HIV Prevention into the Medical Care of Persons Living with HIV,* an update guidance document developed by CDC, the Health Resources and Services Administration, and the National Institutes of Health in partnership with the HIV Medicine Association of the Infectious Diseases Society of America. The document is available at http://www.cdc.gov/mmwr/preview/ mmwrhtml/rr5212a1.html.

The broadcast will identify roles, resources, and training for organizations, individual providers, and persons with acquired immunodeficiency syndrome about planning and delivering strategies and interventions. A panel of experts will address viewers' questions, which can be faxed before, during, and after the program.

Additional information and instructions for continuing education are available at http://www.cdcnpin.org/broadcast and through the CDC Fax Information System, telephone 888-232-3299, by entering document number 130042 and a return fax number. Organizations are responsible for setting up their own viewing sites and are encouraged to register their sites as soon as possible so persons who want to view the broadcast can access information online. Directions for establishing and registering a viewing site are available on the website. The broadcast also can be viewed live or later on computers with Internet and Real Player capability through a link at http://www.phppo.cdc.gov/phtn. Videotapes of the broadcast can be ordered by telephone, 800-458-5231.

Notice to Readers

New Telephone Number to Report Botulism Cases and Request Antitoxin

CDC's 24-hour telephone number for state health departments to report suspected botulism cases, obtain clinical consultation on botulism cases, and request botulinum antitoxin release has changed. State health departments should call 770-488-7100. The call will be taken by the CDC Emergency Operations Center, which will page the Foodborne and Diarrheal Diseases Branch medical officer on call. All other aspects of the botulism emergency response system will remain unchanged.

Medical care providers who suspect a diagnosis of botulism in a patient should immediately call their state health department's emergency 24-hour telephone number. The state health department will contact CDC to arrange for a clinical consultation by telephone and, if indicated, release of botulinum antitoxin.

CASES CURRENT INCREASE DISEASE DECREASE 4 WEEKS 305 Hepatitis A, Acute Hepatitis B, Acute 387 75 Hepatitis C, Acute 207 Legionellosis 3 Measles, Total 79 Meningococcal Infections 8 Mumps 402 Pertussis 0 Rubella 0.25 0.5 2 0.03125 0.0625 0.125 1 4 Ratio (Log Scale)[†] Beyond Historical Limits

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals August 9, 2003, with historical data

* No rubella cases were reported for the current 4-week period yielding a ratio for week 32 of zero (0). † Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

TABLE I Summary of provisional cases of selected notifiable diseases	. United States, cumulative, week ending August 9, 2003 (32nd Week)*

	Cum. 2003	Cum. 2002		Cum. 2003	Cum. 2002
Anthrax	-	2	Hansen disease (leprosy)†	30	62
Botulism:	-	-	Hantavirus pulmonary syndrome [†]	12	14
foodborne	7	18	Hemolytic uremic syndrome, postdiarrheal [†]	66	111
infant	32	44	HIV infection, pediatric ^{1§}	144	104
other (wound & unspecified)	17	9	Measles, total	31¶	22**
Brucellosis [†]	43	70	Mumps	129	179
Chancroid	27	46	Plague	1	-
Cholera	1	1	Poliomyelitis, paralytic	-	-
Cyclosporiasis [†]	44	126	Psittacosis [†]	11	12
Diphtheria	-	1	Q fever [†]	44	33
Ehrlichiosis:	-	-	Rabies, human	-	1
human granulocytic (HGE) [†]	137	169	Rubella	6	10
human monocytic (HME) [†]	65	105	Rubella, congenital	-	1
other and unspecified	15	13	Streptococcal toxic-shock syndrome [†]	118	79
Encephalitis/Meningitis:	-	-	Tetanus	7	16
California serogroup viral [†]	4	27	Toxic-shock syndrome	82	71
eastern equine [†]	4	1	Trichinosis	1	12
Powassan [†]	-	1	Tularemia [†]	39	48
St. Louis [†]	-	7	Yellow fever	-	-
western equine ⁺	4	-			

-: No reported cases.

Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date). t

Not notifiable in all states.

[§] Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP). Last update July 27, 2003. Of 31 cases reported, 24 were indigenous and seven were imported from another country.

** Of 22 cases reported, 12 were indigenous and 10 were imported from another country.

(32nd Week)*	А	IDS	Chla	mydia⁺	Coccidio	domycosis	Cryptosp	oridiosis		s/Meningitis at Nile
Reporting area	Cum. 2003§	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002
UNITED STATES	26,605	24,521	484,079	497,286	2,156	2,735	1,235	1,449	55	310
NEW ENGLAND	905	1,003	16,425	16,342	-	-	81	88	-	-
Maine N.H.	49 22	23 20	1,200 895	950 973	N	N	8 8	3 16	-	-
Vt. Mass.	11 371	8 514	620	508 6,467	-	-	18 32	16 34	-	-
R.I.	69	70	6,579 1,638	1,684	-	-	10	13	-	-
Conn.	383	368	5,493	5,760	Ν	N	5	6	-	-
MID. ATLANTIC Upstate N.Y.	6,223 665	5,658 466	53,873 11,603	55,266 9,999	N	N	164 50	193 49	4 1	1
N.Y. City N.J.	3,189 1,044	3,202 922	20,018 7,774	18,823 7,644	-	-	47 4	79 12	-	1
Pa.	1,325	1,068	14,478	18,800	Ν	Ν	63	53	3	-
E.N. CENTRAL Ohio	2,625 466	2,488 447	82,104 20,432	91,164 23,481	6	18	284 53	458 79	7 7	46
Ind.	345	345	9,607	9,887	Ν	N	33	26	-	-
III. Mich.	1,238 451	1,170 401	24,525 18,554	28,977 18,594	- 6	2 16	33 61	70 66	-	40
Wis.	125	125	8,986	10,225	-	-	104	217	-	6
W.N. CENTRAL Minn.	486 95	419 91	27,329 6,012	27,490 6,418	1 N	1 N	160 61	162 66	18 2	3
Iowa	55	50	2,676	2,972	N	N	32	16	-	-
Mo. N. Dak.	230 2	187 1	9,402 700	9,272 760	N	N	14 11	19 10	-	-
S. Dak. Nebr. [¶]	8 35	3 43	1,565 2,769	1,281 2,522	- 1	- 1	22 6	5 35	9 6	3
Kans.	61	44	4,205	4,265	N	Ň	14	11	1	-
S. ATLANTIC Del.	7,717 149	7,404 130	95,151 1,858	93,971 1,598	3 N	3 N	191 3	175 2	6	5
Md.	882	1,062	10,015	9,431	3	3	10	10	-	-
D.C. Va.	725 627	371 535	1,779 10,632	2,002 10,536	-	-	8 21	4 7	-	-
W.Va. N.C.	54 799	57 536	1,540 15,822	1,475 15,018	N N	N N	3 19	2 23	-	-
S.C. ¹	504	533	8,626	8,760	-	-	3	2	1	-
Ga. Fla.	1,202 2,775	1,161 3,019	20,383 24,496	19,500 25,651	N	N	69 55	69 56	1 4	5
E.S. CENTRAL	1,144	1,105	32,431	32,084	Ν	Ν	59	82	1	93
Ky. Tenn.	98 517	172 467	5,006 11,716	5,234 9,856	N N	N N	14 20	3 43	1	-
Ala.	271	194 272	8,245	10,048	N	N	22	32	-	-
Miss. W.S. CENTRAL	258 2,737	2,677	7,464 61,980	6,946 66,601	-	6	3 17	4 39	- 18	93 162
Ark.	107	164	4,533	4,646	-	-	4	7	-	-
La. Okla.	402 139	685 130	11,061 6,828	11,630 6,998	N N	N N	2 7	8 8	-	115
Tex.	2,089	1,698	39,558	43,327	-	6	4	16	18	47
MOUNTAIN Mont.	967 10	777 8	28,744 1,283	30,789 1,321	1,486 N	1,861 N	68 13	89 4	1	-
Idaho Wyo.	15 6	18 6	1,479 597	1,510 549	N 1	N	15 2	18 6	-	-
Colo.	215	156	6,583	8,511	N	N	15	27	-	-
N. Mex. Ariz.	75 432	53 315	4,143 8,542	4,612 9,070	4 1,451	6 1,825	3 3	15 11	1	-
Utah Nev.	40 174	43 178	2,827 3,290	1,566 3,650	7 23	9 21	11 6	5 3	-	-
PACIFIC	3,801	2,990	3,290 86,042	3,650 83,579	659	845	211	163	-	-
Wash.	290	299	9,856	8,945	N	N	25	9	-	-
Oreg. Calif.	165 3,271	213 2,394	4,378 67,978	4,195 65,508	659	845	28 158	25 128	-	-
Alaska Hawaii	13 62	17 67	2,287 1,543	2,221 2,710	-	-	-	- 1	-	-
Guam	6	1	-	370	-	-	-	-	-	-
P.R. V.I.	724 22	667 62	1,158 142	1,558 119	N	N	N	N	-	-
Amer. Samoa	U	U	U	U	U	U	U	U	U	U
C.N.M.I.		U	-	U		U	- Mariana Islar	U	-	U

 TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending August 9, 2003, and August 10, 2002

 (32nd Week)*

N: Not notifiable. U: Unavailable. -: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands. * Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date). † Chlamydia refers to genital infections caused by *C. trachomatis.* § Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update July 27, 2003. ¶ Contains data reported through National Electronic Disease Surveillance System (NEDSS).

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teropring name Other Server Unit of the Server Un			Escher				n positive.				
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Maine 6 19 1 3 - - 88 99 127 177 177 Mass. 24 64 3 14 8 3 267 573 1643 1974 Mass. 24 64 3 14 8 3 267 573 1643 1974 Conn. 21 29 17 8 - - 137 199 1,720 2,6473 Mass. 13 16 7 1 20 2 1,733 2,294 4,650 5,7473 Multy 5 33 - - - 1773 2,640 4,500 7,472 Pat. 50 59 4 1 10 2 488 1,333 13,053 Chino 13 84 13 2,11 3,344 4,33 7,951 8,4473 Ohino 51 15 15 16 <td< td=""><td></td><td>1,025</td><td>1,618</td><td>. 114</td><td></td><td>72</td><td>24</td><td>9,217</td><td>10,952</td><td>183,541</td><td>211,719</td></td<>		1,025	1,618	. 114		72	24	9,217	10,952	183,541	211,719
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Colo. 35 58 2 4 6 4 225 277 1,530 2,080 N.Mex. 4 4 3 3 - - 23 94 692 914 Ariz. 19 18 N N N N 148 113 2,297 2,168 Utah 29 35 - - - -190 151 2.64 145 Nev. 10 15 - - - 74 77 1,098 1,170 PACIFIC 133 262 3 5 - - 146 216 1,692 1,746 Oreg. 24 53 1 5 - - 205 242 581 512 Calif. 68 114 - - - 1,655 321 379 Hawaii 3 27 1 - - - 47		26	12				-				
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Utah 29 35 - - - - 190 151 264 145 Nev. 10 15 - - - - 74 77 1,098 1,170 PACIFIC 133 262 3 5 - - 146 216 1,692 1,746 Wash. 37 63 1 - - - 146 216 1,692 1,746 Oreg. 24 53 1 5 - - 205 242 581 512 Calif. 68 114 - - - 1,150 1,414 14,251 14,621 Alaska 1 5 - - - 47 55 321 379 Hawaii 3 27 1 - - - 47 55 334 399 Guam N N - - -	N. Mex.	4	4	3	3	-	-	23	94	692	914
PACIFIC 133 262 3 5 - - 1,585 1,992 17,179 17,657 Wash. 37 63 1 - - - 146 216 1,692 1,746 Oreg. 24 53 1 5 - - 205 242 581 512 Calif. 68 114 - - - - 1,150 1,414 14,251 14,621 Alaska 1 5 - - - 47 55 321 379 Hawaii 3 27 1 - - - 47 55 334 399 Guam N N - - - - 6 - 32 P.R. - 1 - - - 30 38 123 232 VI. - - - - - 36 <t< td=""><td></td><td>29</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>145</td></t<>		29									145
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				-	-	-	-				
Oreg. 24 53 1 5 - - 205 242 581 512 Calif. 68 114 - - - - 1,150 1,414 14,251 14,621 Alaska 1 5 - - - 47 55 321 379 Hawaii 3 27 1 - - - 47 55 321 379 Guam N N - - - - 37 65 334 399 Guam N N - - - - 6 - 32 P.R. - 1 - - - 30 38 123 232 V.I. - - - - 30 38 123 232 Amer.Samoa U U U U U U U U U U					5	-	-				
Alaska 1 5 - - - - 47 55 321 379 Hawaii 3 27 1 - - - 37 65 334 399 Guam N N - - - - - - 37 65 334 399 Guam N N - - - - - - 37 65 334 399 Guam N N - - - - - - - 37 65 321 379 Guam N N - - - - - - - 37 65 334 399 Guam N N - - - - - 30 38 123 232 232 232 232 231 31 31 31 31 31 31 31 31 31 31 31 31 31 31 31	Oreg.	24	53	1	5	-	-	205	242	581	512
Guam N N - - - - 6 - 32 PR. - 1 - - - 30 38 123 232 V.I. - - - - - 36 31 Amer.Samoa U U U U U U U U U	Alaska	1	5	-	-	-	-	47	55	321	379
P.R. - 1 - - - 30 38 123 232 V.I. - - - - - - 36 31 Amer. Samoa U U U U U U U U U				1	-	-	-				
V.I	P.R.			-	-	-	-			123	232
		- U	- U	- U	- U	- U	- U	- U	- U		

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 9, 2003, and August 10, 2002 (32nd Week)*

(32nd Week)*	Haemophilus in		<i>influenzae</i> , inv	asive [†]			Hepatitis			
	All	ages			Age <5				- ·	te), by type
	All sei	rotypes	Serot	ype b	Non-ser	otype b	Unknown	serotype		A
Reporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002
UNITED STATES	1,077	1,101	8	20	61	88	119	102	3,525	5,687
NEW ENGLAND	86	71	1	-	6	7	5	1	171	201
Maine N.H.	2 11	1 6	- 1	-	-	-	1	-	9 8	6 11
Vt.	6	5	-	-	-	-	-	-	5	1
Mass. R.I.	42 4	31 10	-	-	6	3	3 1	1	95 11	88 28
Conn.	21	18	-	-	-	4	-	-	43	67
MID. ATLANTIC Upstate N.Y.	235 88	201 77	-	2 2	1 1	11 4	32 9	20 6	679 79	722 120
N.Y. City	41	48	-	-	-	-	8	9	221	259
N.J. Pa.	40 66	42 34	-	-	-	- 7	6 9	5	85 294	118 225
E.N. CENTRAL	144	224	1	2	5	9	23	30	395	707
Ohio Ind.	50 32	62 33	-	- 1	- 3	1 7	8	7	83 42	203 33
III.	41	82	-	-	-	-	11	15	115	185
Mich. Wis.	15 6	9 38	1	1	2	1	2 2	- 8	123 32	151 135
W.N. CENTRAL	82	48	-	1	6	2	9	3	120	204
Minn. Iowa	31	29 1	-	1	6	2	1	1	33 19	28 46
Mo.	34	10	-	-	-	-	8	2	43	58
N. Dak. S. Dak.	1 1	4 1	-	-	-	-	-	-	-	1 3
Nebr.	2	-	-	-	-	-	-	-	5	13
Kans. S. ATLANTIC	13	3	-	-	-	-	-	-	20	55
Del.	253	246	-	4	9	13	14	19	852 4	1,574 10
Md. D.C.	58	63	-	1	5	2	-	1	91 26	185 55
Va.	38	22	-	-	-	-	5	3	48	57
W.Va. N.C.	11 22	9 23	-	-	- 1	- 3	-	1	13 46	12 146
S.C. Ga.	3 50	9 55	-	-	-	-	- 5	2 9	25 329	45 325
Fla.	71	65	-	3	3	8	3	3	270	739
E.S. CENTRAL	49	45	1	1	-	4	6	7	98	179
Ky. Tenn.	2 29	4 21	-	-	-	1 -	- 4	- 5	20 54	39 71
Ala. Miss.	16 2	13 7	1	1	-	3	1 1	1 1	11 13	25 44
W.S. CENTRAL	43	39		2	5	7	3	2	166	607
Ark.	6	1	-	-	1	-	-	-	15	36
La. Okla.	7 28	4 32	-	-	- 4	- 7	2 1	2	38 10	57 31
Tex.	2	2	-	2	-	-	-	-	103	483
MOUNTAIN Mont.	124	126	4	4	17	19	19	11	294 4	354 10
Idaho	3	2	-	-	-	-	1	1	-	22
Wyo. Colo.	1 23	2 25	-	-	-	-	- 5	- 2	1 42	2 53
N. Mex.	15	20	-	-	4	4	2	1	11	11
Ariz. Utah	64 11	56 14	4-	2 1	6 4	12 3	8 3	5	177 23	197 25
Nev.	7	7	-	1	3	-	-	2	36	34
PACIFIC Wash.	61 6	101 2	1	4 1	12 4	16 1	8 1	9	750 37	1,139 112
Oreg.	32	39	-	-	-	-	3	3	40	44
Calif. Alaska	16	32 1	1	3	8	15	4	2 1	662 7	959 7
Hawaii	7	27	-	-	-	-	-	3	4	17
Guam P.R.	-	- 1	-	-	-	-	-	-	- 24	- 135
V.I.	-	-	-	-	-	-	-	-	-	-
Amer. Samoa C.N.M.I.	U -	U U	U -	U U	U -	U U	U -	U U	U -	U U
N: Not notifiable	U: Unavailable	-	orted cases	~		~		~		5

 TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending August 9, 2003, and August 10, 2002

 (32nd Week)*

N: Not notifiable. U: Unavailable. -: No reported cases. * Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date). * Non-serotype b: nontypeable and type other than b; Unknown serotype: type unknown or not reported. Previously, cases reported without type information were counted as non-serotype b.

			, acute), by ty							
	Cum.	B Cum.	Cum.	Cum.	Legior Cum.	nellosis Cum.	Lister Cum.	iosis Cum.	Lyme Cum.	disease Cum.
Reporting area	2003	2002	2003	2002	2003	2002	2003	2002	2003	2002
UNITED STATES	3,729	4,521	862	1,144	933	601	309	319	7,001	10,218
NEW ENGLAND Maine	143 1	161 5	2	18	34 1	52 2	23 5	34 2	1,154 105	2,106 49
N.H.	11	12	-	-	4	4	2	2	41	109
∕t.	2	3	2	12	2	18	-	2	15	18
Mass. R.I.	113 8	89 17	-	6	13 2	20 1	10	19 1	188 141	1,412 113
Conn.	8	35	U	U	12	7	6	8	664	405
AID. ATLANTIC	575	967	105	58	205	154	55	72	4,671	6,071
Jpstate N.Y. I.Y. City	65 246	73 488	33	27	62 15	41 27	16 10	24 19	2,174 2	2,534 49
۱.J.	109	190	-	4	4	20	7	11	544	1,708
Pa.	155	216	72	27	124	66	22	18	1,951	1,780
E.N. CENTRAL	250	398	132	67	204	159	37	46	280	909
Dhio nd.	88 22	59 30	9 1	-	131 11	64 11	14 2	12 6	33 9	40 11
II.	1	80	9	12	3	19	5	12	-	39
/lich. Vis.	116 23	193 36	113	52 3	48 11	38 27	13 3	12 4	1 237	16 803
V.N. CENTRAL	192	130	138	510	42	29	9	10	151	151
/linn.	26	12	7	2	3	2	3	-	105	89
owa ⁄lo.	4 131	12 68	1 129	1 499	9 19	7 9	- 3	1 6	15 24	24 30
N. Dak.	-	4	-		1	-	-	1	-	-
S. Dak. Nebr.	2 16	-	-	- 8	1 2	2	- 3	- 1	- 2	-
ans.	13	19 15	1	-	7	9	-	1	5	4 4
. ATLANTIC	1,193	1,094	113	127	293	110	70	46	616	782
)el.	5	12	-		12	6	N	N	85	113
1d.).C.	78 6	87 13	10	7	65 8	20 5	12	9	376 5	484 15
/a.	104	127	4	2	57	10	7	3	44	52
V. Va. I.C.	12 111	14 161	1 8	1 17	11 21	- 7	3 11	- 4	6 56	8 63
S.C.	94	69	23	4	5	6	2	6	1	9
Ga. Fla.	363 420	293 318	3 64	57 39	19 95	8 48	20 15	8 16	12 31	1 37
S. CENTRAL	251	233	82	80	55	19	14	8	29	36
ίy.	42	38	8	4	21	9	2	2	7	13
ēnn. Ma.	116 41	91 48	41 6	18 4	22 11	4 6	4 6	3 3	9 1	9 7
Aiss.	52	56	27	54	1	-	2	-	12	7
V.S. CENTRAL	187	627	189	166	11	17	14	18	33	94
vrk. .a.	32 42	82 77	3 41	10 60	1	- 4	1	- 1	- 3	2 3
a. Dkla.	31	29	2	4	4	3	- 1	5	-	-
ex.	82	439	143	92	6	10	12	12	30	89
10UNTAIN 1ont.	381 8	385 3	43 1	42	43 2	22 3	18 1	20	10	9
daho	-	6	-	-	2 3	-	1	2	2	2
Vyo.	22	12	-	5	2	1		-	-	-
colo. I. Mex.	49 19	48 110	23	5 2	8 2	3 1	7 2	3 2	3	- 1
riz.	193	141	6	4	9	6	5	9	-	2
Itah Iev.	40 50	25 40	- 13	4 22	13 4	7 1	- 2	3 1	2 3	3 1
ACIFIC	557	526	58	76	46	39	69	65	57	60
Vash.	37	42	8	15	5	1	2	5	-	3
Dreg. Calif.	75 427	92 380	9 39	10 51	N 41	N 38	3 61	7 47	14 41	10 46
laska	8	6	1	-	-	-	-	-	2	1
lawaii	10	6	1	-	-	-	3	6	N	N
Guam P.R.	- 38	- 114	-	-	-	-	-	- 2	- N	N
<u>/.1.</u>	-	-	-	-	-	-	-	-	-	-
mer. Samoa	U	U	U	U	U	U	U	U	U	U

(32nd Week)*									-	
	Ma	laria		gococcal ease	Pert	ussis	Rabies	s, animal		Nountain d fever
Reporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002
UNITED STATES	527	814	1,038	1,227	3,688	4,644	3,045	4,510	335	558
NEW ENGLAND	24	46	50	72	350	418	297	522	-	2
Maine	2	2	5	4	11	5	29	30	-	-
N.H. Vt.	2	6 1	3	9 4	25 46	9 80	11 21	25 72	-	-
Mass.	9	22	32	37	260	290	110	170	-	2
R.I. Conn.	- 11	3 12	2 8	5 13	7 1	9 25	28 98	40 185	-	-
MID. ATLANTIC	113	203	133	157	339	192	274	706	15	40
Upstate N.Y. N.Y. City	32 51	27 124	33 25	36 27	191	123 11	211 1	393 10	1 6	- 9
N.J.	10	27	19	23	22	-	62	100	5	14
Pa.	20	25	56	71	126	58	-	203	3	17
E.N. CENTRAL Ohio	50 11	114 14	160 46	181 57	278 143	552 264	71 31	74 16	6 4	24 10
Ind.	1	9	32	22	32	40	7	16	-	3
III. Mich.	18 16	48 34	35 33	42 28	- 50	99 36	8 23	14 17	- 2	9 2
Wis.	4	9	14	32	53	113	2	11	-	-
W.N. CENTRAL	28	46	96	98	192	369	387	309	30	74
Minn. Iowa	15 3	16 2	20 16	22 14	59 44	141 103	22 57	19 43	1 2	2
Mo. N. Dak.	2 1	12 1	44 1	37	51 3	74 5	13 39	29 29	22	68
S. Dak.	2	1	1	2	3	5	67	64	2	-
Nebr. Kans.	- 5	5 9	7 7	18 5	4 28	5 36	58 131	- 125	1 2	4
S. ATLANTIC	161	186	204	187	323	245	1,524	1,614	216	248
Del.	1	2	7	6	1	2	26	24	-	-
Md. D.C.	42 7	65 15	22	5	45	35 1	147	257	58	30
Va. W. Va.	20 4	17 3	20 4	28 2	64 6	96 17	342 58	346 114	14 4	17 1
N.C.	13	12	27	20	83	24	489	417	97	141
S.C. Ga.	3 27	5 28	19 22	18 22	49 23	28 18	136 227	74 264	12 23	36 18
Fla.	44	39	83	86	52	24	99	118	8	5
E.S. CENTRAL	7	11	51	70	87	146	124	156	43	77
Ky. Tenn.	1 4	4 2	11 13	12 28	28 41	57 56	27 82	17 108	- 33	3 41
Ala.	2	3	13	16	14	25	15	31	3	11
Miss.	-	2	14 69	14 149	4	8	-	-	7	22 80
W.S. CENTRAL Ark.	16 4	38 1	10	20	279 8	1,168 445	162 25	776	19	80 21
La. Okla.	3 3	3 4	24 12	30 16	6 12	6 34	- 137	- 76	- 18	- 49
Tex.	6	30	23	83	253	683	-	700	1	10
MOUNTAIN	24	34	52	71	617	562	85	172	6	11
Mont. Idaho	- 1	1	3 6	2 3	1 46	4 46	13 3	8 16	1 1	1
Wyo. Colo.	1 12	- 19	2 13	- 22	119 205	10 214	1	14 26	2 1	4 1
N. Mex.	-	2	6	3	35	112	15 5	6	-	-
Ariz. Utah	7 2	5 4	15 1	21 2	122 66	98 47	39 6	96 3	1	-
Nev.	1	3	6	18	23	31	3	3	-	5
PACIFIC	104	136	223	242	1,223	992	121	181	-	2
Wash. Oreg.	16 7	13 7	20 37	46 34	335 291	296 125	- 5	- 8	-	2
Calif.	76	108	158	154	588	546	113	147	-	-
Alaska Hawaii	- 5	2 6	1 7	2 6	- 9	4 21	3	26	-	-
Guam	-	-	-	1	-	2	-	-	-	-
P.R. V.I.	-	1	2	5	-	2	47	54	N	N
Amer. Samoa	U	U	U	U	U	U	U	U	U	U
C.N.M.I.	-	U	-	U	-	U	-	U	-	U

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 9, 2003, and August 10, 2002 (32nd Week)*

MMWR

(32nd Week)*							Stre	ptococcus pne	umoniae, inv	asive
	Solma	onellosis	Shige	llocio	Streptococo		Drug re	sistant,		
	Cum.	Cum.	Cum.	Cum.	invasive, Cum.	Cum.	all a	Cum.	Cum.	5 years Cum.
Reporting area	2003	2002	2003	2002	2003	2002	2003	2002	2003	2002
UNITED STATES NEW ENGLAND	20,331 1,173	22,541 1,196	11,963 177	10,347 180	3,691 307	3,216 250	1,484 40	1,703 75	293 6	218 1
Maine	77	83	6	3	21	20	-	-	-	-
N.H. Vt.	81 39	73 42	5 6	6	19 16	27 9	- 6	- 4	N 3	N 1
Mass.	692	690	117	121	140	84	N	N	N	Ň
R.I. Conn.	63 221	75 233	7 36	6 44	9 102	13 97	10 24	6 65	3 U	U
MID. ATLANTIC	2,260	3,111	1,264	910	606	538	92	81	69	57
Upstate N.Y. N.Y. City	567 640	818 804	202 217	138 270	275 90	215 125	50 U	72 U	53 U	47 U
N.J.	211	659	161	352	42	113	N	N	N	N
Pa. E.N. CENTRAL	842 3,069	830 3,395	684 1,095	150 1,144	199 842	85 691	42 320	9 152	16 130	10 81
Ohio	887	796	245	394	247	157	210	28	77	-
Ind. III.	340 978	280 1,193	92 517	59 488	86 179	39 202	110	122 2	33	40
Mich.	460 404	570	167	99	284 46	212	N	N	N	N
Wis. W.N. CENTRAL	404 1,428	556 1,389	74 489	104 695	46 241	81 185	N 125	N 326	20 42	41 40
Minn.	335	328	59	141	121	95	-	220	36	36
Iowa Mo.	206 536	228 468	35 249	72 104	N 49	N 38	N 9	N 5	N 2	N 1
N. Dak.	25	24	3	16	10	-	3	1	4	3
S. Dak. Nebr.	60 87	52 100	9 87	150 151	18 21	10 16	1 -	1 25	N	N
Kans.	179	189	47	61	22	26	112	74	Ν	Ν
S. ATLANTIC Del.	5,301 48	5,259 44	4,817 142	3,301 27	678 6	527 1	758 1	787 3	8 N	19 N
Md.	466	507	399	645	207	84	-	-	-	14
D.C. Va.	21 572	48 544	41 262	39 569	10 85	6 55	2 N	N	4 N	3 N
W. Va. N.C.	70 644	68 670	- 596	4 207	30 80	13 100	51 N	34 N	4 U	2 U
S.C.	281	316	268	69	30	29	106	136	N	N
Ga. Fla.	1,005 2,194	985 2,077	1,276 1,833	765 976	83 147	101 138	187 411	196 418	N N	N N
E.S. CENTRAL	1,326	1,582	558	813	139	74	95	104	-	-
Ky. Tenn.	236 425	188 403	68 190	82 42	32 107	13 61	12 83	13 91	N N	N N
Ala.	296	413	177	425	-	-	-	-	N	N
Miss. W.S. CENTRAL	369 1,697	578 2,320	123 1,649	264 1,588	- 136	- 209	- 32	- 145	- 34	- 17
Ark.	344	474	59	130	5	6	8	5	-	-
La. Okla.	195 239	445 256	132 515	296 289	1 62	1 35	24 N	140 N	10 24	4 2
Tex.	919	1,145	943	873	68	167	Ν	Ν	-	11
MOUNTAIN Mont.	1,209 56	1,260 60	570 2	384 3	344 2	400	19	33	4	3
Idaho	103	76	14	2	14	5	N	N	N	N
Wyo. Colo.	59 275	37 359	1 93	4 79	2 96	7 82	4	10	-	-
N. Mex.	111	165	108	71	85	74	15	23	-	-
Ariz. Utah	385 123	334 98	292 30	184 18	135 9	205 27	-	-	N 4	N 3
Nev.	97	131	30	23	1	-	-	-	-	-
PACIFIC Wash.	2,868 319	3,029 280	1,344 102	1,332 92	398 38	342 18	3	-	N	N
Oreg. Calif.	240 2,150	223 2,320	121	60	N 304	N	N	N	N	N
Alaska	50	41	1,098 5	1,143	-	282	N	N -	N N	N N
Hawaii	109	165	18	35	56	42	3	-	-	-
Guam P.R.	- 156	29 264	- 2	19 20	N	N	N	4 N	N	N
V.I. Amer. Samoa	U	- U	- U	U	- U	- U	- U	- U	- U	- U
C.N.M.I.	-	U	-	U	-	U	-	U	-	U

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending August 9, 2003, and August 10, 2002

(32nd Week)*										
			ohilis Congenital		Tuberculosis			Varicella		
	Primary & secondary Cum. Cum.		Cong Cum.	enital Cum.	Cum.	Culosis Cum.	Typhoi Cum.	d fever Cum.	(Chickenpox) Cum.	
Reporting area	2003	2002	2003	2002	2003	2002	2003	2002	2003	
UNITED STATES	4,055	3,944	220	245	6,319	7,628	156	178	8,054	
NEW ENGLAND Maine	127 6	83 1	1 1	-	184 5	247 10	15	8	1,240 633	
N.H.	13	2	-	-	7	8	1	-	-	
Vt. Mass.	- 83	1 59	-	-	3 112	4 123	- 7	- 6	492 112	
R.I.	12	2	-	-	24	34	2	-	3	
Conn. MID. ATLANTIC	13	18 426	-	-	33	68	5	2	-	
Upstate N.Y.	462 24	20	43 12	36 1	1,206 148	1,297 191	18 3	48 3	16 N	
N.Y. City N.J.	280 82	253 81	24 7	16 18	702 215	637 290	9 5	25 13	-	
Pa.	76	72	-	1	141	179	1	7	16	
E.N. CENTRAL	570	741	41	36	693	763	12	19	3,735	
Ohio Ind.	136 31	87 39	2 7	1 2	122 86	125 66	1 4	5 2	925	
III. Mich.	215 178	286 313	14 18	27 6	327 126	371 159	1 6	6 3	- 2,259	
Wis.	10	16	-	-	32	42	-	3	551	
W.N. CENTRAL	92	77	2	-	277	332	2	6	37	
Minn. Iowa	32 4	37 2	-	-	106 17	139 17	- 1	3	N N	
Mo.	32	17	2	-	72	93	1	1	-	
N. Dak. S. Dak.	- 1	-	-	-	- 16	4 10	-	-	37	
Nebr. Kans.	3 20	5 16	-	-	8 58	17 52	-	2	-	
S. ATLANTIC	1,081	975	38	57	1,274	1,573	35	23	1,540	
Del.	4	9	-	-	-	13	-	-	18	
Md. D.C.	182 35	115 31	7	10 1	129	170	7	5	22	
Va. W.Va.	55 2	45 2	1	1	159 11	168 18	10	2	427 905	
N.C.	100	180	11	15	184	195	6	1	Ν	
S.C. Ga.	66 254	79 200	4 3	7 9	97 186	115 316	- 6	- 4	168	
Fla.	383	314	12	14	508	578	6	11	Ν	
E.S. CENTRAL	193 24	325 61	12 1	18 3	389 69	457 80	5	4 4	- N	
Ky. Tenn.	82	121	6	5	127	175	2	-	N	
Ala. Miss.	71 16	109 34	4 1	7 3	139 54	129 73	3	-	-	
W.S. CENTRAL	520	504	38	51	837	1,185	6	19	1,116	
Ark.	32	20	-	3	60	76	-	-	-	
La. Okla.	79 34	88 38	- 1	- 1	90	100	-	-	4 N	
Tex.	375	358	37	47	687	1,009	6	19	1,112	
MOUNTAIN Mont.	184	182	21	9	194 5	234 6	3	7	370 N	
Idaho	6	1	-	-	5	10	-	-	N	
Wyo. Colo.	- 12	37	- 3	- 1	2 43	2 49	- 3	- 3	42	
N. Mex. Ariz.	35 118	21 112	- 18	- 8	6 90	22 115	-	-	- 4	
Utah	5	3	-	-	21	17	-	2	324	
Nev.	8	8	-	-	22	13	-	2	-	
PACIFIC Wash.	826 47	631 32	24	38 1	1,265 146	1,540 150	60 2	44 4	-	
Oreg. Calif.	27 751	10 582	- 24	- 36	71 980	65 1,203	3 55	2 37	-	
Alaska	-	-	-	-	34	32	-	-	-	
Hawaii	1	7	-	1	34	90	-	1	-	
Guam P.R.	- 118	6 152	- 1	20	- 33	41 67	-	-	274	
V.I. Amer. Samoa	1	1 U	-	 U	- U	U	- U	-	 U	
C.N.M.I.	U -	U	U -	U	-	U	-	U U	-	

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending August 9, 2003, and August 10, 2002 (32nd Week)*

TABLE III. Deaths in 122 U.S. cities,* week ending August 9, 2003 (32nd Week)

New Function ass 7.7 ass ass ast Attuntific 1.2.9 7.00 3.7 ass ast Brindgenot, Mass. 136 6.2 2.5 6 6 6.9 9.9 2.7 1.0 3.7 ast ast 6.7 1.0 1.1 4.7 2.7 3.6 - 2.1 1.0 1.0 1.1 4.7 2.7 3.6 6 6.5 2.0 2.7 7.3 6 6 1.0 </th <th></th> <th colspan="6">In 122 U.S. cities,* week ending August 9, 2003 (32nd All causes, by age (years)</th> <th></th> <th>Week)</th> <th colspan="7">All causes, by age (years)</th>		In 122 U.S. cities,* week ending August 9, 2003 (32nd All causes, by age (years)							Week)	All causes, by age (years)						
Beaton, Mass. 130 82 35 8 6 5 9 Attimus, Ga. 122 114 47 24 5 2 6 4 13 Cambridge, Mass. 17 15 2 - - 2 Cambridge, Mass. 17 15 2 - - 2 Cambridge, Mass. 17 15 2 - - 2 Cambridge, Mass. 18 15 5 1 - - 4 Norrolk, Mass. 18 10 3 - 2 - 3 3 2 1 3 2 2 3 4 4 Number Born, Corn. 10 U U U U U U Tamps, Fla. 172 128 25 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Reporting Area		<u>≥</u> 65	45-64	25-44	1-24	<1		Reporting Area		<u>></u> 65	45-64	25-44	1-24	<1	P&I [†] Total
Bridgeord, Com, 12 7 3 2 1 Bailmore, Md. 208 115 55 25 6 4 13 Granting, Mas. 17 15 2 2 1 Bailmore, Md. 208 115 55 25 6 7 3 Granting, Mas. 17 15 2 1 Bailmore, N.C., 17 15 5 1 4 Hartoot, Com, 19 10 0 0 0 0 - 1 1 Chanton, M.C., 18 3 3 0 3 1 1 Strengend, Mas. 21 15 5 1 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NEW ENGLAND		278	86	16	9	9	39	S. ATLANTIC	-	780	272	120	37	29	62
Cambrings, Mass. 17 16 2 2 Charlotte, N.C. 84 65 20 2 2 7 7 - 6 6 4 5 - 4 5 5 4 6 5 5 4 6 5 5 4 6 5 3 0 5 5 4 7 6 5 2 7 7 5 6 5 4 7 6 5 2 7 7 5 6 5 4 7 6 2 2 7 7 10 6 6 1 4 7 7 4 11 4 7 5 4 11 4 7 7 4 11 4 7 7 4 11 4 7 7 4 11 4 7 7 4 11 7 7 7 7	Boston, Mass.				8	6										
Fail River, Mass. 29 24 3 2 - - 6 Jacksorville, Fila, 133 85 29 14 2 3 9 Lowell, Mass. 21 10 3 1 - - 4 Notivit, Na, 49 32 6 3 2 2 1 New Headrof, Mass. 32 25 7 - </td <td>Bridgeport, Conn.</td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td>	Bridgeport, Conn.				-	-										
Hartloot, Corvin. U					-	-										
Lovel, Mass. 21 15 5 1 4 Jern, Mass. 13 9 3 - 2 4 Nordicit, Mass. 22 25 7 5 New Bedringt, Mass. 43 9 3 - 2 4 New Bedringt, Mass. 43 9 3 - 2 5 Somervike, Mass. 6 5 1 4 Wienkington, D.C. 172 28 5 2 8 8 2 - 4 Somervike, Mass. 6 5 1 4 Wienkington, D.C. 172 28 5 2 8 8 2 - 4 Wienkington, D.C. 170 10 8 13 3 2 - 2 - 4 Wienkington, D.C. 170 10 8 13 3 2 - 2 - 4 Wienkington, D.C. 170 10 8 13 3 2 - 2 - 4 Wienkington, D.C. 170 10 8 13 3 2 - 2 - 4 Wienkington, D.C. 170 10 8 13 3 2 - 2 - 4 Wienkington, D.C. 170 10 8 13 3 2 - 2 - 4 Wienkington, D.C. 170 10 8 13 3 2 - 2 - 4 Wienkington, D.C. 170 10 8 13 3 2 - 2 - 4 Wienkington, D.C. 170 10 8 13 3 - 2 - 4 Wienkington, D.C. 170 10 8 13 3 - 2 - 4 Wienkington, D.C. 170 10 8 13 3 - 2 - 4 Himitophar, Ala. 18 1 4 - 1 1 - 1 8 Mortalik, Mas. 18 1 4 2 - 1 1 - 1 8 Mortalik, Mas. 18 1 4 2 - 1 1 - 1 8 Mortalik, Mas. 18 1 4 2 - 1 1 - 1 8 Mortalik, Mas. 19 6 13 - 2 - 1 - 1 Burlain, N.Y. 87 7 33 18 5 - 1 1 - 1 8 Mortalik, Mas. 19 7 14 11 4 - 2 1 1 8 Elizabeth, N.J. 21 18 1 2 - 1 - 1 8 Nortalik, Tak. 27 77 12 10 1 - 6 Steng, P.a. 17 77 73 2 8 6 4 6 1 New York CY, N.Y. 99 664 208 80 18 17 4 Parterson, N.J. U U U U U U U U U U U C Compute New York CY, N.Y. 99 664 208 80 18 17 4 Parterson, N.J. U U U U U U U U U U U U U U U U U U																
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Providence, R.I. U	New Bedford, Mass.				-		-									
Somerule, Mass. 6 5 1 - - - 2 Washington, D.C. 100 62 28 8 2 - 3 Waterbury, Conn. 39 28 9 2 - - 5 E.S. CENTRAL 824 50 197 59 28 20 48 Waterbury, Conn. 39 24 11 1 - 6 Birmingham, Ala. 148 94 410 6 6 4 7 - 4 Mana Mark, N. 40 13 3 - 1 5 Knowlie, Tonn. 168 11 1 - 2 3 1 - 6 Baingon, Ko. 64 140 16 17 4 14 16 1 1 - 3 3 2 7 1 1 16 16 17 4 17 Maxin Ton. 10 10 1 1 10 10	New Haven, Conn.									43	32	5	2			
Springfield, Mass. 34 23 7 2 2 - 3 Winningfon, Del. 18 3 3 2 - - 4 Warebury, Comman, Mass. 59 45 11 1 - 2 6 E. CENTRAL, 1824 520 14 4 4 1 6 4 7 5 5 E. SCHTRAL, 1824 520 44 4 4 1 6 4 7 1 - 4 4 1 6 4 7 1 - 4 4 1 6 7 7 1 6 4 7 1 6 4 4 1 6 6 4 7 1 6 6 6 1 1 1 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Providence, R.I.				U	U	U								4	
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MID ATLANTIC 1,863 1,332 412 138 34 113 Charancoga. Finan. 188 94 34 10 6 4 4 10 6 4 4 10 6 6 11 7 1																
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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

¹ Total includes unknown ages.

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