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# Lyme Disease — United States, 1999

Lyme disease (LD) is caused by the tickborne spirochete *Borrelia burgdorferi* sensu lato and is the most common vectorborne disease in the United States. Surveillance for LD was initiated by CDC in 1982, and the Council of State and Territorial Epidemiologists designated it a nationally notifiable disease in January 1991. This report summarizes the number of LD cases reported to CDC during 1999. Although the number of cases decreased from 1998, the number of cases in 1999 was higher than the number reported during the early 1990s. LD can be prevented by avoiding tick-infested habitats, by using personal protective measures, by vaccination, by checking for and removing ticks attached to the body and clothes, and by reducing tick populations.

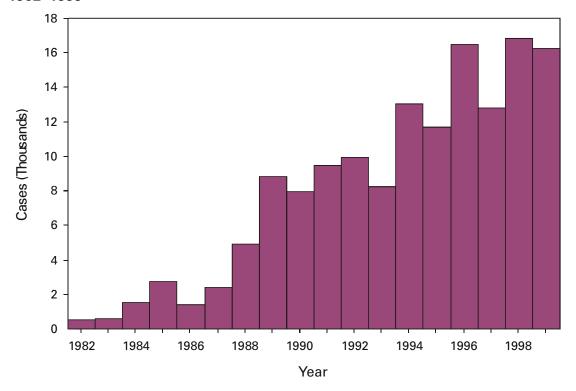
For surveillance purposes, LD is defined as the presence of an erythema migrans rash  $\geq 5$  cm ( $\geq 2$  inches) in diameter or at least one late manifestation of musculoskeletal, neurologic, or cardiovascular disease with laboratory confirmation of *B. burgdorferi* infection (1). Incidence rates for states and the District of Columbia (DC) were calculated using U.S. Census Bureau 1999 population estimates; county rates were based on 1995 population estimates.

During 1990–1996, the number of reported LD cases was 7943, 9470, 9908, 8257, 13,043, 11,700, and 16,455, respectively. In 1999, 16,273 LD cases were reported (overall incidence: 6.0 per 100,000 population), a 3% decrease from 16,801 cases reported in 1998 and a 21% increase from 12,801 cases reported in 1997 (Figure 1). Most cases were reported in northeastern, mid-Atlantic, and north central states (Table 1). Nine states reported LD incidences higher than the national rate (i.e., Connecticut, 98.0; Rhode Island, 55.1; New York, 24.2; Pennsylvania, 23.2; Delaware, 22.2; New Jersey, 21.1; Maryland, 17.4; Massachusetts, 12.7; and Wisconsin, 9.3). These states accounted for 92.0% of the nationally reported cases. Alaska, Georgia, Hawaii, Montana, and South Dakota reported no cases during 1999. From 1998 to 1999, 22 states had increases in the number of cases, 24 states and DC had decreases, and four states had no change.

County of residence was available for 16,214 (99.6%) LD patients. Among the 3143 U.S. counties, 713 (22.7%) had at least one case during 1999; 90% of the cases were from 109 (15.3%) reporting counties (Figure 2). Incidence exceeded 100 cases per 100,000 population in 24 counties in Connecticut, Maryland, Massachusetts, Minnesota, New Jersey, New York, Pennsylvania, Rhode Island, and Wisconsin; the highest county-specific incidence (950.7) occurred in Nantucket County, Massachusetts.

Among the 16,145 (99.2%) patients for whom age was reported, 4061 (25.0%) were aged <15 years; 2005 (12.3%) were 15–29 years, 3528 (21.7%) were 30–44 years, 3694 (22.7%) were 45–59 years, 2051 (12.6%) were 60–74 years, and 806 (5.0%) were  $\geq$ 75

FIGURE 1. Number of reported cases of Lyme disease, by year — United States, 1982–1999



years. Among the 16,226 patients for whom sex was reported, 8511 (52.5%) were male. Of patients <15 years, 2338 (57.8%) were male; of patients 15–29 years, 1139 (56.9%) were male; of patients ≥75 years, 360 (44.6%) were male. Among 12,479 (76.7%) patients for whom month of illness onset was reported, 7161 (57.4%) had illness onset during June (28.5%) and July (28.9%); <5.8% reported illness onset during January, February, and December 1999.

Reported by: State health depts. Bacterial Zoonoses Br, Div of Vector-borne Infectious Diseases, National Center for Infectious Diseases, CDC.

**Editorial Note**: From 1991 to 1999, the incidence of LD increased 1.7-fold. The geographic distribution expanded early in the epidemic, then stabilized (2). Most cases continue to occur in northeastern, mid-Atlantic, and north central states. The large proportion of patients aged <15 years and 45–59 years may be the result of greater exposure than other groups to infected ticks, to less use of personal protective measures, to differential use of health-care services, or to reporting bias. The large number of reported LD cases during June and July reflects the seasonal peak of host-seeking activities of infective nymphal-stage vector ticks in areas where LD is endemic (3).

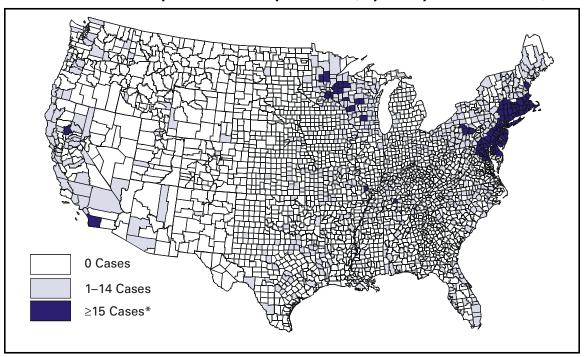
The findings in this report are subject to at least three limitations. First, distribution of reported cases could be distorted by reporting bias. Second, LD is underreported in areas where it is endemic and may be overreported where it is not endemic. Third, the LD case definition is limited in sensitivity and specificity, not all LD cases present with typical manifestations and other conditions may be confused with LD, and laboratory testing may be inaccurate.

TABLE 1. Number of reported cases of Lyme disease, by state, 1990–1999, and nationwide incidence\*, 1999 — United States

Ctoto	1990	1991	1992	1993	1994	l 1995	1996	1997	1998	1999	Total	1999
State											Total	Incidence
Alabama Alaska	33 0	13 0	10 0	4 0	6 0	12 0	9	11 2	24 1	20 0	142 3	0.5 0.0
Arizona	0	1	0	0	0	1	0	4	1	3	3 10	0.0
Arkansas	22	31	20		15	11	27	27	8	3 7	176	0.1
California	345	265	231	8 134	68	84	64	154	135	139	1,619	0.3
Colorado	345 0		231	0		04	04	154	0	3	1,019	0.4
	704	1 102	1,760		1 2,030			2,297				98.0
Connecticut	704 54	1,192 73	219	1,350 143	106	1,548 56	3,104 173	109	3,434 77	3,215 167	20,634	
Delaware District	54	/3	219	143	106	50	1/3	109	//	107	1,177	22.2
of Columbia		-	3	2	9	2	3	10	8	6	E4	1.2
Florida	5 7	5 35	3 24	30	28	3 17	55	56	71	6 59	54 382	0.4
	161	35 25	48	30 44	26 127	17	1	9	5		302 434	0.4
Georgia Hawaii	2	25 0	40 2	1	0	0	1	0	0	0	<b>434</b>	0.0
ldaho	1	2	2			0			7			0.0
		∠ 51	41	2	3		2	4	14	3	26	
Illinois Indiana	30			19	24	18	10	13		17	237	0.1
	15	16	22	32	19	19	32	33	39	21	248	0.4
lowa	16	22	33	8	17	16	19	8	27	24	190	0.8
Kansas	14	22	18	54	17	23	36	4	13	16	217	0.6
Kentucky	18	44	28	16	24	16	26	20	27	19	238	0.5
Louisiana	3	6	7	3	4	9	9	13	15	9	78	0.2
Maine	9	15	16	18	33	45	63	34	78	41	352	3.3
Maryland	238	282	183	180	341	454	447	494	659	899	4,177	17.4
Massachusett		265	223	148	247	189	321	291	699	787	3,287	12.7
Michigan	134	46	35	23	33	5	28	27	17	11	359	0.1
Minnesota	70	84	197	141	208	208	251	256	261	283	1,959	5.9
Mississippi	7	8	0	0	0	17	24	27	17	4	104	0.1
Missouri	205	207	150	108	102	53	52	28	12	72	989	1.3
Montana	0	0	0	0	0	0	0	0	0	0	0	0.0
Nebraska	0	25	22	6	3	6	5	2	4	11	84	0.7
Nevada	2	5	1	5	1	6	2	2	6	2	32	0.1
New Hampshi		38	44	15	30	28	47	39	45	27	317	2.2
New Jersey	1,074	915	688	786	1,533	1,703	2,190	2,041	1,911	1,719	14,560	21.1
New Mexico	0	3	2	2	5	1	1	1	4	1	20	0.1
New York	3,244	3,944	3,448	2,818	5,200	4,438	5,301	3,327	4,640	4,402	40,762	24.2
North Carolina		73	67	86	77	84	66	34	63	74	711	1.0
North Dakota	3	2	1	2	0	0	2	0	0	1	11	0.2
Ohio	36	112	32	30	45	30	32	40	47	47	451	0.4
Oklahoma	13	29	27	19	99	63	42	45	13	8	358	0.2
Oregon	11	5	13	8	6	20	19	20	21	15	138	0.5
Pennsylvania	553	718	1,173	1,085	1,438	1,562	2,814	2,188	2,760	2,781	17,072	23.2
Rhode Island	101	142	275	272	471	345	534	442	789	546	3,917	55.1
South Carolina		10	2	9	7	17	9	3	8	6	78	0.2
South Dakota	2	1	1	0	0	0	0	1	0	0	5	0.0
Tennessee	28	35	31	20	13	28	24	45	47	59	330	1.1
Texas	44	57	113	48	56	77	97	60	32	72	656	0.4
Utah	1	2	6	2	3	1	1	1	0	2	19	0.1
Vermont	11	7	9	12	16	9	26	8	11	26	135	4.4
Virginia	129	151	123	95	131	55	57	67	73	122	1,003	1.8
Washington	30	7	14	9	4	10	18	11	7	14	124	0.2
West Virginia		43	14	50	29	26	12	10	13	20	228	1.1
Wisconsin	337	424	525	401	409	369	396	480	657	490	4,488	9.3
Wyoming	5	11	5	9	5	4	3	3	1	3	49	0.6
Total	7,943	9,470	9,908	8,257	13,043	11,700	16,455	12,801	16,801	16,273	122,651	6.0

<sup>\*</sup>Per 100,000 population.

FIGURE 2. Number of reported cases of Lyme disease, by county — United States, 1999



<sup>\*</sup>Total number of cases from these counties represented 90% of all cases reported in 1999.

LD can be prevented by avoiding tick-infested areas, using repellents, and promptly removing ticks that become attached to clothing or the body. A vaccine for persons aged 15–70 years, approved by the Food and Drug Administration in 1998, is 76% effective in preventing LD after three doses (4). New methods of reducing tick vectors are being developed (e.g., baited devices that passively apply acaricides to deer and rodents) (5; CDC, unpublished data, 2001). In addition, early diagnosis and treatment of LD can reduce morbidity. Updated guidelines for LD treatment were published in 2000 (6,7).

CDC supports collaborative efforts with health departments and academic and non-profit organizations to prevent LD. During 2001, community-based projects are being initiated with the goal of reducing incidence to 9.7 per 100,000 population by 2010 in states where LD is endemic (8). Additional information about LD is available at http://www.cdc.gov/ncidod/dvbid/lymeinfo.htm.

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# Knowledge and Use of Folic Acid Among Women of Reproductive Age — Michigan, 1998

Neural tube defects (NTDs), which include spina bifida and anencephaly, are serious malformations that occur in the developing fetus during the first 17–30 days after conception (1). Consumption of supplements containing folic acid can reduce NTDs 50%–70% (2,3). In the United States, approximately 4000 pregnancies are affected by NTDs each year, including approximately 140 infants in Michigan. In 1992, the U.S. Public Health Service recommended that all women of childbearing age consume at least 400  $\mu g$  of folic acid daily (4). In 1998, the Institute of Medicine reaffirmed that recommendation and added that women capable of becoming pregnant take 400  $\mu g$  of synthetic folic acid daily from fortified foods and/or supplements and consume a balanced, healthy diet of folaterich foods (5). This report summarizes findings from the 1998 Behavioral Risk Factor Surveillance System (BRFSS) about multivitamin use and folic acid knowledge among women of reproductive age in Michigan. The findings suggest that public health campaigns that promote the consumption of folic acid should target women who are young, unmarried, obese, smoke, eat few fruits and vegetables, and have a low level of education.

BRFSS is an ongoing, state-based, random-digit–dialed telephone survey of the U.S. civilian, noninstitutionalized population aged ≥18 years (6). In 1998, 2613 persons were interviewed in Michigan. Analysis was restricted to 739 women of reproductive age (aged 18–44 years).

Multivitamin use was defined as taking a folic acid-containing multivitamin or a folic acid supplement at least once a day. Knowledge of folic acid use was defined as having answered that the reason health experts recommend that women take folic acid was to prevent birth defects. Univariable and multivariable logistic regression models were used to determine risk factors for multivitamin use and knowledge of folic acid. SUDAAN was used to account for the complex study design (6). Age, race, education, marital status, fruit and vegetable consumption, smoking, and weight status (overweight: body mass index [BMI] ≥25.0 kg/(height²)[in meters] <30.0 or obese: BMI ≥30.0 kg/[(height²]) were identified as variables of interest and included in the multivariable analysis.

Overall, 42.4% of women reported taking a multivitamin or folic acid supplement daily. Multivitamin use increased with age, from 33.1% for women aged 18–24 years to 48.1% for women aged 40–44 years. The prevalence of women who used a multivitamin was highest among those who were consumers of five or more fruits and vegetables a day (54.9%), college educated (49.9%), aged 35–39 years (49.6%), former smokers (47.4%), married (46.0%), not overweight (44.5%), and white (44.2%) (Table 1). After multivariable analysis, the following groups were statistically significantly less likely than their respective comparison group to use a multivitamin daily: women aged 18–24 years, women who had a low level of education, women who ate less than five fruits and vegetables a day, and obese women.

Overall, 30.0% of women had knowledge of folic acid use, defined as responding that the prevention of birth defects is the reason to take folic acid. The prevalence of women

TABLE 1. Prevalence of daily multivitamin or folic acid supplement use and adjusted odds ratios (AOR) among women aged 18–44 years, by selected characteristics — Behavioral Risk Factor Surveillance System, Michigan, 1998

Characteristic	No.*	(%)	AOR	(95% CI <sup>†</sup> )
Age group (yrs)				
18–24	149	(33.1)	0.5	(0.3-0.9)
25–29	115	(38.5)	0.7	(0.4-1.2)
30–34	134	(42.9)	0.7	(0.4–1.3)
35–39	172	(49.6)	1.1	(0.7-1.8)
40–44	149	(48.1)	1.0	Ref
Race				
Black	99	(37.2)	1.1	(0.6-1.8)
Other	29	(25.9)	0.5	(0.2-1.2)
White	588	(44.2)	1.0	Ref
Education				
<high school<="" td=""><td>47</td><td>(27.7)</td><td>0.4</td><td>(0.2-0.9)</td></high>	47	(27.7)	0.4	(0.2-0.9)
High school	225	(43.1)	0.8	(0.5–1.2)
Some college	252	(39.1)	0.7	(0.4–1.0)
College graduate	195	(49.9)	1.0	Ref
Marital status				
Unmarried	357	(38.1)	1.0	(0.7–1.5)
Married	361	(46.0)	1.0	Ref
Fruit and vegetable				
consumption				
<five a="" day<="" td=""><td>537</td><td>(38.4)</td><td>0.6</td><td>(0.4-0.9)</td></five>	537	(38.4)	0.6	(0.4-0.9)
≥Five a day	182	(54.9)	1.0	Ref
Smoking				
Current smoker	235	(42.3)	1.2	(0.7-2.0)
Never smoked	371	(40.9)	0.8	(0.5-1.4)
Former smoker	112	(47.4)	1.0	Ref
Weight status				
Obese	127	(35.1)	0.6	(0.4-0.9)
Overweight	164	(42.5)	0.9	(0.6–1.4)
Not overweight	371	(44.5)	1.0	Ref

<sup>\*</sup> Unweighted sample size.

with folic acid knowledge was highest among women who were college graduates (42.2%), aged 25–29 years (39.8%), former smokers (37.0%), married (35.8%), ate five or more fruits and vegetables a day (34.9%), not overweight (31.9%), and white (31.5%) (Table 2). Multivariable analysis indicated that women who were high school graduates, current smokers, and unmarried were statistically significantly less likely than their respective comparison group to have correct knowledge of folic acid use. Women aged 18–29 were statistically significantly more likely than their respective comparison group to have correct knowledge.

Reported by: M Reeves, A Rafferty, Bur of Epidemiology; JC Simmeron, J Bach, Michigan Birth Defects Registry, Michigan Dept of Community Health. State Br, Div of Applied Public Health Training, Epidemiology Program Office; Maternal and Child Health Br, Div of Reproductive

<sup>&</sup>lt;sup>†</sup> Confidence interval.

TABLE 2. Prevalence of folic acid knowledge and adjusted odds ratios (AOR) among women aged 18–44 years, by selected characteristics — Behavioral Risk Factor Surveillance System, Michigan, 1998

Characteristic	No.*	(%)	AOR	(95% CI <sup>†</sup> )
Age group (yrs)				
18–24	156	(27.4)	2.0	(1.0-3.9)
25–29	114	(39.8)	2.7	(1.4-5.2)
30-34	136	(31.1)	1.6	(0.8-2.9)
35–39	177	(29.9)	1.4	(0.8-2.6)
40–44	152	(24.2)	1.0	Ref
Race				
Black	101	(23.1)	0.8	(0.4–1.5)
Other	30	(26.2)	0.5	(0.2-1.3)
White	601	(31.5)	1.0	Ref
Education				
<high school<="" td=""><td>47</td><td>(23.6)</td><td>0.6</td><td>(0.2-1.5)</td></high>	47	(23.6)	0.6	(0.2-1.5)
High school	231	(23.3)	0.5	(0.3-0.9)
Some college	258	(28.2)	0.7	(0.4–1.1)
College graduate	199	(42.2)	1.0	Ref
Marital status				
Unmarried	368	(23.4)	0.6	(0.4-0.9)
Married	366	(35.8)	1.0	Ref
Fruit and vegetable				
consumption				
<5 a day	549	(28.4)	0.8	(0.5–1.3)
≥5 a day	186	(34.9)	1.0	Ref
Smoking				
Current smoker	242	(21.3)	0.5	(0.3-0.9)
Never smoked	381	(33.4)	0.8	(0.4–1.3)
Former smoker	111	(37.0)	1.0	Ref
Weight status				
Obese	132	(25.0)	0.8	(0.5–1.4)
Overweight	166	(31.5)	0.9	(0.6–1.5)
Not overweight	378	(31.9)	1.0	Ref

<sup>\*</sup> Unweighted sample size.

Health, National Center for Chronic Disease Prevention and Health Promotion; and an EIS Officer, CDC.

Editorial Note: The findings in this report indicate that younger women, women with low education, women with low fruit and vegetable consumption, and obese women were associated with lower levels of reported multivitamin use. Being unmarried or a current smoker was associated with low folic acid knowledge, and having less education (an indicator of low socioeconomic status) was associated with both low levels of multivitamin use and low folic acid knowledge. Eating few fruits and vegetables and smoking also are correlated with socioeconomic status. Therefore, socioeconomic status is a marker for low folic acid knowledge and low multivitamin use in Michigan, as has been shown in previous studies (7). Because low education level was associated with low folic acid

<sup>&</sup>lt;sup>†</sup> Confidence interval.

knowledge, a continued educational effort from medical and nutritional professionals is needed to increase knowledge and support behavior change (8).

The findings in this report are subject to at least four limitations. First, because BRFSS excludes persons aged <18 years, folic acid knowledge and prevalence estimates do not represent the entire reproductive-aged population. Second, BRFSS excludes persons without telephones; therefore, data may underestimate the number of women of reproductive age from low socioeconomic groups. Third, the data are self-reported and the validity of the data is unknown. Finally, because the overall sample size is relatively small, some estimates are unreliable, as indicated by the wide confidence intervals.

Through a 3-year cooperative agreement with CDC, the Michigan Department of Community Health (MDCH) Division for Vital Records and Health Statistics and the Hereditary Disorders Program seek opportunities to increase awareness of NTD prevention through conferences, presentations, and the distribution of folic acid literature to public and professional audiences. The School Health Unit at MDCH also identifies opportunities for folic acid education in curricula developed for the Michigan Model for Comprehensive School Health Education, which reaches approximately 950,000 Michigan students and their families.

Other organizations, such as the March of Dimes and the Association of Women's Health, Obstetric and Neonatal Nurses are implementing folic acid campaigns and educational programs to help prevent NTDs in Michigan. The March of Dimes Greater Michigan Chapter has partnered with grocery stores in the Grand Rapids area to print folic acid messages on store grocery bags, and the Southeast Michigan Chapter has disseminated folic acid messages through public service announcements and partnerships with faith based organizations, corporations, representatives from the Arab and Hispanic communities, and professional medical groups.

The public health community should continue to use multiple strategies to increase folic acid intake and consumption. The current level of folic acid in fortified food (140  $\mu$ g per 100 g cereal grain product) is intended to increase a woman's intake by approximately 100  $\mu$ g per day (9). Although the current levels of fortification may not be sufficient to provide the necessary dietary intake of folic acid for many women who become pregnant, fortification has had a substantial effect on increasing folate levels (10). Because approximately 50% of pregnancies are unplanned, all women of childbearing age should be encouraged to consume 400  $\mu$ g of folic acid from fortified foods and/or supplements and to consume a balanced, healthy diet of folate-rich foods.

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# Notice to Readers

# Update on the Supply of Tetanus and Diphtheria Toxoids and of Diphtheria and Tetanus Toxoids and Acellular Pertussis Vaccine

During the last quarter of 2000, the U.S. Public Health Service learned of a shortage of tetanus and diphtheria toxoids (Td) and tetanus toxoid (TT) resulting from decreased production of these vaccines by the two U.S. manufacturers. Previously published recommendations outlined priorities for use of the limited supply of Td and TT (1). The shortage was expected to be resolved by early 2001; however, on January 10, 2001, Wyeth Lederle (Pearl River, New York)\* announced it had stopped production of tetanus toxoid-containing products. Although a small amount of Td is produced by the University of Massachusetts for local distribution, Aventis Pasteur (Swiftwater, Pennsylvania) is now the sole nationwide distributor of Td and TT. Aventis Pasteur is shipping limited quantities of vaccine to assure a wide distribution of available doses.

In accordance with previous recommendations, priority will be given to clinics and hospitals that treat acute wounds; continuing to prioritize Td and TT use will be necessary until supplies are restored (1). Clinics and hospitals in need of vaccine for wound care should call Aventis Pasteur, telephone (800) 822-2463. Aventis Pasteur is increasing the amount of Td production. However, because of the long production time required, the shortage is not expected to be resolved for 12–18 months.

In addition to Wyeth Lederle discontinuing production of its tetanus and diphtheria toxoids and acellular pertussis vaccine (DTaP; ACEL-IMUNE®), Baxter Hyland Immuno Vaccines (formerly North American Vaccine, Inc.) (Baltimore, Maryland) is not producing its DTaP vaccine (Certiva<sup>™</sup>). Aventis Pasteur and Glaxo SmithKline (Philadelphia, Pennsylvania), producers of Tripedia® and Infanrix<sup>™</sup>, respectively, are the remaining suppliers of DTaP. On March 7, 2001, the Food and Drug Administration approved a newly formulated version of Tripedia® in one-dose vials without preservative and with only a trace amount of thimerosal. Approval of this vaccine should improve the supply of DTaP.

DTaP vaccine is recommended as a five-dose series: three doses given to infants at ages 2, 4, and 6 months, followed by two booster doses at age 15–18 months and at age 4–6 years (2). Some vaccine providers may have difficulties obtaining sufficient supplies of DTaP to vaccinate all children in their practices. If providers have insufficient quantities of DTaP, priorities should be given to vaccinating infants with the initial three DTaP doses and, if necessary, to defer the fourth DTaP dose. However, children should be vaccinated with all other recommended vaccines according to the Childhood Immunization Schedule

<sup>\*</sup>Use of trade names and commercial sources is for identification only and does not imply endorsement by CDC or the U.S. Department of Health and Human Services.

Notice to Readers — Continued

(3)<sup>†</sup>. When adequate DTaP supplies are available, providers should recall for vaccination all children who did not receive the fourth dose of DTaP. If supplies are sufficient, children aged 4–6 years should be vaccinated in accordance with existing ACIP recommendations to assure immunity to pertussis, diphtheria, and tetanus during the elementary school years. CDC is evaluating the situation, and more guidance will be provided should substantial supply problems occur.

#### References

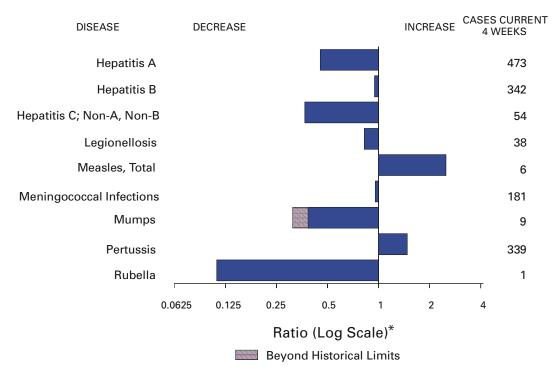
- 1. CDC. Shortage of tetanus and diphtheria toxoids. MMWR 2000;49:1029-30.
- 2. Advisory Committee on Immunization Practices. Pertussis vaccination: use of acellular pertussis vaccine among infants and young children—recommendations of the Advisory Committee on Immunization Practices. MMWR 1997;46(no. RR-7).
- 3. CDC. Recommended childhood immunization schedule—United States, 2001. MMWR 2001;50:7–10,19.

#### Erratum: Vol. 50, No. 6

In the Notice to Readers "Risk for Meningococcal Disease Associated With the Hajj 2001," the information telephone number should be (877) 463-3287 ([877] INFECTS).

<sup>&</sup>lt;sup>†</sup> Children traveling to a country where the risk for diphtheria is high should be vaccinated according to the Childhood Immunization Schedule. Travelers may be at substantial risk for exposure to toxigenic strains of *Corynebacterium diphtheriae*, especially with prolonged travel, extensive contact with children, or exposure to poor hygiene. High-risk countries include the following: Africa—Algeria, Egypt, and sub-Saharan Africa; Americas—Brazil, Dominican Republic, Ecuador, and Haiti; Asia/Oceania—Afghanistan, Bangladesh, Cambodia, China, India, Indonesia, Iran, Iraq, Laos, Mongolia, Myanmar, Nepal, Pakistan, Philippines, Syria, Thailand, Turkey, Vietnam, and Yemen; and Europe—Albania and all countries of the former Soviet Union.

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals ending March 10, 2001, 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.

TABLE I. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending March 10, 2001 (10th Week)

		Cum. 2001		Cum. 2001
Anthrax		_	Poliomyelitis, paralytic	_
Brucellosis*		9	Psittacosis*	2
Cholera		_	Q fever*	1 1
Cyclosporiasis	<b>3</b> *	6	Rabies, human	-
Diphtheria		-	Rocky Mountain spotted fever (RMSF)	10
Ehrlichiosis:	human granulocytic (HGE)*	3	Rubella, congenital syndrome	-
	human monocytic (HME)*	2	Streptococcal disease, invasive, group A	511
Encephalitis:	California serogroup viral*	-	Streptococcal toxic-shock syndrome*	15
· ·	eastern equine*	-	Syphilis, congenital <sup>¶</sup>	1
	St. Louis*	-	Tetanus	1
	western equine*	-	Toxic-shock syndrome	25
Hansen diseas	se (leprosy)*	6	Trichinosis	2
Hantavirus pu	Ilmonary syndrome*†	2	Tularemia*	3
Hemolytic ure	mic syndrome, postdiarrheal*	11	Typhoid fever	27
HIV infection,	HIV infection, pediatric*§		Yellow fever	-
Plague	•	-		

<sup>-:</sup> No reported cases.

\*Not notifiable in all states.

\*Updated weekly from reports to the Division of Viral and Rickettsial Diseases, National Center for Infectious Diseases (NCID).

\*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 February 27, 2001.

Updated from reports to the Division of STD Prevention, NCHSTP.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending March 10, 2001, and March 11, 2000 (10th Week)

		20	01.1				Escherichia coli O157:H7* NETSS PHLIS					
	Cum.	Cum.	Chlam Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.		
Reporting Area UNITED STATES	<b>2001</b> § 5,820	<b>2000</b> 6,226	2001 105,385	<b>2000</b> 125,233	<b>2001</b> 190	<b>2000</b> 229	<b>2001</b> 146	<b>2000</b> 261	<b>2001</b> 86	<b>2000</b> 197		
NEW ENGLAND Maine N.H. Vt. Mass. R.I. Conn.	200 3 12 9 118 24 34	500 6 6 - 360 17 111	3,709 159 186 109 1,542 574 1,139	4,406 257 208 109 1,879 438 1,515	7 - 3 1 1 2	15 1 - 5 5 1	18 1 4 1 12	22 2 4 1 8	11 - 2 - 7 - 2	25 2 4 2 6		
MID. ATLANTIC Upstate N.Y. N.Y. City N.J. Pa.	1,180 29 740 241 170	1,591 65 985 387 154	6,749 N 4,232 733 1,784	11,251 N 4,638 2,515 4,098	14 8 6 -	19 12 4 - 3	10 10 - N	26 24 1 1 N	7 6 1 -	39 32 - 2 5		
E.N. CENTRAL Ohio Ind. III. Mich. Wis.	463 77 45 226 97 18	591 91 56 354 67 23	13,106 231 2,368 3,480 5,398 1,629	22,200 5,994 2,403 6,297 4,191 3,315	54 23 10 - 21	52 12 3 6 5 26	28 13 6 4 2 3	47 8 2 19 8 10	17 10 1 4 - 2	11 3 3 - 2 3		
W.N. CENTRAL Minn. Iowa Mo. N. Dak. S. Dak. Nebr. Kans.	110 29 15 38 1 - 9	147 31 10 67 - 2 7 30	5,115 1,100 514 1,439 171 347 583 961	7,186 1,574 657 2,580 199 366 654 1,156	6 - 3 - - - 3	10 3 1 1 1 2	15 3 2 7 - 1 - 2	45 6 10 20 2 - 3 4	14 8 - 3 - 1 - 2	42 18 4 11 2 - 4 3		
S. ATLANTIC Del. Md. D.C. Va. W. Va. N.C. S.C. Ga. Fla.	1,673 37 131 166 137 12 101 171 187 731	1,508 25 154 113 113 7 74 153 180 689	22,642 577 2,385 527 3,302 418 3,777 1,948 4,209 5,499	24,148 546 2,221 522 3,042 411 3,672 3,317 4,737 5,680	41 - 5 3 3 - 8 - 11 11	34 - 3 - - - 3 3 - 20 8	22 - - 3 1 13 1 1 3	23 - 5 - 5 2 6 - 2 3	6 - U 3 - 1 -	17 - 1 U 5 1 2 - 3		
E.S. CENTRAL Ky. Tenn. Ala. Miss.	360 51 132 95 82	279 37 104 91 47	8,220 1,619 2,553 2,160 1,888	9,019 1,530 2,653 2,800 2,036	3 - - 2 1	7 - - 6 1	6 - 3 3	12 4 4 1 3	3 2 1 -	12 3 8 - 1		
W.S. CENTRAL Ark. La. Okla. Tex.	629 45 188 36 360	532 20 91 17 404	18,403 1,711 3,373 1,898 11,421	18,853 896 3,585 1,692 12,680	4 2 1 1	13 1 1 1 10	10 - - 2 8	14 4 - 3 7	8 - 5 2 1	18 3 7 3 5		
MOUNTAIN Mont. Idaho Wyo. Colo. N. Mex. Ariz. Utah Nev.	241 5 5 - 40 15 93 23 60	210 3 3 1 52 25 55 58 43	5,544 278 390 139 525 1,027 2,324 67 794	7,247 217 380 152 1,989 915 2,409 432 753	18 - 2 - 10 3 1 2	14 1 1 3 1 2 5	13 - 2 - 7 - 4 -	28 8 3 2 10 - 3 1 1	7 - - 4 - 2 1	9 - 2 3 - 3 1		
PACIFIC Wash. Oreg. Calif. Alaska Hawaii	964 117 38 798 2 9	868 101 22 721 - 24	21,897 2,503 943 17,622 350 479	20,923 2,483 900 16,461 409 670	43 N 8 35	65 U 1 64 -	24 3 3 18 -	44 5 6 29 - 4	13 5 1 5 - 2	24 7 6 8 - 3		
Guam P.R. V.I. Amer. Samoa C.N.M.I.	5 158 1 - -	7 150 5 - -	758 U U U	U U U	- U U U	- U U U	N U U U	N 1 U U U	U U U U U	U U U U		

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

\*Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

† Chlamydia refers to genital infections caused by *C. trachomatis*. Totals reported to the Division of STD Prevention, NCHSTP.

§ Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update February 27, 2001.

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending March 10, 2001, and March 11, 2000 (10th Week)

	Gono	rrhea	Hepati Non-A,	tis C;	Legione		Listeriosis	Lyı Dise	
Reporting Area	Cum. 2001	Cum. 2000	Cum. 2001	Cum. 2000	Cum. 2001	Cum. 2000	Cum. 2001	Cum. 2001	Cum. 2000
UNITED STATES	50,050	65,811	291	656	102	127	57	377	785
NEW ENGLAND Maine N.H.	1,027 20 22	1,281 14 18	2 -	5 - -	1 - -	10 2 1	6 - -	105 - 42	118 - 15
Vt. Mass.	15 462	8 521	2	2	1	- 6	- 4	1 14	24
R.I. Conn.	149 359	104 616	-	-	-	- 1	2	48	79
MID. ATLANTIC Upstate N.Y. N.Y. City	4,334 1,211 1,898	6,414 1,009 2,006	15 11 -	119 10	6 5	21 9	5 3	178 151	543 168 17
N.J. Pa.	448 777	1,396 2,003	4	102 7	- 1	12	2	- 27	78 280
E.N. CENTRAL Ohio	6,454 183	13,477 3,414	40 4	61 -	35 17	40 17	8 2	10 10	19 2
Ind. III.	1,042 1,640	1,112 4,380	-	- 7	4	4 4	-	-	1 1
Mich. Wis.	3,019 570	3,138 1,433	36	54 -	10 4	8 7	5 1	- U	- 15
W.N. CENTRAL Minn.	2,245 358	2,987 589	41	88	9 1	4 1	2	6 4	11 4
Iowa Mo. N. Dak. S. Dak.	177 1,013 6 40	155 1,496 9 54	38 - -	- 85 - -	2 3 - -	1 2 -	- 1 -	2	3
Nebr. Kans.	211 440	211 473	2	1 2	2 1	- -	- - 1	- -	- - 4
S. ATLANTIC Del.	14,443 314	18,844 288	15 -	16 1	19	25 2	8	63	77 11
Md. D.C.	1,507 540	1,464 434	5 -	2	7 1	7 -	1 -	57 2	55 -
Va. W. Va.	1,865 84	1,924 112	-	- 1	2 N	3 N	1 1	2	3 4
N.C. S.C.	3,075 1,758	3,392 4,146	4 2	7	2	3 2	-	2	4
Ga. Fla.	2,201 3,099	3,024 4,060	4	5	1 6	- 8	2 3	-	-
E.S. CENTRAL Ky.	5,493 679	6,522 621	40 1	94 8	5 2	3 1	4 1	2 2	-
Tenn. Ala.	1,791 1,850	2,066 2,229	9	18 3	2 1	i 1	2 1	-	-
Miss.	1,173	1,606	30	65	-	-	-	-	-
W.S. CENTRAL Ark.	9,364 1,095	9,916 454	99 1	218 3	1 -	4	1 1	-	3
La. Okla.	2,354 941	2,574 769	51 -	118	1 -	2	-	-	2
Tex.	4,974	6,119	47	97	-	2	-	-	1
MOUNTAIN Mont.	1,780 14	2,039 1	15	17 -	5 -	8	5 -	-	-
Idaho Wyo.	18 13	22 13	1 3	-	-	1	-	-	-
Cólo. N. Mex.	685 175	720 174	5 5	8 4	3	4 -	1 1	-	-
Ariz. Utah	608 9	793 62	-	4	1	- 3	1 -	-	-
Nev.	258	254	1	1	1	-	2	-	-
PACIFIC Wash.	4,910 549	4,331 472	24 4	38 4	21 4	12 5	18 -	13	14 -
Oreg. Calif.	172 4,070	95 3,638	4 16	9 25	N 17	Ñ 7	2 16	2 11	1 13
Alaska Hawaii	38 81	41 85	- -		 - -	- -	-	N	N
Guam P.R.	- 218	- 90	- -	- 1	- 2	-	- -	- N	- N
V.I. Amer. Samoa	Ü	90 U U	Ü	υ U	2 U U	Ü	-	Ü	Ü
C.N.M.I.	Ü	ŭ	Ü	Ü	Ü	Ü	-	Ü	Ü

N: Not notifiable.

U: Unavailable.

-: No reported cases.

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending March 10, 2001, and March 11, 2000 (10th Week)

		1	,	<del> </del>	1	Salmonellosis*					
		laria		s, Animal		TSS		ILIS			
Reporting Area	Cum. 2001	Cum. 2000	Cum. 2001	Cum. 2000	Cum. 2001	Cum. 2000	Cum. 2001	Cum. 2000			
UNITED STATES	143	166	716	878	3,296	4,392	2,441	3,851			
NEW ENGLAND Maine	13	3	78 12	92 21	262 11	266 27	202 7	291 15			
N.H.	-	-	2	2 6	20	18	14	19			
Vt. Mass.	3	3	19 19	26	15 168	6 166	12 106	13 167			
R.I. Conn.	10	-	8 18	5 32	11 37	3 46	24 39	18 59			
MID. ATLANTIC	12	31	112	150	241	629	376	696			
Upstate N.Y. N.Y. City	5 6	10 12	89 1	118 U	107 103	102 182	64 156	177 202			
N.J. Pa.	- 1	5 4	22	18 14	- 31	200 145	55 101	119 198			
E.N. CENTRAL	22	22	4	6	485	658	445	331			
Ohio Ind.	4 7	2 1	- 1	2	174 40	162 50	126 36	117 <b>6</b> 8			
III. Mich.	<u>,</u> 11	14 5	3	-	120 100	226	144 98	1 101			
Wis.	-	-	-	4	51	95 125	41	44			
W.N. CENTRAL Minn.	3 1	10 4	52 12	71 21	198 31	197 39	188 <i>7</i> 5	247 76			
lowa	1	-	13	6	30 66	17	75 2 76	27			
Mo. N. Dak.	1 -	1 -	3	2 9	1	65 2	5	67 16			
S. Dak. Nebr.	-	2	9	19 -	18 16	10 24	9	15 19			
Kans.	-	3	7	14	36	40	21	27			
S. ATLANTIC Del.	39 1	39	312 -	321 10	850 16	708 11	479 13	637 14			
Md. D.C.	16 4	21	67 -	66	120 15	118	96 U	124 U			
Va. W. Va.	8	12	64 21	75 21	100 3	71 20	66 13	75 13			
N.C. S.C.	1 1	4	95 9	82 20	186 84	156 57	45 74	98 65			
Ga.	1	-	24	<b>2</b> 8	117	102	144	186			
Fla. E.S. CENTRAL	7 7	2 6	32 5	19 31	209 221	173 216	28 94	62 168			
Ky.	1	2	2 3	5	43 44	42 47	27 56	25 77			
Tenn. Ala.	3 3	3	-	23 3	100	78	-	57			
Miss. W.S. CENTRAL	3	1 2	- 70	- 144	34 191	49 417	11 155	9 303			
Ark.	-	-	-	-	34	36	13	22			
La. Okla.	1 1	2 -	11	8	24 16	50 33	56 15	70 35			
Tex.	1	-	59 20	136	117	298	71	176			
MOUNTAIN Mont.	12 1	11 1	29 5	30 9	269 8	381 17	189	313			
ldaho Wyo.	1 -	-	10	14	10 9	22 6	4 6	21 3			
Colo. N. Mex.	6 1	5 -	- 1	2	76 30	94 38	59 29	81 37			
Ariz. Utah	1	2 2	13	5	92 29	113	64 27	116 55			
Nev.	1	1	-	-	15	58 33		-			
PACIFIC Wash.	32 1	42 2	54 -	33	579 44	920 40	313 37	865 110			
Oreg. Calif.	5 25	5 34	32	- 26	41 488	54 769	39 177	67 641			
Alaska	1	- 1	22	7	6	12 45	60	10			
Hawaii Guam	-	-	-	-	-	40	₩ U	37 U			
P.R.	- - 11	2	24	10	36 U	64	U	Ü			
V.I. Amer. Samoa	U	U	U	U U	U	U U	U	U			
C.N.M.I.	U	U	U	U	U	U	U	U			

N: Not notifiable. U: Unavailable. -: No reported cases.

\* Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

TABLE II. (Cont'd) Provisional cases of selected notifiable diseases, United States, weeks ending March 10, 2001, and March 11, 2000 (10th Week)

weeks ending March 10, 2001, and March 11, 2000 (10th Week)  Shigellosis* Syphilis												
	NET:			PHLIS	Sy (Primary 8	philis & Secondary)	Tube	rculosis				
Reporting Area	Cum. 2001	Cum. 2000	Cum. 2001	Cum. 2000	Cum. 2001	Cum. 2000	Cum. 2001	Cum. 2000				
UNITED STATES	1,662	2,757	802	1,153	836	1,189	1,124	1,856				
NEW ENGLAND	21	61	23	48	7	17	56	51				
Maine N.H.	-	2 1	-	1	-	-	4	2 1				
Vt. Mass.	- 17	1 45	16	33	4	- 14	30	29				
R.I. Conn.	- 4	4 8	1 6	6 8	3	1 2	3 19	2 17				
MID. ATLANTIC	128	211	115	166	51	48	251	273				
Upstate N.Y. N.Y. City	80 34	67 81	2 56	38 62	3 36	1 25	29 106	21 174				
N.J. Pa.	14	42 21	14 43	28 38	7 5	10 12	71 45	69 9				
E.N. CENTRAL	274	465	168	166	114	257	151	171				
Ohio Ind.	80 53	21 49	43 7	17 10	10 26	15 85	21 14	36 14				
III.	69	179	<b>6</b> 8	2	15	87	71	103				
Mich. Wis.	ස 9	168 48	48 2	131 6	57 6	56 14	26 19	11 7				
W.N. CENTRAL Minn.	205 66	151 33	158 104	107	8 5	22 3	56 31	81				
lowa	35 56	21	2 42	43 22	- 2	6	9	29 7				
Mo. N. Dak.	8	75 -	1	29 1	-	11 -	10	34 -				
S. Dak. Nebr.	3 12	1 15	1 -	8	-	- 1	1 5	3 1				
Kans.	25	6	8	4	1	1	-	7				
S. ATLANTIC Del.	259 2	270 1	64	103 2	331 1	355 1	243	282				
Md. D.C.	21 9	21 -	4 U	8 U	39 7	69 15	20 10	32				
Va. W. Va.	14 3	12 1	6 6	13 1	31	22 1	21 6	23 8				
N.C. S.C.	82 14	18 3	19 9	6 1	86 48	92 28	21 14	41 18				
Ga. Fla.	24 90	18 196	16 4	45 27	33 86	61 66	50 101	63 97				
E.S. CENTRAL	140	125	36	95	104	168	70	143				
Ky. Tenn.	55 13	26 57	15 16	17 72	9 50	14 113	9	13 53				
Ala. Miss.	36 36	8 34	5	4 2	23 22	25 16	50 11	55 22				
W.S. CENTRAL	154	475	104	156	132	182	34	315				
Ark. La.	58 11	40 66	10 32	3 32	11 25	11 46	21 -	13 6				
Okla. Tex.	1 84	8 361	62	5 116	15 81	44 81	13	9 287				
MOUNTAIN	133	201	71	76	37	35	41	82				
Mont. Idaho	- 5	22	-	- 15	-	- -	3	-				
Wyo. Colo.	30	1 35	- 18	1 16	- 2	- 1	13	- 9				
N. Mex. Ariz.	30 25 60	35 22 67	18 20 28	13 25	2 4 25	3 29	13 1 10	9 14 22 7				
Utah	5 8	5	5 -	6	4 2	- 2	3 11	7 30				
Nev. PACIFIC	8 348	49 798	- 63	236		105	222	30 458				
Wash. Oreg.	37 21	146 78	37 18	182 46	52 13 2	9 2	30	34 1				
Calif.	289	563	-	-	35	94	185	395				
Alaska Hawaii	1 -	2 9	8	1 7	2	-	7	12 16				
Guam P.R.	- 2	- 10	U U	U U	- 51	-	-	- 17				
V.I. Amer. Samoa	2 U U	Ü	Ü	Ü	U U	34 U U	U U	17 U U				
C.N.M.I.	Ü	U	U	Ü	U	Ü	Ü	Ü				

N: Not notifiable. U: Unavailable. -: No reported cases.

\*Individual cases can be reported through both the National Electronic Telecommunications System for Surveillance (NETSS) and the Public Health Laboratory Information System (PHLIS).

TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending March 10, 2001, and March 11, 2000 (10th Week)

	H. influenzae, Hepatitis (Viral), By Type Measles (Ru								les (Ruber	Rubeola)			
		<i>ienzae,</i> isive		epatitis (Vi	В	μ <del>e</del>	Indige	nous	Impo		Tota	I	
Reporting Area	Cum. 2001 <sup>†</sup>	Cum. 2000	Cum. 2001	Cum. 2000	Cum. 2001	Cum. 2000	2001	Cum. 2001	2001	Cum. 2001	Cum. 2001	Cum. 2000	
UNITED STATES	242	258	1,469	2,449	851	1,052	1	12	1	7	19	13	
NEW ENGLAND	11	22	77	64	12	18	-	3	-	1	4	-	
Maine N.H.	-	3	1 3	3 7	1 4	1 5	-	-	-	-	-	-	
Vt. Mass.	11	3 16	2 26	2 27	1 2	2 1	-	1 2	-	- 1	1 3	-	
R.I.		-	3 42	25	4	- 9	-		-		-	-	
Conn. MID. ATLANTIC	26	- 37	42 65	152	- <b>6</b> 8	182	_	1	- 1	1	2	- 5	
Upstate N.Y.	10	14	30 27	51	16	18	-	-	i	<u>i</u>	1	-	
N.Y. City N.J.	8 7	12 9	-	77 6	44 -	98 8	-	-	-	-	-	5 -	
Pa.	1	2	8	18	8	58	-	1	-	-	1	-	
E.N. CENTRAL Ohio	27 18	46 14	167 52	355 80	123 26	107 23	-	-	-	2	2	3 2	
Ind. III.	5	3 17	5 32	8 149	3 7	5 2	-	-	-	2	2	-	
Mich.	2	3	78	105	87	76	-	-	-	-	-	1	
Wis. W.N. CENTRAL	2 5	9 9	101	13 211	- 36	1 67	1	3	-	-	3	-	
Minn.	-	5	3	20	1	3	-	-	-	-	-	-	
lowa Mo.	1 3	3	9 29	23 130	5 23	10 45	1	3	-	-	3	-	
N. Dak. S. Dak.	-	1	- 1	-	- 1	-	-	-	-	-	-	-	
Nebr.	1	-	17	6	4	6	-	-	-	-	-	-	
Kans. S. ATLANTIC	- 92	- 58	42 246	32 210	2 164	3 144	-	2	-	- 1	3	-	
Del.	-	-	_	4	-	1	-	-	-	-	-	-	
Md. D.C.	26 -	21	47 7	30	25 2	31 -	-	2	-	1 -	3	-	
Va. W. Va.	8 3	11 1	27 -	32 22	16 1	25	-	-	-	-	-	-	
N.C. S.C.	16 1	5 1	23 9	52 3	49	55 1	-	-	-	-	-	-	
Ga.	16	16	52	26	32	2	-	-	-	-	-	-	
Fla. E.S. CENTRAL	22 12	3 13	81	41	39 63	29 77	-	-	-	-	-	-	
Ky.	-	8	54 7	103 5	5	10	-	-	-	-	-	-	
Tenn. Ala.	5 6	3 2	28 18	35 15	24 22	35 5	U	-	U	-	-	-	
Miss.	1	-	1	48	12	27	-	-	-	-	-	-	
W.S. CENTRAL Ark.	4	19	185 16	473 35	41 16	106 15	-	-	-	-	-	-	
La. Okla.	1 3	6 13	13 30	20 72	12 12	32 9	-	-	-	-	-	-	
Tex.	-	-	126	346	1	50	-	-	-	-	-	-	
MOUNTAIN	54	<b>2</b> 8	184	155	110	83	-	-	-	1	1	-	
Mont. Idaho	1	1	4 22	1 7	1 4	3 4	-	-	-	1	1	-	
Wyo. Colo.	9	9	1 24	2 38	22	23	-	-	-	-	-	-	
N. Mex. Ariz.	9 9 33 1	9 6	5 89	20 61	22 33 35	23 24 22	-	-	-	-	-	-	
Utah	1	2	13	12	4	3	-	-	-	-	-	-	
Nev.	1	1	26	14	11	4	-	-	-	-	-	-	
PACIFIC Wash.	11	26 2	390 10	726 33	234 17	268 7	-	3	-	1 -	4	5 2	
Oreg. Calif.	10 -	8 5	21 351	55 631	34 182	23 232	-	2 1	-	- 1	2 2	3	
Alaska Hawaii	1	1 10	8	3 4	1	3	-	-	-	-	-	-	
Guam	_	-	_	-	_	-	U	_	U	_	_	_	
P.R. V.I.	- U	1 U	8 U	75 U	9 U	44 U	Ū	Ū	Ū	Ū	Ū	- U	
Amer. Samoa	Ü	U	U	U	Ū	Ū	U	Ü	U	U	Ū	U	
C.N.M.I.	U	U	U	U	U	U	U	U	U	U	U	U	

N: Not notifiable. U: Unavailable. -: No reported cases.
\*For imported measles, cases include only those resulting from importation from other countries.

† Of 44 cases among children aged <5 years, serotype was reported for 16 and of those, 2 was type b.

TABLE III. (Cont'd) Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending March 10, 2001, and March 11, 2000 (10th Week)

		gococcal ease		Mumps		TOUT V	Pertussis		Rubella			
Reporting Area	Cum. 2001	Cum. 2000	2001	Cum. 2001	Cum. 2000	2001	Cum. 2001	Cum. 2000	2001	Cum. 2001	Cum. 2000	
UNITED STATES	556	551	3	24	91	94	957	947	-	2	11	
NEW ENGLAND	39	30	-	-	-	-	166	262	-	-	4	
Maine N.H.	4	2 3	-	-	-	-	- 14	7 35	-	-	- 1	
Vt.	3	1	-	-	-	-	17	43	-	-	-	
Mass. R.I.	21 -	17 1	-	-	-	-	130 -	169 4	-	-	3 -	
Conn.	11	6	-	-	-	-	5	4	-	-	-	
MID. ATLANTIC Upstate N.Y.	40 15	42 9	-	-	6 2	8 8	52 44	79 39	-	1 1	4 2	
N.Y. City	8 16	12 9	-	-	2	-		19	-	-	2	
N.J. Pa.	1	12	-	-	2	-	8	21	-	-	-	
E.N. CENTRAL	43	97	-	3	11	20	119	164	-	1	-	
Ohio Ind.	22 1	14 15	-	1 -	4	18 -	96 3	108 8	-	-	-	
III.	-	31	-	1	1	1	6	10	-	1	-	
Mich. Wis.	11 9	25 12	-	1 -	6	1 -	13 1	6 32	-	-	-	
W.N. CENTRAL	36	35	-	3	5	-	31	24	-	-	-	
Minn. Iowa	13	3 8	-	-	3	-	3	8 6	-	-	-	
Mo.	12	19	-	-	1	-	17	4	-	-	-	
N. Dak. S. Dak.	2	1 2	-	-	-	-	2	1 1	-	-	-	
Nebr. Kans.	2 7	1 1	-	3	1	-	9	- 4	-	-	-	
S. ATLANTIC	112	83	_	2	11	6	36	48	_	_	1	
Del.	17	-	-	-	3	-	-	1	-	-	-	
Md. D.C.	-	8 -	-	1 -	-	-	11 -	14 -	-	-	-	
Va. W. Va.	12 3	15 2	-	1	1	5	6 1	3	-	-	-	
N.C. S.C.	26 6	15 6	-	-	2 4	- 1	10 5	15 10	-	-	-	
Ga.	14	17	-	-	-	-	-	2	-	-	-	
Fla.	34	20	-	-	1	-	3	3	-	-	1	
E.S. CENTRAL Ky.	40 6	27 6	-	-	1 -	-	24 5	28 20	-	-	-	
Ténn. Ala.	13 17	10 10	U	-	- 1	U	16 2	2 5	U	-	-	
Miss.	4	1	-	-	-	-	1	1	-	-	-	
W.S. CENTRAL	90	73	1	1	11	-	3	11	-	-	2	
Ark. La.	7 25	3 20	1	1	2	-	2	3 2	-	-	-	
Okla. Tex.	10 48	8 42	-	-	- 9	-	1	- 6	-	-	2	
MOUNTAIN	29	26	_	4	2	55	491	182	_	_	-	
Mont. Idaho	3	2	-	-	-	1 36	3 114	1 28	-	-	-	
Wyo.	_	-	-	1	-	-	-	-	-	-	-	
Colo. N. Mex.	11 5	9 4	-	1 2	- N	8 2	104 11	115 23	-	-	-	
Ariz.	6 2	6 4	-	-	-	8	254 5	9	-	-	-	
Utah Nev.	2	1	-	-	2	-	-	2	-	-	-	
PACIFIC	127	138	2	11	44	5	35	149	-	-	-	
Wash. Oreg.	20 15	6 14	N	N	2 N	5 -	13 3	20 17	-	-	-	
Calif. Alaska	91 1	114 1	2	11	37	-	19	104 2	-	-	-	
Hawaii	-	3	-	-	5	-	-	6	-	-	-	
Guam	-	-	U	-	-	U	-	-	U	-	-	
P.R. V.I.	1 U	2 U	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū	
Amer. Samoa C.N.M.I.	U U	U U	U	U U	U U	U U	U U	U U	U U	U	U U	

TABLE IV. Deaths in 122 U.S. cities,\* week ending March 10, 2001 (10th Week)

	i				0	, 200	TI (TOLII WE								
		All Cau	ıses, By	Age (Ye	ears)		P&I⁺			All Cau	ises, By	Age (Y	ears)		P&I⁺
Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	Total	Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	Total
NEW ENGLAND	599 141	456 100		41	9	7 2	71 18	S. ATLANTIC	1,257	838	273	97	30	19 2	98
Boston, Mass. Bridgeport, Conn		27	23 6	10 4	6	-	3	Atlanta, Ga. Baltimore, Md.	171 134	105 84	41 26	18 15	5 7	2	8 13
Cambridge, Mass	. 16	14		1	-	-	-	Charlotte, N.C.	129	78	31	11	4	5	13
Fall River, Mass. Hartford, Conn.	32 63	26 38	6 16	- 7	1	1	4 4	Jacksonville, Fla Miami, Fla.	. 144 104	103 71	31 27	7 5	2	1 1	10 12
Lowell, Mass.	22	18	2	2	-	-	2	Norfolk, Va.	57	40	9	7	-	1	1
Lynn, Mass. New Bedford, Ma	ss. 35	9 29	3 3	2 3	-	_	- 5	Richmond, Va. Savannah, Ga.	73 91	47 69	14 15	7 5	1 2	4	3 14
New Haven, Conn	ı. 36	30	5	1	-	-	8	St. Petersburg, F	la. 61	50	7	3	-	1	7
Providence, R.I. Somerville, Mass	. 60 . 5	51 4	3 1	4	2	-	1 2	Tampa, Fla. Washington, D.(	179 C. 100	127 57	37 28	10 9	4 5	1 1	15 2
Springfield, Mass	5. 54	41	9	1	-	3	7	Wilmington, De		7	7	-	-	-	-
Waterbury, Conn. Worcester, Mass.	. 25 59	21 48	2 6	2 4	-	- 1	4 13	E.S. CENTRAL	1,015	680	217	73	27	18	82
MID. ATLANTIC	2,232	1,583		133	35	30	133	Birmingham, Ala Chattanooga, Te		113 47	31 11	10 5	6	2	15 3
Albany, N.Y.	60	44	9	4	1	2	4	Knoxville, Tenn.	67	55	8	3	1	-	2
Allentown, Pa. Buffalo, N.Y.	17 101	17 72	20	4	3	2	1 12	Lexington, Ky. Memphis, Tenn.	104 250	76 164	20 55	4 18	3 6	1 7	10 23
Camden, N.J.	26	17	4	2	1	2	-	Mobile, Ala.	118	78	26	11	3	-	5
Elizabeth, N.J. Erie, Pa.§	22 50	17 38	5 9	3	-	-	2	Montgomery, Al Nashville, Tenn.	la. <i>7</i> 3 176	32 115	26 40	8 14	5 3	2 4	5 19
Jersey City, N.J.	Ü	U	Ú	U	U	U	U	W.S. CENTRAL	1,583	1,060	315	126	47	35	117
New York City, N.' Newark, N.J.	Y. 1,122 61	784 34	240 17	76 7	10 2	12	44 2	Austin, Tex.	81	47	27	5	1	1	5
Paterson, N.J.	23	16	7	-	-	-	1	Baton Rouge, La Corpus Christi, 1		48 53	9 12	9 4	5 1	2	2 4
Philadelphia, Pa. Pittsburgh, Pa.§	307 51	208 35		16 2	10 3	7	24 3	Dallas, Tex.	235	146	54	24	7	4	16
Reading, Pa.	29	22	6	1	-	-	4	El Paso, Tex. Ft. Worth, Tex.	<i>7</i> 3 126	53 90	11 17	5 8	1 4	3 7	5 6
Rochester, N.Y. Schenectady, N.Y	148	117 19	24 7	7 4	-	-	11 4	Houston, Tex.	408	245	101	40	16	6	30
Scranton, Pa.§	24	18 79	1	2	2	1	4 11	Little Rock, Ark. New Orleans, La	. 80 . U	43 U	18 U	10 U	1 U	8 U	3 U
Syracuse, N.Y. Trenton, N.J.	100 32	79 22	13 7	2 2	1	4	3	San Antonio, Te	x. 214	160	36	10	7	1	21
Utica, N.Y. Yonkers, N.Y.	29 U	24 U	4 U	1 U	- U	Ū	3 U	Shreveport, La. Tulsa, Okla.	<i>7</i> 7 146	62 113	11 19	3 8	1 3	3	12 13
E.N. CENTRAL	2,115	1,429	415	159	64	46	159	MOUNTAIN	1,264	856	232	80	31	25	97
Akron, Ohio	43	34	5	3	1	-	7	Albuquerque, N	.M. 62	36	12	8	3	3	5
Canton, Ohio Chicago, III.	42 368	29 232	11 76	1 36	1 13	9	9 29	Boise, Idaho Colo. Springs, C	53 olo. 62	40 43	4 16	4 3	4	1	6 3
Cincinnati, Ohio	109	65	29	6	6	3	11	Denver, Colo.	120	86	18	8	5	3	10
Cleveland, Ohio Columbus, Ohio	144 189	89 120	31 46	11 12	7 7	6 4	7 17	Las Vegas, Nev. Ogden, Utah	261 26	163 17	70 6	14 1	5 1	8 1	19 3
Dayton, Ohio	130	86	29	10	2	3	3	Phoenix, Ariz.	357	251	41	21	3	2	26
Detroit, Mich. Evansville, Ind.	195 53	111 37	44 10	30 2	5 2	5 2	17 3	Pueblo, Colo. Salt Lake City, U	37 tah 111	25 72	9 18	3 12	5	4	4 8
Fort Wayne, Ind.	46	29	10	6	1	-	3	Tucson, Ariz.	175	123	38	6	5	3	13
Gary, Ind. Grand Rapids, Mi	20 ch. 55	9 47	6 4	2 3	3	- 1	- 5	PACIFIC	2,115	1,521	355	156	41	42	206
Indianapolis, Ind.	224	148	47	17	8	4	14	Berkeley, Calif. Fresno, Calif.	19 113	15 55	3 24	24	9	1 1	2 8
Lansing, Mich. Milwaukee, Wis.	30 148	23 124		1 5	1 1	3	4 7	Glendale, Calif.	26	23	2	-	1	-	4
Peoria, III.	61	53	4	2	1	1	2	Honolulu, Hawa Long Beach, Cal		55 53	16 16	5 5	1	7 3	6 16
Rockford, III. South Bend, Ind.	71 43	50 31	16 2	2 5	2	1 2	8 5	Los Angeles, Cal	if. 971	708	171	67	17	8	95
Toledo, Ohio	87	67	16	3	-	1	7	Pasadena, Calif. Portland, Oreg.	19 187	12 133	4 24	20	6	2 4	2 13 U
Youngstown, Ohi		45	9	2	-	1	1	Sacramento, Čalif		U 146	36 U	U 17	U 1	U 5	U 26
W.N. CENTRAL Des Moines, Iowa	841 a 72	597 59	165 12	40 1	19	20	83 6	San Diego, Calif San Francisco, C	alif. U	U	36 U	U	Ú	U	26 U
Duluth, Minn.	27	20	7	-	-	-	5	San Jose, Calif. Santa Cruz, Calif	U f. 36	U 34	U	U 1	U 1	U	U 4
Kansas City, Kans Kansas City, Mo.	. 30 129	22 82		3 6	1 4	1 2	1 13	Seattle, Wash.	205	155	32	7	2	9	15
Lincoln, Nebr.	38	29	7	2	-	-	4	Spokane, Wash. Tacoma, Wash.	71 102	55 77	9 18	5 5	1 1	1 1	9 6
Minneapolis, Min Omaha, Nebr.	n. 203 96	157 72		8 4	6 1	3 1	19 12							-	
St. Louis, Mo.	101	63	23	7	2	6		TOTAL	13,021	9,020	2,508	905	303	242	1,046
St. Paul, Minn. Wichita, Kans.	82 63	49 44		6 3	2	4 3	9 7 7								
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# Contributors to the Production of the MMWR (Weekly)

## Weekly Notifiable Disease Morbidity Data and 122 Cities Mortality Data

Samuel L. Groseclose, D.V.M., M.P.H.

**State Support Team** Robert Fagan Jose Aponte Gerald Jones David Nitschke Scott Noldy Carol A. Worsham

CDC Operations Team

Carol M. Knowles Deborah A. Adams Willie J. Anderson Patsy A. Hall Suzette A. Park Felicia J. Perry Pearl Sharp

## Informatics

T. Demetri Vacalis, Ph.D.

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Director, Epidemiology Program Office Writers-Editors, MMWR (Weekly) Director, Centers for Disease Control and Prevention Jill Crane Jeffrey P. Koplan, M.D., M.P.H. Stephen B. Thacker, M.D., M.Sc. David C. Johnson Deputy Director for Science and Editor, MMWR Series Desktop Publishing Public Health, Centers for Disease John W. Ward, M.D. Control and Prevention Lynda G. Cupell Acting Managing Editor, MMWR David W. Fleming, M.D. Morie M. Higgins (Weekly) Teresa F. Rutledge

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