



MORBIDITY AND MORTALITY WEEKLY REPORT

- Outbreak of Cyclosporiasis —
 Northern Virginia-Washington,
 D.C.-Baltimore, Maryland,
 Metropolitan Area, 1997

 Status of the Global Laboratory
 Network for Poliomyelitis
- Network for Poliomyelitis Eradication, 1994–1996 Tuberculosis Morbidity — U.S., 1996
- 700 Isolation of *E. coli* O157:H7 from Sporadic Cases of Hemorrhagic Colitis United States
- 704 Notices to Readers

Outbreak of Cyclosporiasis — Northern Virginia-Washington, D.C.-Baltimore, Maryland, Metropolitan Area, 1997

During July 1997, state and local health departments in Virginia, the District of Columbia (DC), and Maryland received reports of clusters of cases of cyclosporiasis associated with events (e.g., luncheons) held in their jurisdictions during June and July. This report describes the preliminary findings of the investigation of a cluster in Virginia and summarizes the findings from ongoing investigations of the other clusters. Fresh basil has been implicated as the probable vehicle of infection.

Alexandria, Virginia

On July 7, a company physician reported to the Alexandria Department of Health (ADOH) that most of the employees who attended a corporate luncheon on June 26 at the company's branch in Fairfax, Virginia, had developed gastrointestinal illness. The luncheon was catered by the Alexandria branch of company A. Company A operates nine stores in the northern Virginia-DC-Baltimore, Maryland, metropolitan area: a central production kitchen and retail food store in Bethesda, Maryland; and eight branch stores, each with a kitchen and retail store.

On July 11, the health department was notified that a stool specimen from one of the employees who attended the luncheon was positive for *Cyclospora* oocysts. A clinical case of cyclosporiasis was defined as onset of at least four gastrointestinal symptoms, such as diarrhea, nausea, vomiting, or abdominal cramps, 1–14 days after the luncheon. All 54 persons who attended the luncheon on June 26 or who ate left-over food on June 27 were interviewed. Of the 54 persons, 48 (89%) had illness that met the clinical case definition, including 17 whose infections were laboratory confirmed by examination of stool specimens. The median incubation period was 8 days (range: 3–12 days). Of the 48 case-patients, 45 had diarrhea (three or more loose stools during a 24-hour period), with a median number of stools per day of seven (range: three to 35 stools) and a median duration of diarrheal illness of 5 days (range: 1–10 days).

Eating the basil-pesto pasta salad, which was served cold, was the only exposure significantly associated with risk for illness in univariate analysis; 43 (98%) of the 44 persons who ate this food item became ill, compared with one (17%) of six persons who did not eat it (relative risk=5.9; p<0.001, Fisher's exact test; four ill persons did not

Cyclosporiasis — Continued

recall whether they had eaten the salad). The one ill person who did not eat the salad used the spoon from the salad to serve himself leftovers of another food item that he ate on June 27. The salad had been prepared in the Alexandria store with basil-pesto sauce made in the production kitchen in Bethesda. No raspberries or mesclun lettuce, which caused outbreaks of cyclosporiasis in the United States this spring (1), were served at the luncheon.

Other Investigations

Twenty-five clusters of cases of cyclosporiasis with at least one laboratory-confirmed case per cluster (i.e., confirmed clusters) have been reported in association with events held in the northern Virginia-DC-Baltimore metropolitan area during June and July. In addition, at least 20 possible clusters for which laboratory confirmation has not yet been obtained have been reported. The dates of the events associated with confirmed and possible clusters ranged from June 16 to July 8 and from June 15 to July 12, respectively. Based on preliminary interview data, the 25 confirmed clusters comprise approximately 185 cases (approximately 60 laboratory-confirmed and 125 clinically defined cases), and the 20 possible clusters, approximately 75 clinically defined cases.

All 25 confirmed clusters were associated with events at which at least one food item that contained fresh basil from company A was served (i.e., fresh basil or a prepared food item that contained fresh basil was either purchased at one of its retail stores or served at a meal prepared in one of its kitchens). Six of the nine company A stores have been linked to clusters. For 23 of the 25 events, a basil-containing item that included basil-pesto sauce (e.g., in a pasta salad or on a sandwich) made at the Bethesda store was served. Company A reported that its practice was to wash basil that it used to make pesto sauce. Eating the food item that contained basil was significantly associated (p<0.05) or associated (i.e., all ill persons had eaten the item but the p value was ≥0.05) with risk for illness for all six events for which preliminary epidemiologic data are available.

At the direction of the ADOH, on July 12, company A terminated production and sales of pesto sauce made with fresh basil and of food items that contained this sauce and terminated sales of fresh basil. On July 18, health departments in Virginia and Maryland issued press releases to inform the public not to consume fresh basil or fresh basil-containing food items previously purchased from company A. State and local health departments, CDC, and the Food and Drug Administration (FDA) are continuing investigations to determine the sources and distribution of the basil; to determine how basil is handled, processed, and distributed by company A; and to identify modes of contamination. FDA and CDC are testing for the presence of *Cyclospora* oocysts in samples of fresh basil and basil-pesto sauce obtained in mid-July from company A and in leftover pesto sauce obtained from several ill persons.

Reported by: R Pritchett, MPH, C Gossman, V Radke, MPH, J Moore, MHSA, E Busenlehner, K Fischer, K Doerr, C Winkler, M Franklin-Thomsen, J Fiander, J Crowley, E Peoples, L Bremby, J Southard, MSN, L Appleton, D Bowers, MSN, J Lipsman, MD, Alexandria Dept of Health, Alexandria; H Callaway, D Lawrence, R Gardner, Fairfax Dept of Health, Fairfax; B Cunanan, R Snaman, Arlington Dept of Health, Arlington; J Rullan, MD, G Miller, Jr, MD, State Epidemiologist, Virginia Dept of Health; S Henderson, M Mismas, T York, PhD, J Pearson, PhD, Div of Consolidated Svcs, Commonwealth of Virginia. C Lacey, J Purvis, N Curtis, K Mallet, Montgomery County Health Dept, Rockville; R Thompson, Baltimore County Health Dept, Towson; D Portesi, MPH, DM Dwyer, MD, State Epidemiologist, Maryland Dept of Health and

Cyclosporiasis — Continued

Mental Hygiene. M Fletcher, PhD, M Levy, MD, District Epidemiologist, District of Columbia Dept of Health. T Lawford, MD, Fairfax, Virginia. M Sabat, MS, Chicago, Illinois. M Kahn, Atlanta, Georgia. Office of Regulatory Affairs, and Center for Food Safety and Applied Nutrition, Food and Drug Administration. Div of Parasitic Diseases, National Center for Infectious Diseases, CDC.

Editorial Note: The preliminary findings of the investigations described in this report implicate fresh basil from company A as the probable vehicle of infection for the clusters of cases of cyclosporiasis recently identified in the northern Virginia-DC-Baltimore metropolitan area. To date, all of these clusters have been associated with company A, even though the produce distributor that was the sole supplier for company A during the relevant period provided a large (as yet undetermined) proportion of its inventory of fresh basil to other local establishments. Some of the implicated food items from company A did not contain basil-pesto sauce; therefore, basil, rather than the other ingredients of the pesto sauce, is the probable vehicle. The mode of contamination of the basil is being investigated. *Cyclospora* oocysts are not infectious (i.e., are unsporulated) at the time of excretion. However, the minimum time required for sporulation is unknown, and the conditions in the environment and in foods that expedite sporulation are poorly understood.

In addition to the cases of cyclosporiasis associated with consumption of basil, approximately 1450 other cases of cyclosporiasis, approximately 550 of which have been laboratory confirmed, have been reported in the United States and Canada in 1997. Fresh raspberries imported from Guatemala and mesclun lettuce (specific source not yet determined) have both been implicated as vehicles of infection in outbreak investigations in 1997 (1). The implication of three different vehicles of infection during 1997 highlights the need for strengthened prevention and control measures to ensure the safety of produce that is eaten raw and the need for improved understanding of the epidemiology of *Cyclospora*.

The average incubation period for cyclosporiasis is 1 week; in patients who are not treated with trimethoprim-sulfamethoxazole (2), illness can be protracted, with remitting and relapsing symptoms. Health-care providers should consider *Cyclospora* infection in persons with prolonged diarrheal illness and specifically request laboratory testing for this parasite. Cases should be reported to local and state health departments; health departments that identify cases of cyclosporiasis should contact CDC's Division of Parasitic Diseases, National Center for Infectious Diseases, telephone (770) 488-7760. Newly identified clusters should be investigated to identify the vehicles of infection and to identify the sources and modes of contamination of implicated foods.

References

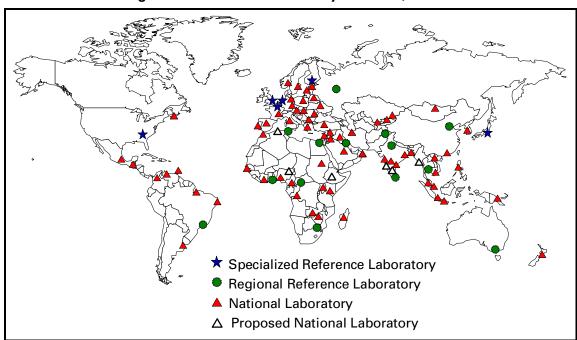
- CDC. Update: outbreaks of cyclosporiasis—United States and Canada, 1997. MMWR 1997;46:521–3.
- 2. Hoge CW, Shlim DR, Ghimire M, et al. Placebo-controlled trial of co-trimoxazole for *Cyclospora* infections among travellers and foreign residents in Nepal. Lancet 1995;345:691–3.

Status of the Global Laboratory Network for Poliomyelitis Eradication, 1994–1996

In 1988, the World Health Assembly adopted the goal of global poliomyelitis eradication by the year 2000 (1). Since then, appropriate strategies have been developed, and substantial progress toward the implementation of these strategies has been reported from each region of the World Health Organization (WHO) (2,3). The establishment of sensitive surveillance systems to detect polio cases and poliovirus is critical to guide program activities and eventually permit the certification of polio eradication. This report describes the proficiency of the global laboratory network, which operates in each WHO region and provides virologic laboratory support to all countries with endemic polio.

The WHO Global Laboratory Network comprises 67 national laboratories, 14 regional reference laboratories, and six specialized reference laboratories (Figure 1). The national laboratories process stool specimens from cases of acute flaccid paralysis (AFP) to detect poliovirus and identify serotypes. The regional reference laboratories confirm the identity of polioviruses isolated by national laboratories and determine whether the viruses are wild or vaccine-derived. The specialized reference laboratories develop and distribute virus reference reagents, prepare training materials, organize workshops, offer extended bench training, collaborate on special surveillance studies, and conduct research to improve the methods of virologic surveillance. These laboratories also perform genomic sequencing of epidemiologically important polioviruses. The sequence information can be used to distinguish between imported and indigenous polioviruses, estimate the temporal link between cases, identify reservoirs sustaining poliovirus endemicity, track chains of virus transmission, and recognize potential laboratory contaminants (4).

FIGURE 1. Location of the World Health Organization national, regional, and specialized reference laboratories and proposed national laboratories for poliovirus — World Health Organization Global Laboratory Network, 1997



Global Laboratory Network — Continued

To ensure the quality of the laboratory network, in 1996 an annual accreditation program was initiated to be completed by all national and regional laboratories by the end of 1997. Six criteria are used for accreditation: 1) completeness and timeliness of reporting; 2) minimum number of specimens tested; 3) nonpolio enterovirus isolation rate of ≥10% from all stool specimens; 4) accuracy of poliovirus detection and identification; 5) scores from annual proficiency tests; and 6) score from an annual on-site review of laboratory operating procedures and practices.

The laboratory network must have the capacity and capability to process a minimum of 26,000 stool specimens per year, based on the expected occurrence of at least one case of nonpolio AFP per 100,000 population aged <15 years. To assess the quality of performance, during 1994-1996, a total of 100 proficiency tests were completed by the 67 national laboratories in five of the eight WHO regions. The proficiency test panels were prepared by the National Institute of Public Health and Environmental Protection (RIVM) in Bilthoven, Netherlands, and consisted of five stool samples containing zero, one, two, or three poliovirus serotypes and/or nonpolio enteroviruses. Correct results were obtained for 332 (66%) of the 500 total samples. Of the samples containing one poliovirus type, 90% were correctly identified; of the samples containing two poliovirus types, 71% were correctly identified; and of the samples containing three poliovirus types, 33% were correctly identified. Of the 168 (34%) samples with incorrect results, 26% were caused by errors in virus isolation or typing and 8% by virus contamination of negative samples or cross-contamination of virus-containing samples. Samples containing any poliovirus, regardless of the number or type, were identified with a sensitivity and specificity of 92% and 91%, respectively. For all national and regional laboratories, the goal of proficiency testing is a score of ≥80%. In the 1997 proficiency tests, each of the 30 provincial laboratories in China scored 100%. All regional reference laboratories scored 100% on the most recent panels designed to test the proficiency in distinguishing wild from vaccine-derived polioviruses.

Reported by: Global Program for Vaccines and Immunization, World Health Organization, Geneva, Switzerland. Respiratory and Enteric Viruses Br, Div of Viral and Rickettsial Diseases, National Center for Infectious Diseases; Polio Eradication Activity, National Immunization Program, CDC.

Editorial Note: Polio eradication depends on effective global surveillance to guide vaccination strategy, verify outcome, and certify success. Surveillance consists of detecting, reporting, and investigating all cases of AFP in patients aged <15 years or suspected polio cases in patients of any age, collecting stool specimens from each patient for testing in the laboratory, and reporting the virologic findings to national immunization managers. An essential component of surveillance is a global network of high-quality laboratories capable of detecting wild poliovirus. Building the network began in 1986 in the Americas (4)—the first region to declare its intention to eradicate polio—and has continued in other regions of WHO following the World Health Assembly resolution of 1988 (1,5,6).

Effective surveillance for polio begins in the field and requires early detection of AFP cases, collection of specimens within 2 weeks of onset of AFP, prompt shipment of specimens on ice to the laboratory, and prompt reporting of laboratory results. Maintaining an effective poliovirus surveillance system is a dynamic process, requiring regular review of training and resource needs for optimal performance. Organizations supporting continued development of the surveillance system include Rotary

Global Laboratory Network — Continued

International, the Japanese International Cooperation Agency, the U.S. Agency for International Development, and other partner organizations. The Polio Plus Partners Program of Rotary International, through the donations of individual clubs and districts to assist individual laboratories, also contributes support to polio surveillance.

The 1994–1996 proficiency test results are an indication of the range of capabilities of national laboratories and serve as a basis for further improvement, particularly by newer and less-experienced laboratories. Samples containing more than one poliovirus type or a poliovirus and nonpolio enterovirus mixture caused the greatest difficulty, skewing the scores downward. However, samples containing more than one poliovirus or a mixture of polioviruses and nonpolio enteroviruses may not be routinely encountered in poliovirus surveillance. Of the proficiency testing samples, 45% contained more than one virus; of stool specimens from AFP cases, 5%–20% can be expected to contain more than one virus, depending on the prevalence of virus in the community or the recent administration of trivalent oral poliovirus vaccine.

Proficiency testing samples with one or more polioviruses were identified as containing poliovirus with a sensitivity and specificity of 92% and 91%, respectively. In practice, the identification of poliovirus in a sample is sufficient cause to ship the isolate to a regional reference laboratory, where virus mixtures can be separated and characterized using additional tests.

WHO is committed to further enhancing laboratory proficiency through the introduction of a poliovirus-specific cell substrate, improvement of procedures, and continued training. The results of the 1997 network-wide process of laboratory accreditation will provide additional assessment of progress in national and regional poliovirus surveillance. The role of the laboratory network becomes increasingly important as progress is made toward polio eradication. The laboratory network in the Americas monitored the successive elimination of the eight distinct wild poliovirus genotypes indigenous to the Americas (7), which culminated in the reporting of the last case in 1991 (8). The polioviruses that had been indigenous to China were last detected in 1994 (9), and wild poliovirus type 2 is nearing extinction.

References

- 1. World Health Assembly. Global eradication of poliomyelitis by the year 2000. Geneva, Switzerland: World Health Organization, 1988. (Resolution no. WHA 88.28).
- 2. Hull HF, Ward NA, Milstien JB, de Quadros C. Paralytic poliomyelitis: seasoned strategies, disappearing disease. Lancet 1994;343:1331–7.
- 3. CDC. Progress toward global eradication of poliomyelitis, 1996. MMWR 1997;46:579-84.
- 4. Pinheiro FP, Kew OM, Hatch MH, da Silveira CM, de Quadros CA. Eradication of wild poliovirus from the Americas: part 2. Wild poliovirus surveillance—laboratory issues. J Infect Dis 1997;175(suppl 1):S43–S49.
- 5. Hull BP, Dowdle WR. Poliovirus surveillance: building the global polio laboratory network. J Infect Dis 1997;175(suppl 1):S113–S116.
- 6. Sanders R, Maher C, Aylward RB, et al. Development and coordination of the polio laboratory network in the Western Pacific Region of the World Health Organization. J Infect Dis 1997;175(suppl 1):S117–S121.
- 7. Kew OM, Mulders MN, Lipskaya GY, da Silva EE, Pallansch MA. Molecular epidemiology of polioviruses. Semin Virol 1995;6:401–14.
- 8. CDC. Certification of poliomyelitis eradication—the Americas, 1994. MMWR 1994;43:720-2.
- 9. CDC. Progress toward poliomyelitis eradication—People's Republic of China, 1990–1996. MMWR 1996;45:1076–9.

Tuberculosis Morbidity — United States, 1996

During 1996, a total of 21,337 cases of tuberculosis (TB) (8.0 cases per 100,000 population) were reported to CDC from the 50 states, the District of Columbia (DC), and New York City; this total represents a 6.7% decrease from 1995 (22,860 cases [8.7 per 100,000 population]) (1). This is the fourth consecutive year that the number of reported TB cases has decreased (Figure 1), resulting in the lowest number and rate of reported TB cases since national reporting began in 1953. This report summarizes TB surveillance data for 1996 and compares these data with selected data for previous years. The findings indicate a continuing decrease in the number of TB cases among U.S.-born persons and a leveling or slight decrease in the number of cases among persons born outside the United States and its territories (i.e., foreign-born).

During 1996, a total of 29 states reported fewer TB cases than in 1995, and 21 states and DC reported no change or more cases in 1996 than in 1995 (Table 1). In 1996, TB rates by state ranged from 0.7 per 100,000 population in Vermont to 16.9 in Hawaii. The rate in DC was highest of all reporting areas (25.6). Nineteen states met the interim target rate for 2000 of ≤3.5, compared with 16 in 1995 (Table 1) (2). Compared with 1995, the number of reported TB cases in 1996 decreased in each sex and age group and all racial/ethnic groups (Table 2). The number of U.S.-born case-patients decreased 9.7% (Table 2). Among U.S.-born case-patients, TB rates decreased from 6.2 in 1995 to 5.6 in 1996. The number of cases decreased in all age groups, with the largest decreases occurring among persons aged 0–4 years (14.5%) and 25–44 years (13.4%).

During 1996, TB cases reported among foreign-born persons accounted for 36.6% of those with information about country of origin, compared with 34.7% in 1995 (Figure 2). In 1996, the number of TB cases among foreign-born persons decreased

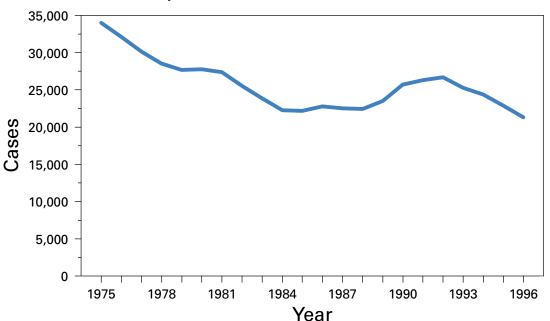


FIGURE 1. Number of reported tuberculosis cases — United States, 1975–1996

TABLE 1. Number of reported tuberculosis cases, percentage change in number of cases, and case rates*, by state and year — United States, 1995–1996

	No. o	ases	% Change from	Case	rate
State	1995	1996	1995 to 1996	1995	1996
Alabama	420	423	+ 0.7%	9.9	9.9
Alaska	81	96	+18.5%	13.4	15.8
Arizona	319	282	-11.6%	7.6	6.4
Arkansas	271	225	-17.0%	10.9	9.0
California	4,677	4,313	- 7.8%	14.8	13.5
Colorado	95	104	+ 9.5%	2.5	2.7
Connecticut	139	138	- 0.7%	4.2	4.2
Delaware	56	43	-23.2%	7.8	5.9
District of Columbia	102	139	+36.3%	18.4	25.6
Florida	1,556	1,417	- 8.9%	11.0	9.8
Georgia	746	790	+ 5.9%	10.4	10.7
Hawaii	193	200	+ 3.6%	16.3	16.9
Idaho	14	15	+ 7.1%	1.2	1.3
Illinois					
Indiana	1,024	1,060	+ 3.5%	8.7	8.9
lowa	199	202	+ 1.5%	3.4	3.5
	72	70	- 2.8%	2.5	2.5
Kansas	89	74	-16.9%	3.5	2.9
Kentucky	327	259	-20.8%	8.5	6.7
Louisiana	476	420	-11.8%	11.0	9.7
Maine	28	21	-25.0%	2.3	1.7
Maryland	370	319	-13.8%	7.3	6.3
Massachusetts	330	262	-20.6%	5.4	4.3
Michigan	424	443	+ 4.5%	4.4	4.6
Minnesota	156	131	-16.0%	3.4	2.8
Mississippi	271	251	- 7.4%	10.0	9.2
Missouri	244	224	- 8.2%	4.6	4.2
Montana	21	19	- 9.5%	2.4	2.2
Nebraska	24	22	- 8.3%	1.5	1.3
Nevada	115	137	+19.1%	7.5	8.5
New Hampshire	23	21	- 8.7%	2.0	1.8
New Jersey	848	820	- 3.3%	10.7	10.3
New Mexico	85	89	+ 4.7%	5.0	5.2
New York	3,066	2,588	-15.6%	16.9	14.2
North Carolina	519	554	+ 6.7%	7.2	7.6
North Dakota	5	8	+60.0%	0.8	1.2
Ohio	280	301	+ 7.5%	2.5	2.7
Oklahoma	237	201	-15.2%	7.2	6.1
Oregon	156	190	+21.8%	5.0	5.9
Pennsylvania	674	583	-13.5%	5.6	4.8
Rhode Island	50				
South Carolina		35	-30.0% - 4.3%	5.1	3.5
South Dakota	334	348	+ 4.2%	9.1	9.4
	28	19	-32.1%	3.8	2.6
Tennessee	465	504	+ 8.4%	8.8	9.5
Texas	2,369	2,103	-11.2%	12.7	11.0
Utah	48	58	+20.8%	2.5	2.9
Vermont	4	4	_	0.7	0.7
Virginia	359	349	- 2.8%	5.4	5.2
Washington	278	285	+ 2.5%	5.1	5.2
West Virginia	71	57	-19.7%	3.9	3.1
Wisconsin	117	114	- 2.6%	2.3	2.2
Wyoming	5	7	+40.0%	1.0	1.5
Total	22,860	21,337	- 6.7%	8.7	8.0

^{*}Per 100,000 population.

TABLE 2. Number of persons with reported cases of tuberculosis, percentage change in number of cases, and case rates*, by selected characteristics and year — United States, 1995–1996

	No. repoi	ted cases	% Change from	Case	rate
Characteristic	1995	1996	1995 to 1996	1995	1996
Sex [†]					
Male	14,494	13,560	- 6.4%	11.3	10.4
Female	8,348	7,765	- 7.0%	6.2	5.7
Age group (yrs)§					
0–14	1,558	1,372	-11.9%	2.7	2.4
15–24	1,703	1,656	- 2.8%	4.7	4.6
25–44	8,241	7,604	- 7.7%	9.9	9.1
45–64	5,998	5,588	- 6.6%	11.5	10.4
≥65	5,351	5,103	- 4.6%	16.0	15.1
Race/Ethnicity¶					
White, non-Hispanic	5,989	5,506	- 8.1%	3.1	2.8
Black, non-Hispanic	7,555	7,106	- 5.9%	23.9	22.3
Hispanic** Asian/	4,847	4,533	- 6.5%	18.0	16.0
Pacific Islander American Indian/	3,997	3,814	- 4.6%	45.9	41.6
Alaskan Native	319	284	-11.0%	16.5	14.5
Country of origin††					
United States	14,772	13,333	- 9.7%	6.2	5.5
Other	7,930	7,704	- 2.8%	33.9	31.3
Total	22,860	21,337	- 6.7%	8.7	8.0

^{*}Per 100,000 population.

2.9% (from 7930 in 1995 to 7704 in 1996) (Table 2), representing the first decreases among foreign-born persons since 1986 (the first year such data were collected). The TB rate among foreign-born persons also decreased in 1996 (31.3), compared with 1995 (33.9). In 1996, the country of origin was known for 7641 (99.2%) foreign-born case-patients; seven countries (Haiti, India, Mexico, Philippines, People's Republic of China, Republic of Korea, and Vietnam) accounted for 66.2% of cases. Of the 5225 foreign-born persons reported in 1996 whose records contained information about month and year of arrival in the United States, 1439 (27.5%) had TB diagnosed within 1 year and 1431 (27.4%), 1–5 years after entering the United States. In 1996, the number of reported cases among foreign-born persons decreased in all age groups except among persons aged 15–24 years (2.7% increase); the largest decrease occurred among persons aged 0–4 years (20.8%).

Information about the initial prescribed drug regimen was available for 99% of cases reported in 1995 and 1996. Compared with 1995, the number of cases for which the initial four-drug regimen was prescribed as recommended by the Advisory Coun-

[†]Excludes persons for whom sex was unknown (18 in 1995 and 12 in 1996).

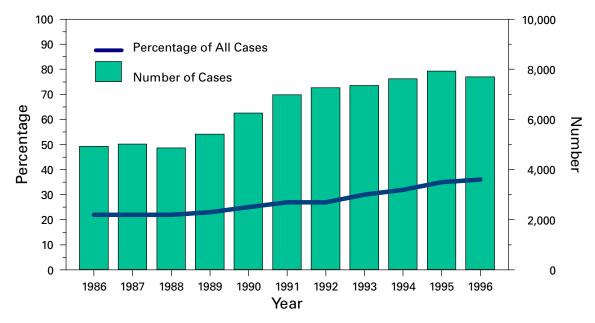
[§]Excludes persons for whom age was unknown or missing (nine in 1995 and 14 in 1996).

Excludes persons for whom race/ethnicity was unknown (153 in 1995 and 94 in 1996).

^{**} Persons of Hispanic ethnicity can be of any race.

^{††}Excludes persons for whom country of origin was unknown (158 in 1995 and 300 in 1996).

FIGURE 2. Number and percentage of tuberculosis cases among foreign-born persons — United States, 1986–1996



cil for the Elimination of Tuberculosis, the American Thoracic Society, and CDC (isoniazid [INH], rifampin [RIF], pyrazinamide, and either ethambutol or streptomycin) (3,4) increased 4.1% (from 13,582 [63.3%] of 21,472 in 1995 to 13,679 [67.5%] of 20,277 in 1996). In 1995, human immunodeficiency virus (HIV)-antibody–test results were available for 3490 (42.3%) of 8241 persons aged 25–44 years, and in 1996 for 3866 (50.8%) of 7604. Fourteen states reported HIV-antibody–test results for ≥75% of cases in 1996, compared with nine states in 1995.

The proportion of TB cases for which drug-susceptibility results for *Mycobacterium tuberculosis* isolates were reported was 90.7% (15,639 of 17,234) in 1996, an increase from 87.4% (15,993 of 18,292) in 1995. In 1996, a total of 47 states reported drug-susceptibility results for isolates from \geq 75% of cases; of these, 1225 (8.0%) of 15,282 were resistant to at least INH, compared with 1189 (8.2%) of 14,546 among the 42 states reporting results for \geq 75% of cases in 1995; 234 (1.5%) of 15,263 were resistant to at least INH and RIF, compared with 268 (1.8%) of 14,520 in 1995. The 47 states reporting drug-susceptibility results accounted for 98% of all culture-positive cases reported in 1996.

Reported by: Div of Tuberculosis Elimination, National Center for HIV, STD, and TB Prevention, CDC.

Editorial Note: The continued decline in the number of TB cases reported annually in the United States since 1992 primarily reflects improvements in TB-prevention and TB-control programs in state and local health departments resulting from increased federal resources provided to the states beginning in the early 1990s (1). The increased funding enabled many TB-control programs to improve management of TB cases by ensuring that each patient completed an adequate course of therapy and by expanding the use of directly observed therapy (DOT) (5–7). Information about treat-

ment outcome (e.g., completion of TB treatment and use of DOT) was collected for each reported TB case for the first time beginning in 1993. Analyses of available data about completion of TB treatment and use of DOT for TB cases reported in 1993 and 1994 indicated that treatment completion rates increased from 76% for 1993 to 78% for 1994, and the proportion receiving DOT increased from 35% for 1993 to 47% for 1994 (CDC, unpublished data, 1997). Complete data for 1995 and 1996 cases are not yet available.

Although the number and rate of reported TB cases in the United States continue to decline, TB incidence for 1996 (8.0) exceeded the national goal of TB elimination (an incidence of <1 case per 1 million population) by 2010, with an interim incidence target of 3.5 cases per 100,000 population by 2000 (2). TB rates remain higher for foreign-born persons and minority groups.

Sustained improvement of TB control and prevention in the United States and achievement of the 2010 national goal of TB elimination requires continued collaboration between federal agencies and state and local health departments. The highest priority of TB-prevention and TB-control programs must be to ensure that all persons with TB are promptly identified and treated with an adequate course of drug therapy (8). Future efforts must include intensified identification and treatment of persons with active TB and TB infection, especially foreign-born persons from areas with high TB rates that account for the greatest number of immigrants to the United States (9).

The occurrence of TB among foreign-born U.S. residents reflects the global nature of TB as a public health problem. TB-control activities aimed at reducing the incidence of TB cases in other parts of the world must be strengthened. Additional resources are needed for the successful implementation of DOT short course (DOTS) in those countries. DOTS is a strategy advocated by the Global Tuberculosis Program of the World Health Organization (WHO) and the International Union Against Tuberculosis and Lung Disease (IUATLD) to ensure detection of TB cases with appropriate diagnostic procedures, provision of an appropriately supervised course of TB therapy, establishment of a secure supply of essential anti-TB drugs, and establishment of a system of records and program assessment (10). CDC is collaborating with WHO, IUATLD, and the World Bank to implement and evaluate this strategy in anticipation of advances in the global effort to eliminate TB that will result in enhanced TB prevention and control in the United States.

References

- 1. CDC. Tuberculosis morbidity—United States, 1995. MMWR 1996;45:365-70.
- 2. CDC. A strategic plan for the elimination of tuberculosis in the United States. MMWR 1989;38(no. S-3).
- 3. CDC. Initial therapy for tuberculosis in the era of multidrug resistance: recommendations of the Advisory Council for the Elimination of Tuberculosis. MMWR 1993;42(no. RR-7).
- 4. Bass JB Jr, Farer LS, Hopewell PC, et al. Treatment of tuberculosis and tuberculosis infection in adults and children. Am J Respir Crit Care Med 1994;149:1359–74.
- 5. Frieden TR, Fujiwara PI, Washko RM, Hamburg MA. Tuberculosis in New York City: turning the tide. N Engl J Med 1995;333:229–33.
- 6. Chaulk CP, Moore-Rice K, Rizzo R, Chaisson RE. Eleven years of community-based directly observed therapy for tuberculosis. JAMA 1995;274:945–51.
- 7. Weis SE, Slocum PC, Blais FX, et al. The effect of directly observed therapy on the rates of drug resistance and relapse of tuberculosis. N Engl J Med 1994;330:1179–84.
- 8. CDC. Essential components of a tuberculosis prevention and control program: recommendations of the Advisory Council for the Elimination of Tuberculosis. MMWR 1995;44(no. RR-11).

- 9. McKenna MT, McCray E, Onorato I. The epidemiology of tuberculosis among foreign-born persons in the United States, 1986 to 1993. N Engl J Med 1995;332:1071–6.
- 10. Global Tuberculosis Programme, World Health Organization. Treatment of tuberculosis: guidelines for national programmes, 1997. 2nd ed. Geneva, Switzerland: World Health Organization, 1997; report no. WHO/TB/97.220.

As part of its commemoration of CDC's 50th anniversary, MMWR is reprinting selected MMWR articles of historical importance to public health, accompanied by current editorial notes. Reprinted below is a report published November 5, 1982, which was the first in MMWR to describe diarrheal illness attributable to Escherichia coli serotype O157:H7 infections.

Epidemiologic Notes and Reports

Isolation of *E. coli* O157:H7 from Sporadic Cases of Hemorrhagic Colitis — United States

Since the beginning of August 1982, stool isolates of *Escherichia coli* serotype O157:H7 have been identified at CDC from specimens obtained from four patients in two states. Three of four patients had an unusual bloody diarrheal illness; each illness began suddenly with severe crampy abdominal pain followed within 24 hours by watery diarrhea, which subsequently became markedly bloody. One patient underwent a laparotomy to rule out appendicitis. All patients recovered within 7 days without complications or specific therapy. In one instance, *E. coli* O157:H7 was isolated from the stool of a patient's spouse. This fourth patient had abdominal cramps and non-bloody diarrhea. Since early August, 25 additional sporadic cases of this unusual illness have been reported to CDC, but appropriately collected stool specimens were available in only two of these. *E. coli* O157:H7 was not isolated from either specimen. The four patients with sporadic cases in which *E. coli* was isolated from stools and 24 of the remaining 25 patients with sporadic cases had eaten hamburgers from a variety of sources (including homes and/or local or national-chain restaurants) within the week before they became ill.

Examination of stool samples from sporadic cases of this recently recognized diarrheal illness, currently designated "hemorrhagic colitis," began at CDC after *E. coli* O157:H7 was isolated from patients in two separate outbreaks of this illness earlier this year in Oregon and Michigan. Illness was associated with eating hamburgers at restaurants of one national chain.

Hemorrhagic colitis appears to be a distinct clinical entity, characterized by severe crampy abdominal pain, grossly bloody diarrhea, little or no fever, a characteristic barium-enema finding of marked edema involving the cecum, ascending and/or transverse colon, and the absence of usual pathogens in stool.

Reported by RR Uyeyama, MD, Good Samaritan Hospital, San Jose, SB Werner, MD, S Chin, MD, State Epidemiologist, California Dept of Health Svcs; SF Pearce, MD, CL Kollip, MD, Portland Adventist Medical Center, Portland, LP Williams, DVM, JA Googins, MD, State Epidemiologist, Oregon State Health Div; Enteric Diseases Br, Div of Bacterial Diseases, Center for Infectious Diseases, CDC.

Editorial Note: The diagnoses of hemorrhagic colitis are based on the typical clinical presentation and isolation of *E. coli* O157:H7 from the stool specimens. Early stool collection (within 4 days after onset of illness and before any antibiotic exposure) is crucial for detecting the *E. coli*, so physicians encountering typical cases need to ensure that stool samples are obtained and a portion held frozen (preferably at –70 C [–94 F] or on dry ice) while their laboratories perform routine examinations for *Salmonella*, *Shigella*, *Campylobacter*, *Yersinia*, and parasites. If these test results are negative, arrangements can be made through the state epidemiologist and state laboratory director to look for *E. coli* O157:H7 in the frozen specimen. Those state laboratories that do not have the antisera to identify *E. coli* O157:H7 may wish to send either the whole frozen stool or 10 picks (if possible) of *E. coli* colonies to CDC. This strain of *E. coli* O157:H7 does not ferment sorbitol, and this biochemical property may facilitate screening for this serotype. Further studies are under way at CDC to better characterize the epidemiology of hemorrhagic colitis, the reservoir of *E. coli* O157:H7, and serologic methods to confirm infection.

Epidemiologic investigation of the outbreaks showed that one source of *E. coli* O157:H7 is hamburger. Other enteric diseases, such as salmonellosis, have been reported following consumption of hamburger (1). Careful handling and adequate cooking of raw meat products should minimize or eliminate the risk of contracting infectious diseases from this source.

Reference

1. Fontaine RE, Arnon S, Martin WT, et al. Raw hamburger: an interstate common source of human salmonellosis. Am J Epidemiol 1978;107:36–45.

Editorial Note—1997:

A journey of a thousand miles must begin with a single step.
—Lao-Tzu, Chinese philosopher

This description of four persons with diarrheal illness attributable to E. coli O157:H7 was among the earliest published references to this pathogen and the first report of this problem to be published in MMWR. From this modest beginning, E. coli O157:H7, the most commonly identified member of a group of organisms that is now referred to as the Shiga toxin-producing E. coli (STEC), has become one of the bestknown emerging pathogens and one that is considered prototypic for the current paradigm of foodborne diseases in the United States (1). Over its 15-year history, E. coli O157:H7 has evolved as a major problem for primary-care practitioners, pediatric nephrologists, infectious-disease physicians, public health authorities, and those in the child-care setting and the food industry. In the process, the public health imperative to address this problem has influenced the careers of many of CDC's Epidemic Intelligence Service officers. For example, during a 2-year training assignment to the Washington State Department of Health, this author devoted a substantial amount of time investigating outbreaks attributed to this organism and systematically interviewing the hundreds of persons in that state with sporadic cases of E. coli O157:H7 infection (2).

As all successful public health practitioners and clinicians quickly learn, there is no better way to develop a feel for a disease and its risk factors than by talking to patients with the illness. In reading the *MMWR* article of 1982, it is striking to discover how many of the now classic features of *E. coli* O157:H7 infection could be identified in

those four initial patients—these features are typical of hemorrhagic colitis, including abdominal cramping and nonbloody diarrhea rapidly progressing to bloody diarrhea in the absence of prominent fever. In addition, the report notes the occurrence of nonbloody, culture-confirmed disease; the suggestion of person-to-person transmission (which was subsequently confirmed); the great potential for misdiagnosis and inappropriate clinical procedures (in this case laparotomy); and spontaneous recovery without specific therapy, obviating the need for antimicrobial agents (3). The report also highlights another critical issue—the failure to collect appropriate specimens to diagnose this and other enteric pathogens. Even today, with the increasingly high profile of this disease, clinicians often fail to consider the diagnosis of *E. coli* O157:H7 or to collect appropriate specimens, and laboratories often fail to use necessary screening techniques for its identification.

However, one element of this disease was not mentioned in the 1982 report. None of the four patients developed hemolytic uremic syndrome (HUS) nor was it mentioned as a potential complicating factor. HUS is now recognized to occur in 5%-10% of reported cases of E. coli O157:H7; it occurs most commonly in patients with this disease who are aged <5 years (3). Remarkably, the outbreaks in Oregon and Michigan early in 1982, which led to the initial identification of E. coli O157:H7, are among the only ones recognized in which none of the case-patients developed HUS, probably because few of the illnesses occurred in children (4). It was not until the following year that the association between E. coli O157:H7 and HUS was first reported (5,6). However, two outbreaks of HUS had occurred earlier in North America before this association was recognized, including one in 1980 outside of Toronto in association with apple juice (7) and one in 1982 in Sacramento (8). The history of this problem highlights the need for rapid reporting and thorough evaluation of clusters of unknown etiology. These two outbreaks probably were due to infections with E. coli O157:H7, because in North America, most cases of HUS—the most common cause of acute renal failure of childhood—are associated with this infection (9). The combination of the severity of the clinical syndrome, the frequency of severe complications, and the lack of specific therapeutic interventions account for the perception of E. coli O157:H7 as one of the most feared emerging pathogens.

The initial outbreaks of *E. coli* O157:H7 were associated with two outlets of the same fast-food chain, and illness was linked to undercooked hamburgers. The *MMWR* report mentioned that most of the persons with sporadic hemorrhagic colitis had eaten hamburgers from a variety of sources. Since this report, many other *E. coli* O157:H7 outbreaks, including a large outbreak in 1993 in the Pacific Northwest (10), have been linked to ground beef. Although cattle are known to be a major reservoir for this pathogen, the ecology of the organism in animals is poorly understood.

However, accumulating experience has established a diversity of sources for *E. coli* O157:H7, including apple juice and cider, raw vegetables such as lettuce, raw milk, and processed foods such as salami (1). Some recent outbreaks have been related to low-level contamination of widely dispersed products, which are more available as a result of advances in the food production and distribution industry. In such instances, outbreaks are marked by small numbers of cases occurring over wide geographic areas. These outbreaks are difficult to detect and investigate. Expanded use of subtyping methods, such as pulsed-field gel electrophoresis for seemingly sporadic cases of *E. coli* O157:H7, will increase the likelihood of detecting diffuse outbreaks (11). Al-

though this will expand knowledge of this pathogen, investigation of such outbreaks is likely to further strain health department resources.

Despite the substantial gains in knowledge about E. coli O157:H7 since its recognition 15 years ago, many fundamental guestions and concerns remain. For example, the reasons for the original emergence of this pathogen and for its geographic spread are not known. In recent years, the organism has become a global health problem; in 1996 alone, major outbreaks were reported in Germany and Scotland, and the largest recognized outbreak, affecting approximately 5000 persons, occurred in Japan (12). How frequent is this infection? In a recent study of 10 hospitals from all U.S. regions, E. coli O157:H7 was the second or third most commonly isolated bacterial enteric pathogen in four hospitals, and its overall isolation rate was more than one third of that for Shigella sp. (13). However, despite its frequency and the availability of inexpensive commercial tests for screening and identification, by the end of 1994 only approximately 50% of U.S. clinical laboratories were screening either all stools or bloody stools for E. coli O157:H7 (14). Because misdiagnosis can lead to unnecessary therapies and procedures and because person-to-person spread is not uncommon, stool specimens from all patients with a history of acute bloody diarrhea should be cultured for this pathogen (13).

Other issues that need to be addressed include 1) determining the public health importance in North America of other STEC—STEC have been recognized as the cause of two outbreaks in the United States and appear to be more common than *E. coli* O157:H7 in other parts of the world, such as Argentina and Australia; 2) deciding whether laboratory screening approaches in the United States should be changed to identify other STEC; 3) determining why some persons develop HUS after STEC infection and others do not, and whether there is any secondary prevention for this complication; 4) identifying the best primary prevention strategy; and 5) estimating the extent to which measures such as Hazard Analysis Control Critical Point work to reduce the threat of *E. coli* O157:H7 to the food supply, and what other measures might be necessary. Efforts to address these and other questions are included in the President's Food Safety Initiative, which was issued in May 1997 (15). Such efforts are critical to enhance understanding of *E. coli* O157:H7, other known foodborne pathogens, and as yet undiscovered pathogens that will constitute the foodborne challenges of the future.

1997 Editorial Note by Stephen M Ostroff, MD, Associate Director for Epidemiologic Science, National Center for Infectious Diseases, CDC.

References

- 1. Armstrong GL, Hollingsworth J, Morris JG Jr. Emerging foodborne pathogens: *Escherichia coli* O157:H7 as a model of entry of a new pathogen into the food supply of the developed world. Epidemiol Rev 1996;18:29–51.
- 2. Ostroff SM, Kobayashi JM, Lewis JH. Infections with *Escherichia coli* O157:H7 in Washington state: the first year of statewide disease surveillance. JAMA 1989;262:355–9.
- 3. Griffin PM, Tauxe RV. The epidemiology of infections caused by *Escherichia coli* O157:H7, other enterohemorrhagic *E. coli*, and the associated hemolytic uremic syndrome. Epidemiol Rev 1991;13:60–98.
- 4. Riley LW, Remis RS, Helgerson SD, et al. Hemorrhagic colitis associated with a rare *Escherichia coli* serotype. N Engl J Med 1983;308:681–5.
- Karmali MA, Steele BT, Petric M, Lim C. Sporadic cases of haemolytic-uraemic syndrome associated with faecal cytotoxin and cytotoxin-producing *Escherichia coli* in stools. Lancet 1983;1:619–20.

- Karmali MA, Petric M, Lim C, Fleming PC, Arbus GS, Lior H. The association between idiopathic hemolytic uremic syndrome and infection by verotoxin-producing *Escherichia coli*. J Infect Dis 1985;151:775–82.
- 7. Steele BT, Murphy N, Arbus GS, Rance CP. An outbreak of hemolytic uremic syndrome associated with ingestion of fresh apple juice. J Pediatr 1982;101:963–5.
- 8. Rogers MF, Budnick LD, Kirson I, et al. Hemolytic-uremic syndrome—an outbreak in Sacramento, California. West J Med 1986;144:169–73.
- 9. Boyce TG, Swerdlow DL, Griffin PM. Escherichia coli O157:H7 and the hemolytic-uremic syndrome. N Engl J Med 1995:333:364–8.
- Bell BP, Goldoft M, Griffin PM, et al. A multistate outbreak of *Escherichia coli* O157:H7associated bloody diarrhea and hemolytic uremic syndrome from hamburgers: the Washington experience. JAMA 1994;272:1349–53.
- 11. Stephenson J. New approaches for detecting and curtailing foodborne microbial infections. JAMA 1997;277:1337,1339–40.
- 12. Izumiya H, Terajima J, Wada A, et al. Molecular typing of enterohemorrhagic *Escherichia coli* O157:H7 isolates in Japan by using pulsed-field gel electrophoresis. J Clin Microbiol 1997;35:1675–80.
- 13. Slutsker L, Ries AA, Greene KD, Wells JG, Hutwagner L, Griffin PM. *Escherichia coli* O157:H7 diarrhea in the United States: clinical and epidemiologic features. Ann Intern Med 1997;126:505–13.
- 14. Boyce TG, Pemberton AG, Wells JG, Griffin PM. Screening for *Escherichia coli* O157:H7—a nationwide survey of clinical laboratories. J Clin Microbiol 1995;33:3275–7.
- 15. US Environmental Protection Agency/US Department of Health and Human Services/US Department of Agriculture. Food safety from farm to table: a national food-safety initiative. Washington, DC: US Environmental Protection Agency/US Department of Health and Human Services/US Department of Agriculture, 1997.

Notice to Readers

Final 1996 Reports of Notifiable Diseases

The notifiable diseases tables on pages 714–719 summarize final data for 1996. These data, final as of July 25, 1997, will be published in more detail in the *Summary of Notifiable Diseases*, *United States*, 1996 (1).

Because no cases of anthrax were reported in the United States during 1996, this nationally notifiable disease does not appear in these tables. Population estimates for the states are from the July 1, 1996, estimates by the U.S. Bureau of the Census, Population Division, Population Branch, press release CB97-39. Population estimates for territories are from the 1990 census, U.S. Bureau of the Census, press releases CB91-142, 242, 243, 263, and 276.

Reference

1. CDC. Summary of notifiable diseases, United States, 1996. MMWR 1997;45(no. 53)(in press).

Notice to Readers

Epidemiology in Action Course

CDC and Emory University will cosponsor an applied epidemiology course designed for practicing state and local health department professionals. This course, "Epidemiology in Action," will be held at CDC during November 10–21, 1997. The course emphasizes the practical application of epidemiology to public health problems and will consist of lectures, workshops, classroom exercises (including actual epidemiologic problems), roundtable discussions, and a telephone survey. Topics covered include descriptive epidemiology and biostatistics, analytic epidemiology, epidemic investigations, public health surveillance, surveys and sampling, computers and Epi Info software training, and discussions of selected prevalent diseases. There is a tuition charge.

Deadline for application is September 15, 1997. Additional information and applications are available from Department PSB, Rollins School of Public Health, Emory University, 7th floor, 1518 Clifton Road, N.E., Atlanta GA 30322; telephone (404) 727-3485; fax (404) 727-4590; email ogostan@sph.emory.edu.

Notice to Readers

Epidemiology in Action: Intermediate Methods Course

CDC and Emory University will cosponsor a course, "Epidemiology in Action: Intermediate Methods," during November 7–11, 1997, at CDC. The course will review the fundamentals of descriptive epidemiology and biostatistics, analytic epidemiology, and Epi Info software, but will focus on mid-level epidemiologic methods directed at strengthening participants' quantitative skills, with an emphasis on up-to-date data analysis. Topics include advanced measures of association, normal and binomial distributions, logistical regression, field investigations, and summary of statistical methods. Prerequisite is an introductory course in epidemiology, such as "Epidemiology in Action," or any other introductory class. There is a tuition charge.

Deadline for application is August 31, 1997. Additional information and applications are available from Department PSB, Rollins School of Public Health, Emory University, 7th floor, 1518 Clifton Road, N.E., Atlanta GA 30322; telephone (404) 727-3485; fax (404) 727-4590; email ogostan@sph.emory.edu.

Erratum: Vol. 46, No. 22

In the article "Suicide—Washington, 1980–1995," an error appears on page 503 in Table 1. The p value for the "Total" line for persons aged 15–24 years is 0.02 but should have been 0.2.

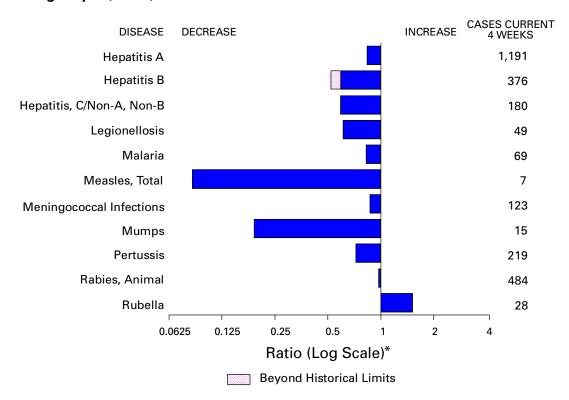
Erratum: Vol. 46, No. 14

In the article "Human Monkeypox—Kasai Oriental, Zaire, 1996–1997," on page 307, in the last line of the first full paragraph, the age group is incorrect. The end of the sentence should read "... and the higher proportion of case-patients aged >15 years."

Erratum: Vol. 46, No. RR-7

The MMWR Recommendations and Reports, "Pertussis Vaccination: Use of Acellular Pertussis Vaccines Among Infants and Young Children—Recommendations of the Advisory Committee on Immunization Practices (ACIP)," contained an error. On page 5, Table 1 provides incorrect information about the antigenic content of the vaccine manufactured by Connaught (US)/BIKEN (Tripedia®). Each dose of Tripedia® contains 23.4 µg of filamentous hemagglutinin (FHA) in addition to 23.4 µg of inactivated pertussis toxin (PT). Tripedia® contains no pertactin (Pn).

FIGURE I. Selected notifiable disease reports, comparison of provisional 4-week totals ending July 26, 1997, with historical data — United States



^{*}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 — provisional cases of selected notifiable diseases, United States, cumulative, week ending July 26, 1997 (30th Week)

	Cum. 1997		Cum. 1997
Anthrax Brucellosis Cholera Congenital rubella syndrome Cryptosporidiosis* Diphtheria Encephalitis: California* eastern equine* St. Louis* western equine* Hansen Disease Hantavirus pulmonary syndrome*† Hemolytic uremic syndrome, post-diarrheal* HIV infection, pediatric*	32 3 2 721 5 5 1 1 1 53 10 23	Plague Poliomyelitis, paralytic Psittacosis Rabies, human Rocky Mountain spotted fever (RMSF) Streptococcal disease, invasive Group A Streptococcal toxic-shock syndrome* Syphilis, congenital Tetanus Toxic-shock syndrome Trichinosis Typhoid fever Yellow fever	1 21 2 153 934 23 189 25 69 3

^{-:}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). Supdated monthly to the Division of HIV/AIDS Prevention–Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP), last update June 24, 1997.

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

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending July 26, 1997, and July 27, 1996 (30th Week)

						erichia 157:H7			Нера	atitis
	AII			mydia	NETSS [†]	PHLIS [§]	Gono		C/N/	A,NB
Reporting Area	Cum. 1997*	Cum. 1996	Cum. 1997	Cum. 1996	Cum. 1997	Cum. 1997	Cum. 1997	Cum. 1996	Cum. 1997	Cum. 1996
UNITED STATES	30,463	37,634	234,600	233,270	989	544	147,787	171,688	1,725	2,044
NEW ENGLAND Maine	1,277 28	1,561 29	9,571 568	9,718 512	84 8	39	3,227 33	3,578 27	40	58
N.H.	26 17	50	432	410	6	3	61	27 84	8	5
Vt. Mass.	23 467	14 739	223 4.086	247 3,761	4 53	1 35	30 1,287	34 1,210	1 24	16 32
R.I.	85	94	1,091	1,158	2	-	250	292	7	5
Conn.	657	635	3,171	3,630	11	-	1,566	1,931	-	-
MID. ATLANTIC Upstate N.Y.	9,745 1,645	9,896 1,271	32,405 N	37,777 N	52 34	14 4	19,232 3,005	23,592 4,167	196 153	174 139
N.Y. City	4,978	5,322	16,336	20,403	8 10	- 8	7,287	9,200	-	3
N.J. Pa.	1,973 1,149	1,939 1,364	5,255 10,814	7,111 10,263	N	2	3,889 5,051	4,495 5,730	43	32
E.N. CENTRAL	2,041	3,127	33,723	49,501	201	89	20,903	32,602	311	298
Ohio Ind.	396 361	662 390	6,875 5,046	11,743 5,445	45 34	19 10	4,671 3,371	8,336 3,561	11 9	18 7
III.	765	1,396	6,188	13,945	40	_	3,020	9,414	40	58
Mich. Wis.	386 133	521 158	10,649 4,965	12,287 6,081	82 N	49 11	7,734 2,107	8,541 2,750	251 -	215
W.N. CENTRAL	565	844	13,343	17,843	197	137	6,431	8,382	97	56
Minn.	101 70	168 63	. U	3,128	99 28	96 9	704	1,381 604	3 20	1 26
lowa Mo.	237	398	2,571 6,488	2,321 7,412	26 27	22	4,359	4,842	63	26 14
N. Dak. S. Dak.	7 4	11 8	473 720	548 732	8 11	5 -	35 78	15 103	2	-
Nebr.	61	55	1,041	1,113	15	-	394	241	2	5
Kans.	85	141	2,050	2,589	9	5	861	1,196	7	10
S. ATLANTIC Del.	7,504 144	9,378 189	52,099 1,276	29,195 1,148	107 3	47 3	49,378 669	54,503 816	175 -	103
Md.	950	1,133	4,005	Ú	11	3	7,472	5,647	10	2
D.C. Va.	538 651	617 580	N 6,647	N 6,241	N	- 18	1,887 4,570	2,566 5,431	- 18	8
W. Va.	57	73	1,675	1,131	N	-	535	385	12	7
N.C. S.C.	428 410	536 476	10,663 7,119	U U	31 2	18 2	10,252 6,387	10,819 6,309	33 27	30 16
Ga. Fla.	965 3,361	1,410 4,364	7,271 13,443	7,122 13,553	26 33	3	7,988 9,618	12,288 10,242	U 75	40
E.S. CENTRAL	1,022	1,282	18,763	17,210	56	26	18,630	18,214	212	369
Ky.	177	208	3,760	3,867	18	-	2,383	2,325	10	21
Tenn. Ala.	418 237	474 364	7,360 4,652	7,517 4,680	29 6	26	6,112 6,577	6,478 7,490	146 6	283 2
Miss.	190	236	2,991	1,146	3	-	3,558	1,921	50	63
W.S. CENTRAL Ark.	3,187 120	3,916 169	29,648 735	15,219 1,023	28 4	5 1	18,874 1,568	12,921 2,418	199	205 4
La.	545	889	5,106	3,891	4	3	4,782	4,166	121	117
Okla. Tex.	166 2,356	166 2,692	4,234 19,573	4,341 5,964	2 18	1	2,657 9,867	2,696 3,641	5 73	1 83
MOUNTAIN	881	1,177	13,183	14,338	117	71	4,128	4,518	228	355
Mont.	22	22	498	720	10	-	20	15	12	10
Wyo.	28 13	25 3	806 309	882 3 6 8	15 5	8 -	62 28	60 20	32 97	88 112
Colo. N. Mex.	210 79	333 111	1,896 1,949	1,129 2,368	54 5	39 4	1,209 671	1,049 483	24 32	33 42
Ariz.	227	339	5,427	6,340	N	14	1,607	2,179	23	40
Utah Nev.	68 234	106 238	935 1,363	825 1,706	25 3	6	137 394	161 551	3 5	13 17
PACIFIC	4,241	6,452	31,865	42,469	147	113	6,984	13,378	267	426
Wash.	380	444	5,162	5,709	27	22	1,096	1,239	17	35
Oreg. Calif.	162 3,643	293 5,579	2,312 22,672	3,154 31,962	46 67	54 31	358 5,042	459 11,152	4 160	6 261
Alaska Hawaii	22 34	14 122	799 920	629 1,015	7 N	1 5	221 267	252 276	- 86	2 122
Guam	2	4	31	234	N	-	3	40	-	6
P.R.	1,021	1,047	U	U	25	U	367	365	64	105
V.I. Amer. Samoa	52 -	14 -	N -	N -	N N	U U	-	-	-	-
C.N.M.I.	1	-	N	N	N	Ü	16	11	2	-

N: Not notifiable U: Unavailable

^{-:} no reported cases

C.N.M.I.: Commonwealth of Northern Mariana Islands

^{*}Updated monthly to the Division of HIV/AIDS Prevention—Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention, last update June 24, 1997.

†National Electronic Telecommunications System for Surveillance.

§Public Health Laboratory Information System.

TABLE II. (Cont'd.) Provisional cases of selected notifiable diseases, United States, weeks ending July 26, 1997, and July 27, 1996 (30th Week)

	1	-	Lyi	ne Lo, 10	707, 411	a oary	Syn	hilis				
	Legion	ellosis	Dise			aria		Secondary)	Tubero	ulosis	Rabies, Animal	
Reporting Area	Cum. 1997	Cum. 1996	Cum. 1997	Cum. 1996	Cum. 1997	Cum. 1996	Cum. 1997	Cum. 1996	Cum. 1997	Cum. 1996	Cum. 1997	
UNITED STATES	465	448	2,549	5,261	814	771	4,472	6,570	9,327	10,726	4,146	
NEW ENGLAND	33	22	517	1,333	38	31	92	97	240	244	614	
Maine N.H.	1 3	1 -	7 7	11 18	1 1	6 1	-	1	11 9	16 8	127 23	
Vt. Mass.	6 9	3 12	3 100	10 64	2 15	2 11	- 44	42	3 142	1 108	90 132	
R.I.	5	6	123	183	5	3	2	1	17	24	11	
Conn. MID. ATLANTIC	9 82	N 103	277 1,511	1,047 3,216	14 206	8 240	46 218	53 292	58 1,741	87 1,895	231 870	
Upstate N.Y.	20	28	456	1,469	37	46	19	45	226	213	646	
N.Y. City N.J.	3 12	8 9	20 418	193 723	112 43	136 42	46 88	91 100	906 354	1,011 402	95	
Pa.	47	58	617	831	14	16	65	56	255	269	129	
E.N. CENTRAL Ohio	147 73	152 51	42 27	235 13	76 12	97 8	367 111	1,077 410	917 176	1,126 165	86 61	
Ind. III.	27 5	35 20	13 2	13 7	7 27	7 49	85 3 8	139 299	79 439	105 615	7 6	
Mich.	36	28	-	-	24	21	72	109	157	184	11	
Wis. W.N. CENTRAL	6 42	18 23	U 36	202 76	6 30	12 20	61 86	120 221	66 294	57 281	1 275	
Minn.	1	2	23	13	10	5	U	26	78	66	28	
lowa Mo.	12 11	3 5	3 7	12 29	9 6	2 8	6 56	15 157	34 122	39 114	96 11	
N. Dak. S. Dak.	2 2	2	-	-	2	-	-	-	6 7	3 14	39 40	
Nebr.	10	9	2	1	1	2	3	8	12	13	1	
Kans.	4	2	1	21	2 172	3	21	15	35 1.056	32	60 1.762	
S. ATLANTIC Del.	70 6	61 8	299 27	247 100	173 2	119 2	1,876 15	2,202 23	1,856 11	1,958 27	1,762 40	
Md. D.C.	17 3	7 6	207 7	80 1	50 9	31 7	520 50	387 87	178 58	167 80	323 3	
Va. W. Va.	12 N	12 N	16 1	19 7	39	21 2	148 3	252 2	165 30	178 33	349 51	
N.C.	8	6	20	31	8	11	420	605	227	269	533	
S.C. Ga.	3	4 2	1 1	3 1	10 16	8 14	222 317	237 382	193 345	203 382	99 184	
Fla.	21	16	19	5	39	23	181	227	649	619	180	
E.S. CENTRAL Ky.	30 4	26 2	40 4	46 15	16 4	19 4	1,007 87	1,501 79	660 107	826 143	147 19	
Tenn.	20	12	21 4	15	4	8	449	499	228	287	85	
Ala. Miss.	2 4	2 10	11	3 13	5 3	4	267 204	316 607	231 94	255 141	43 -	
W.S. CENTRAL	8	4	26	56	7	16	617	726	1,240	1,299	173	
Ark. La.	2	1 -	7 2	19 1	2 5	2	67 219	158 316	118 -	116 7	27 2	
Okla. Tex.	3 3	3	5 12	3 33	-	- 14	70 261	114 138	107 1,015	100 1,076	67 77	
MOUNTAIN	26	26	9	4	46	31	87	87	296	355	80	
Mont. Idaho	1 2	1 -	2	-	2	3 -	-	2	7 8	14 5	22	
Wyo. Colo.	1 8	3 7	2	3	2 23	3 14	4	2 24	2 57	3 49	19	
N. Mex.	1	1	-	-	6	1	8	4	16	56	7	
Ariz. Utah	7 5	7 2	1 -	1	7 3	4 4	65 3	46 2	147 13	131 34	30	
Nev.	1	5	1	-	3	2	7	7	46	63	2	
PACIFIC Wash.	27 6	31 3	69 2	48 4	222 9	198 11	122 7	367 7	2,083 128	2,742 150	139 -	
Oreg. Calif.	20	26	10 57	12 31	11 197	14 166	5 108	4 354	95 1,716	100 2,336	5 115	
Alaska	-	1	-	-	3	2	1	-	48	50	19	
Hawaii Guam	1	1 1	-	1	2	5	1	2	96 5	106 55	-	
P.R.	-	-	-	-	3	1	145	135	129	105	37	
V.I. Amer. Samoa	-	-	-	-	-	-	-	-	-	-	-	
C.N.M.I.	-	-	-	-	-	-	9	1	2	-	-	

N: Not notifiable

U: Unavailable

-: no reported cases

TABLE III. Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending July 26, 1997, and July 27, 1996 (30th Week)

-	H. influ	ienzae,	Hepatitis (Viral), by type						Meas	les (Rubec	ola)	
		sive	-	4		3	Indi	genous	lmp	orted [†]		tal
Reporting Area	Cum. 1997*	Cum. 1996	Cum. 1997	Cum. 1996	Cum. 1997	Cum. 1996	1997	Cum. 1997	1997	Cum. 1997	Cum. 1997	Cum. 1996
UNITED STATES	654	682	15,037	15,657	4,783	5,504	-	51	1	29	80	316
NEW ENGLAND	36	21	375	184	89	123	-	9	-	3	12	11
Maine N.H.	3 5	10	45 21	12 8	6 6	2 8	-	1	-	-	1	-
Vt. Mass.	3 22	10	7 139	4 94	5 34	10 40	-	8	-	2	10	1 9
R.I. Conn.	2 1	1	88 75	8 58	10 28	6 57	-	-	-	- 1	1	1
MID. ATLANTIC	73	141	1,140	1,052	702	871	-	12	-	5	17	29
Upstate N.Y. N.Y. City	14 20	35 36	163 432	233 328	152 245	207 310	-	2 4	-	3	5 5	6 10
N.J.	29	37	184	220	136	175	-	1	-	-	1	2
Pa. E.N. CENTRAL	10 108	33 118	361 1,494	271 1,421	169 509	179 637	-	5 5	-	1 3	6 8	11 16
Ohio	62	66	210	521	50	79	-	-	-	-	-	2
Ind. III.	11 24	7 32	180 317	180 354	61 120	83 190	-	5	-	1	6	3
Mich. Wis.	10 1	8 5	701 86	246 120	261 17	227 58	-	-	-	2	2	2 9
W.N. CENTRAL	33	25	1,193	1,237	303	281	-	9	1	3	12	17
Minn. Iowa	23 3	13 3	110 212	69 218	23 30	31 37	-	-	1 -	3	3	15 -
Mo. N. Dak.	3	6	619 10	636 28	219 2	169	-	1	-	-	1	1
S. Dak.	2	1	14	39	-	2	-	8	-	-	8	-
Nebr. Kans.	1 1	1 1	56 172	86 161	9 20	20 22	-	-	-	-	-	1
S. ATLANTIC	117	126	969	617	703	735	-	2	-	7	9	6
Del. Md.	46	2 41	19 150	8 112	4 107	6 95	-	-	-	2	2	1 1
D.C. Va.	2 7	5 6	15 118	19 89	24 77	26 87	-	-	-	1 1	1 1	2
W. Va. N.C.	3 17	6 20	6 116	12 80	9 134	14 213	-	-	-	1	1	-
S.C.	4	4	68	31	62	48	-	-	-	-	-	-
Ga. Fla.	22 16	30 12	196 281	48 218	64 222	8 238	-	2	-	1 1	1 3	1 1
E.S. CENTRAL	35	20	373	863	395	476	-	-	-	-	-	-
Ky. Tenn.	4 23	5 8	47 237	22 583	25 261	43 266	-	-	-	-	-	-
Ala. Miss.	8 -	6 1	54 35	118 140	41 68	40 127	Ū	-	Ū	-	-	-
W.S. CENTRAL	35	29	2,968	3,063	564	673	-	3	-	1	4	16
Ark. La.	1 7	3	150 119	277 90	33 83	50 66	-	-	-	-	-	-
Okla. Tex.	22 5	23 3	958 1,741	1,290 1,406	24 424	24 533	-	3	-	- 1	- 4	- 16
MOUNTAIN	66	33	2,375	2,552	516	656	_	5	_	-	5	88
Mont. Idaho	- 1	1	54 81	76 144	6 16	7 65	-	-	-	-	-	- 1
Wyo.	2 9	- 7	20 260	25	21 101	25 70	-	-	-	-	-	- 7
Colo. N. Mex.	8	8	196	243 269	175	225	-	-	-	-	-	8
Ariz. Utah	27 3	12 5	1,248 370	980 578	117 57	153 63	Ū	5 -	Ū	-	5 -	8 59
Nev.	16	-	146	237	23	48	U	-	U	-	-	5
PACIFIC Wash.	151 2	169 2	4,150 305	4,668 319	1,002 47	1,052 57	-	6	-	7 -	13 -	133 37
Oreg. Calif.	23 117	22 139	218 3,527	586 3,680	64 869	66 915	-	3	-	- 7	- 10	7 24
Alaska	3 6	4	24 76	30	14 8	6	-	3	-	-	-	63
Hawaii Guam	-	2	-	53 6	8 1	-	- U	- -	- U	-	3 -	2
P.R. V.I.	-	1	189	119 26	840	560 25	Ū	-	Ū	-	-	2
Amer. Samoa	- -	-	-	-	-	-	U	-	U	-	-	-
C.N.M.I.	5	10	1	1	26	5	U	1	U	-	1	-

N: Not notifiable

U: Unavailable

^{-:} no reported cases

 $^{^{*}}$ Of 143 cases among children aged <5 years, serotype was reported for 78 and of those, 31 were type b. † For imported measles, cases include only those resulting from importation from other countries.

TABLE III. (Cont'd.) Provisional cases of selected notifiable diseases preventable by vaccination, United States, weeks ending July 26, 1997, and July 27, 1996 (30th Week)

	Meningococcal Meningococcal										
	Dise	ease		Mumps			Pertussis			Rubella	
Reporting Area	Cum. 1997	Cum. 1996	1997	Cum. 1997	Cum. 1996	1997	Cum. 1997	Cum. 1996	1997	Cum. 1997	Cum. 1996
UNITED STATES	2,114	2,084	3	341	412	45	2,770	2,262	1	97	199
NEW ENGLAND	134	89	-	7	1	1	555	479	-	-	24
Maine N.H.	15 13	10 3	-	-	-	-	6 66	18 40	-	-	-
Vt. Mass.	2 68	3 33	-	2	- 1	- 1	178 282	13 403	-	-	2 20
R.I.	11	10	-	4	-	-	12	-	-	-	-
Conn. MID. ATLANTIC	25 189	30 229	- 1	1 31	- 56	-	11 179	5 145	-	3	2 8
Upstate N.Y.	50	57	-	6	17	-	56	71	-	1	4
N.Y. City N.J.	34 42	35 49	-	-	13 2	-	40 5	22 7	-	2	2 2
Pa.	63	88	1	25	24	-	78	45	-	-	-
E.N. CENTRAL Ohio	302 117	300 108	2	40 18	88 28	9 3	211 88	290 93	-	4	3 -
Ind. III.	34 91	44 84	2	6 7	5 17	2 4	35 34	19 64	-	- 1	- 1
Mich.	36	31	-	9	37	-	31	26	-	-	2
Wis. W.N. CENTRAL	24 159	33 166	-	- 13	1 8	- 14	23 179	88 85	-	3	-
Minn.	24	22	-	5	3	11	119	55	-	-	-
lowa Mo.	37 74	35 62	-	6	2	1 2	19 27	3 15	-	-	-
N. Dak. S. Dak.	1 4	3 9	-	-	2	-	2 3	1 2	-	-	-
Nebr.	5	15	-	2	-	-	4	3	-	-	-
Kans. S. ATLANTIC	14 383	20 323	-	- 48	1 60	9	5 280	6 222	1	- 61	- 89
Del.	5	2	-	-	-	-	-	14	-	-	-
Md. D.C.	35 1	36 4	-	4	20	-	82 3	78 -	-	-	1
Va. W. Va.	35 14	35 13	-	7	8	-	32 5	26 2	-	1	2
N.C.	72 44	55 41	-	7	11	7	80	34	1	50	75
S.C. Ga.	73	96	-	10 5	5 2	-	11 9	17 13	-	9 -	1 -
Fla.	104	41	-	15	14	2	58	38	-	1	10
E.S. CENTRAL Ky.	163 37	144 20	-	16 3	16 -	1 -	63 15	158 129	-	-	2
Tenn. Ala.	64 46	44 44	-	3 6	1 3	1 -	25 15	15 8	-	-	2
Miss.	16	36	U	4	12	U	8	6	U	-	N
W.S. CENTRAL Ark.	205 25	231 27	-	34	30 1	3	70 12	74 2	-	4	7
La.	42	44	-	11	11	-	12	6	-	-	1
Okla. Tex.	24 114	23 137	-	23	18	2 1	14 32	7 59	-	4	6
MOUNTAIN	121	123	-	45	18	6	767	222	-	5	6
Mont. Idaho	8 8	6 19	-	2	-	3	10 520	12 65	-	1	2
Wyo. Colo.	1 34	3 19	-	1 3	3	3	5 164	2 59	-	-	2
N. Mex.	20	21	N	N	N	-	38	34	-	- 4	- 1
Ariz. Utah	33 11	30 12	Ū	31 6	1 3	U	19 9	12 10	U	-	-
Nev.	6	13	U	2	11	U	2	28	U	-	1
PACIFIC Wash.	458 56	479 63	-	107 13	135 18	2 2	466 212	587 214	-	20 5	60 12
Oreg. Calif.	93 306	82 326	N -	N 82	N 97	-	18 227	34 324	-	8	1 44
Alaska	1	5	-	2	2	-	2 7	1	-	- 7	-
Hawaii Guam	2	3 4	- U	10 1	18 4	- U	-	14 -	- U	-	3 -
P.R.	9	10	-	5	1	-	-	2	-	-	-
V.I. Amer. Samoa	-	-	U U	-	1 -	U U	-	-	U U	-	-
C.N.M.I.	-	-	U	4	-	U	-	-	U	-	-

N: Not notifiable

U: Unavailable

TABLE IV. Deaths in 122 U.S. cities,* week ending July 26, 1997 (30th Week)

	-	All Cau	ises, By	/ Age (Y	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 Boston, Mass. Bridgeport, Conn. Cambridge, Mass. Fall River, Mass. Hartford, Conn. Lowell, Mass. Lynn, Mass. New Bedford, Mass. New Haven, Conn. Providence, R.I. Somerville, Mass.	42 61 4 34	346 91 21 10 27 U 28 6 21 23 44 1	25 4 3 2 U 3 1 3 11 13 2 8	35 12 3 3 2 0 - 1 5 3 1 - 2	17 8 1 - - - 3 2	6 2 1 - - - - 1 1 -	24 25 1 · U 3 · · 42 3	S. ATLANTIC Atlanta, Ga. Baltimore, Md. Charlotte, N.C. Jacksonville, Fla. Miami, Fla. Norfolk, Va. Richmond, Va. Savannah, Ga. St. Petersburg, Fla. Tampa, Fla. Washington, D.C. Wilmington, Del.	1,168 184 236 95 113 U 57 71 50 77 149 114	738 112 124 61 83 U 38 44 37 55 104 59 21	214 30 56 15 18 U 10 17 8 13 19 27	146 28 41 10 8 U 5 7 4 7 17	46 8 10 6 2 U 3 2 1 1 7 6	24 6 5 3 2 U 1 1 1 2 3	65 3 21 9 U 5 4 4 4 12 3
Waterbury, Conn. Worcester, Mass. MID. ATLANTIC Albany, N.Y. Allentown, Pa. Buffalo, N.Y. Camden, N.J. Elizabeth, N.J. Erie, Pa.	21 46 2,001 48 22 U 34 18 49	14 34 1,345 33 17 U 24 14 36	6 396 8 3 U 4 1 9	2 3 176 2 2 U 3 1	1 2 50 3 U 2 1	1 34 2 - U 1 1	1 98 3 - U 2	E.S. CENTRAL Birmingham, Ala. Chattanooga, Tenn. Knoxville, Tenn. Lexington, Ky. Memphis, Tenn. Mobile, Ala. Montgomery, Ala. Nashville, Tenn.	871 169 85 89 69 190 88 44 137	588 122 66 64 46 122 61 32 75	166 29 10 19 14 36 13 9 36	59 9 4 2 6 18 5 1	34 5 4 2 1 9 4 2 7	23 3 1 2 2 5 5	54 13 7 11 9 11 1
Jersey City, N.J. New York City, N.Y. Newark, N.J. Paterson, N.J. Philadelphia, Pa. Pittsburgh, Pa.§ Reading, Pa. Rochester, N.Y. Schenectady, N.Y. Scranton, Pa. Syracuse, N.Y. Trenton, N.J. Utica, N.Y. Yonkers, N.Y.	42 1,019 42 16 300 44 6 148 24 35 82 34 21	20 683 16 9 196 28 5 105 14 28 66 22 12	201 12 4 59 8 1 33 8 5 11 7	4 95 9 3 29 5 - 8 2 2 2 4 1 1	1 22 2 - 12 2 - 1 - 2 - 1	1 18 3 - 4 1 - - 1 1 1	1 39 1 21 1 1 1 2 7 3	W.S. CENTRAL Austin, Tex. Baton Rouge, La. Corpus Christi, Tex. Dallas, Tex. El Paso, Tex. Ft. Worth, Tex. Houston, Tex. Little Rock, Ark. New Orleans, La. San Antonio, Tex. Shreveport, La. Tulsa, Okla.	1,558 57 53 57 185 81 122 387 69 107 230 81 129	998 36 32 41 119 62 83 218 47 57 157 54	333 13 15 12 37 9 20 96 12 25 51 20 23	136 7 1 15 4 10 51 6 15 12 6 8	47 1 2 2 8 4 14 2 4 3 1 2	44 3 1 6 2 5 8 2 6 7	79 3 1 5 6 - 3 24 5 - 17 4 11
E.N. CENTRAL Akron, Ohio Canton, Ohio Chicago, III. Cincinnati, Ohio Cleveland, Ohio Columbus, Ohio Dayton, Ohio Detroit, Mich. Evansville, Ind. Fort Wayne, Ind.	1,898 36 26 383 85 149 223 127 206 24 58	1,273 27 21 230 58 97 160 92 114 22	384 4 5 82 16 28 46 23 57	162 3 49 5 14 8 10 26	42 1 12 1 5 5 1 4	35 1 8 5 5 4 1 5	98 - 4 24 7 1 14 3 2 1 5	MOUNTAIN Albuquerque, N.M. Boise, Idaho Colo. Springs, Colo Denver, Colo. Las Vegas, Nev. Ogden, Utah Phoenix, Ariz. Pueblo, Colo. Salt Lake City, Utah Tucson, Ariz.	97 182 20 157 23	599 69 28 42 60 118 18 93 14 60	162 18 5 11 17 40 2 34 3 14	78 12 3 12 17 - 15 4 7	34 1 4 2 4 4 - 8 1 7 3	18 - - 1 4 3 - 5 1 2 2	63 3 4 2 11 9 4 8 - 15 7
Gary, Ind. Grand Rapids, Micl Indianapolis, Ind. Lansing, Mich. Milwaukee, Wis. Peoria, III. Rockford, III. South Bend, Ind. Toledo, Ohio Youngstown, Ohio	12 193 193 45 102 31 43 52 U	5 43 125 33 77 18 28 43 U 38	4 5 40 11 15 11 11 6 U 9	2 4 17 1 8 1 3 2 U 3	1 1 7 2 1 1 - U	- 4 - - - 1 U	2 20 3 5 3 1 2 U 1	PACIFIC Berkeley, Calif. Fresno, Calif. Glendale, Calif. Honolulu, Hawaii Long Beach, Calif. Los Angeles, Calif. Pasadena, Calif. Portland, Oreg. Sacramento, Calif. San Diego, Calif.	1,455 20 64 10 61 73 272 31 102	971 14 41 9 50 48 180 28 66 73	268 5 11 6 15 48 3 17	143 1 7 1 2 9 30 -	38 - 3 - 2 - 6 - 6 4	35 2 1 1 8 -	102 1 1 6 4 13 3 8 16
W.N. CENTRAL Des Moines, lowa Duluth, Minn. Kansas City, Mo. Lincoln, Nebr. Minneapolis, Minn. Omaha, Nebr. St. Louis, Mo. St. Paul, Minn. Wichita, Kans.	916 183 30 29 114 39 206 89 107 48 71	677 132 27 20 75 34 156 68 77 38 50	37 3 8 22 2 32 14 22 7	50 7 - 10 3 12 3 5 1	11 4 - 1 - 2 2 1 1	13 2 - 1 3 2 2 1 2	71 19 1 8 4 16 10 9 3	San Francisco, Calit San Jose, Calif. Santa Cruz, Calif. Seattle, Wash. Spokane, Wash. Tacoma, Wash.	113 f. 112 182 31 140 57 82 11,253	74 76 120 25 68 43 56 7,535	24 23 33 5 39 9 13 2,165	10 12 14 1 24 3 8 985	1 1 5 6 1 3 319	4 - 10 - 3 1 2 232	11 14 17 1 3 2 2 2

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 or more. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

†Pneumonia and influenza.

Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.

Total includes unknown ages.

Contributors to the Production of the MMWR (Weekly)

Weekly Notifiable Disease Morbidity Data and 122 Cities Mortality Data

Denise Koo, M.D., M.P.H.

State Support Team

Robert Fagan Karl A. Brendel

Siobhan Gilchrist, M.P.H.

Harry Holden Gerald Jones Felicia Perry

Carol A. Worsham

Desktop Publishing and Graphics Support

Morie M. Higgins Peter M. Jenkins

CDC Operations Team

Carol M. Knowles Deborah A. Adams Willie J. Anderson Christine R. Burgess

Patsy A. Hall

Myra A. Montalbano Angela Trosclair, M.S.

NOTIFIABLE DISEASES — Reported cases, by geographic division and area, United States, 1996

	Total resident population		Botulis	m			
Area	(in thousands)	AIDS*	Foodborne	Infant	Brucellosis	Chancroid [†]	Chlamydia
UNITED STATES	265,284	66,885	25	80	112	386	498,884
NEW ENGLAND	13,350	2,765	-	2	2	3	17,036
Maine	1,243	50	_	-	_	_	967
N.H.	1,162	93	-	1	_	1	732
Vt. Mass.	589 6,092	25 1,307	-	-	_ 2	_ 2	398
R.I.	990	1,307	_	_	2	_	6,837 1,833
Conn.	3,274	1,112	_	1	_	_	6,269
MID. ATLANTIC	38,229	18,340	_	15	3	186	58,003
N.Y. (excl. NYC)	10,856	2,427	_	_	1	1	NN
N.Y. City	7,329	9,952	_	2	-	181	26,455
N.J.	7,988	3,613	-	7	1	4	12,273
Pa.	12,056	2,348	_	6	1	_	19,275
E.N. CENTRAL	43,615	5,191 1,161	-	2 1	12	29	85,572
Ohio Ind.	11,173 5,841	1,161 596	_	1	2	6 1	20,653 10,334
III.	11,847	2,199	_	_	8	20	24,430
Mich.	9,594	965	_	_	1	_	19,865
Wis.	5,160	270	_	_	1	2	10,290
W.N. CENTRAL	18,469	1,639	-	3	8	2	31,212
Minn.	4,658	304	_	1	1	_	5,607
lowa	2,852	112	_	_	4	_	4,165
Mo. N. Dak.	5,359 644	858 12	_	1	2	_	11,959
S. Dak.	732	14	_	_	_	_	1,016 1,538
Nebr.	1,652	100	_	_	_	_	2,478
Kans.	2,572	239	_	1	1	2	4,449
S. ATLANTIC	47,616	16,621	_	4	10	28	101,842
Del.	725	285	_	_	_	_	2,271
Md.	5,072	2,253	-	1	_	2	20,705
D.C.	543	1,262	-	_	_	_	1,998
Va. W. Va.	6,675 1,826	1,195 121	_	3	_	1	11,756 2,325
N.C.	7,323	895	_	_	2	14	15,078
S.C.	3,699	869	_	_	1	8	9,391
Ga.	7,353	2,411	_	_	_	_	13,555
Fla.	14,400	7,330	-	_	7	3	24,763
E.S. CENTRAL	16,193	2,284	2	2	4	3	32,587
Ky.	3,884	401	1	2	_	_	6,805
Tenn.	5,320	826	1	_	2	2	13,125
Ala. Miss.	4,273 2,716	607 450	_	_	2	- 1	8,306 4,351
W.S. CENTRAL	29,290	6,841	2	9	25	124	63,513
Ark.	2,510	269	_	_	_	1	2,111
La.	4,351	1,470	_	2	1	58	11,020
Okla.	3,301	272	-	-	1	_	7,379
Tex.	19,128	4,830	2	7	23	65	43,003
MOUNTAIN	16,116	2,024	6	4	6	2	29,695
Mont.	879	34	_	_	_	_	1,124
Idaho	1,189	39	3	_	2 1	_	1,524
Wyo. Colo.	481 3,823	7 522	_ 1	2	1	_	621 7,282
N. Mex.	1,713	205	-	_	1	_	4,007
Ariz.	4,428	594	1	_	i	2	10,692
Utah	2,000	196	_	2	_	_	1,598
Nev.	1,603	427	1	_	_	_	2,847
PACIFIC	42,406	11,111	15	39	42	9	79,424
Wash.	5,533	804	4	_	2	1	9,236
Oreg.	3,204	463	-	2	2	_	5,457
Calif. Alaska	31,878 607	9,610 36	3 8	35 -	36 _	8 –	61,555 1,360
Hawaii	1,184	198	-	2	2	_	1,816
Guam	133	4					304
P.R. V.I.	3,783 102	2,243 18	<u>-</u> -	<u>-</u>	- -	2 -	2,481 11
American Somo C.N.M.I.		- -	NA -	NA -	NA -	NA NA	NA NA

^{*}Totals reported to Division of HIV/AIDS Prevention–Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP), through December 31, 1996. Total includes 69 cases with unknown state of residence.

†Cases updated through Division of Sexually Transmitted Diseases Prevention, NCHSTP, as of June 13, 1997.

NOTIFIABLE DISEASES — Reported cases, by geographic division and area, United States, 1996 (continued)

			Escherichia c	oli O157:H7		Haemophilus influenzae,	
\rea	Cholera	Diphtheria	NETSS*	PHLIS [†]	Gonorrhea⁵	invasive	
INITED STATES	4	2	2,741	1,862	325,883	1,170	
EW ENGLAND	_	_	346	205	6,318	55	
Maine	_	_	23	_	55	1	
N.H.	_	_	39	40	153	13	
Vt.	-	-	36	34	47	2	
Mass. R.I.	_	_	162 16	131 _	2,189 486	36 2	
Conn.	_	_	70	_	3,388	1	
IID. ATLANTIC	_	1	241	102	40,128	213	
N.Y. (excl. NYC)	_	<u>.</u>	159	23	7,606	50	
N.Y. City	_	1	20		12,998	57	
N.J.	-	-	62	57	8,721	65	
Pa.	-	-	NN	22	10,803	41	
.N. CENTRAL	1	1	564	447	59,159	191	
Ohio	-	_	155	107	14,946	95	
Ind. III.	_	1	89 220	57 139	6,638 17,064	21 50	
Mich.	_ 1	_	100	73	17,964 15,130	12	
Wis.	<u>.</u>	_	NN	73 71	4,481	13	
/.N. CENTRAL	_	_	564	437	15,684	63	
Minn.	_	_	239	242	2,697	48	
lowa	_	_	123	105	1,145	4	
Mo.	-	-	74	57	8,421	8	
N. Dak.	_	-	19	17	37	_	
S. Dak.	-	-	26	_	176	1	
Nebr. Kans.	_	_	50 33	4 12	1,164 2,044	1	
S. ATLANTIC	1	_	157	95	96,386	273	
Del.		_	3	2	1,456	2/3	
Md.	_	_	3	9	11,592	76	
D.C.	_	_	3	_	4,432	5	
Va.	_	_	NN	36	9,293	11	
W. Va.	-	-	NN	3	736	11	
N.C.	-	-	47	17	18,229	26	
S.C.	_	_	13 39	11	11,661	52 52	
Ga. Fla.	_ 1	_	39 49	_ 17	19,806 19,181	52 85	
.S. CENTRAL	<u>.</u>	_	88	72	35,849	45	
Ky.	_	_	18	12	4,229	6	
Tenn.	_	_	42	57	11,709	25	
Ala.	_	_	15	3	13,169	13	
Miss.	-	-	13	_	6,742	1	
I.S. CENTRAL	1	-	89	17	42,392	44	
Ark.	-	-	13	6	5,056	-	
La.	1	-	9	4	9,315	6	
Okla. Tex.	_	_	14 53	3 4	4,897	32 6	
IOUNTAIN	_	_	218	113	23,124 7,445	57	
Mont.	_	_	27	-	7,445 38	1	
Idaho	_	_	40	13	98	i	
Wyo.	_	_	11	9	41	_	
Colo.	_	_	80	45	1,367	16	
N. Mex.	-	-	14	4	890	11	
Ariz.	-	-	NN	29	3,709	20	
Utah	-	-	29 17	_ 10	277	8	
Nev.	-	_	17 474	13 274	1,025	-	
ACIFIC Wash.	1	-	474 187	374 167	22,522 2,020	229	
oreg.	_		187 98	70	2,020 887	10 33	
Calif.	1	_	184	124	18,652	178	
Alaska	<u>.</u>	_	5	4	466	6	
Hawaii			NN	9	497	2	
Guam	1	_	_	NA	56	_	
P.R.	-	_	44	NA	648	2	
V.I.	_ NIA	_ NIA	_ NIA	NA	12	- NIA	
American Somoa C.N.M.I.	NA 1	NA	NA	NA NA	NA NA	NA 10	
C.IV.IVI.I.	ı	_	_	INA	INA	10	

^{*}National Electronic Telecommunications System for Surveillance.

†Public Health Laboratory Information System, cases updated through National Center for Infectious Diseases through July 17, 1997.

§Cases updated through Division of Sexually Transmitted Diseases Prevention, NCHSTP, as of June 13, 1997.

NOTIFIABLE DISEASES — Reported cases, by geographic division and area, United States, 1996 (continued)

	Hansen		Hepatitis				
Area	disease (leprosy)	A	В	C/non-A, non-B	Legionel- losis	Lyme disease	Malaria
UNITED STATES	112	31,032	10,637	3,716	1,198	16,455	1,800
NEW ENGLAND	4	456	255	113	80	4,095	84
Maine	-	28	8	-	5	63	10
N.H.	-	22	21	7	4	47	4
Vt.	_	12	14	26	5 34	26	8
Mass. R.I.	4	229 26	111 19	74 6	34 32	321 534	32 12
Conn.	_	139	82	-	NN	3,104	18
MID. ATLANTIC	5	1,985	1,413	337	263	10,305	467
N.Y. (excl. NYC)	_	438	358	272	80	4,900	96
N.Y. City	5	609	491	3	19	401	269
N.J.	-	394	279	- -	15	2,190	68
Pa.	-	544	285	62	149	2,814	34
E.N. CENTRAL	-	2,619	1,103	490	360	498	170
Ohio Ind.	_	785 367	120 143	35 8	116 51	32 32	15 15
III.	_	763	335	93	38	10	83
Mich.	_	506	416	354	109	28	41
Wis.	-	198	89	_	46	396	16
W.N. CENTRAL	2	2,656	572	111	71	365	51
Minn.	2	176	94	10	15	251	26
Iowa	-	334	74	53	11	19	3
Mo. N. Dak.	_	1,414 140	326	23	18	52 2	11 1
S. Dak.	_	43	2 5	_	3	_	-
Nebr.	_	156	39	9	18	5	3
Kans.	_	393	32	16	6	36	7
S. ATLANTIC	4	1,960	1,573	235	197	823	340
Del.	_	21	9	1	12	173	4
Md.	_	256	169	4	39	447	87
D.C.	_ 1	39	32	_ 17	9	3	9
Va. W. Va.	NN	218 19	163 36	9	54 NN	57 12	60 6
N.C.	_	204	337	46	12	66	30
S.C.	_	57	101	34	8	9	13
Ga.	1	414	61	_	3	1	38
Fla.	2	732	665	124	60	55	93
E.S. CENTRAL	-	1,273	914	590	59	83	42
Ky. Tenn.	_	53 778	76 516	29 400	11 26	26 24	12 14
Ala.	_	217	78	400 8	26 5	9	8
Miss.	_	225	244	153	17	24	8
W.S. CENTRAL	31	6,807	1,616	515	53	175	158
Ark.	1	500	93	8	1	27	2
La.	1	261	209	292	4	9	12
Okla.	_	2,586	56	7	16	42	3
Tex.	29	3,460	1,258	208	32	97	141
MOUNTAIN	2	4,573	1,164	555	58	9	65
Mont. Idaho	_ 1	130 247	21 88	20 99	1 –	_ 2	7 -
Wyo.	-	41	45	179	7	3	7
Colo.	_	512	132	64	12	_	26
N. Mex.	-	355	417	77	2 21	1	3
Ariz.	-	1,767	237	76		-	9
Utah	1	1,073	129	19	8	1	5
Nev.	_ G4	448 9 703	95 2 027	21 770	7 57	2	8 422
PACIFIC Wash.	64 1	8,703 1,001	2,027 158	770 66	57 8	102 18	423 41
Oreg.	-	1,001 875	129	8	o _	19	24
Calif.	48	6,653	1,710	479	43	64	343
Alaska	-	54	16	NA	1	_	3
Hawaii	15	120	14	217	5	1	12
Guam	-	7	1	6	1		-
P.R.		292	1,195	180	_ 1	_	2
V.I. American Somoa	NA	41 NA	44 NA	- NA	1 NA	NA	1 NA
C.N.M.I.	- -	1	5	11/7	IVA	INA	INA -

NOTIFIABLE DISEASES — Reported cases, by geographic division and area, United States, 1996 (continued)

_	Mea		Meningo- coccal				Polio- myelitis,
Area	Indigenous	Imported*	disease	Mumps	Pertussis	Plague	paralyti
UNITED STATES	443	65	3,437	751	7,796	5	5
NEW ENGLAND	13	4	171	5	1,866	-	-
Maine N.H.	_	_ _	15 13	_ 1	55 197	_	_
Vt.	_ 1	1	4	1	280	_	_
Mass.	9	3	71	i	1,245	_	_
R.I.	1	_	18	1	40	-	-
Conn.	2	-	50	1	49	-	-
MID. ATLANTIC	24	14	381	96	952	-	1
N.Y. (excl. NYC)	3	9	102	28	533	_	_
N.Y. City N.J.	8 3	3	56 79	20 4	61 31	_	_ 1
Pa.	10	2	144	44	327	_	_
E.N. CENTRAL	14	7	475	135	837	_	1
Ohio	4	2	159	52	289	_	1
Ind.	_	_	64	8	128	_	_
III.	2	1	142	24	192	_	_
Mich.	-	3	51	48	59	-	-
Wis.	8	1	59	3	169	_	_
W.N. CENTRAL	21	3	264	24	573	-	-
Minn.	17	2 1	39	7 3	433	_	_
lowa Mo.	- 3	I _	56 98	3 10	32 74	_	_
N. Dak.	-	_	5	2	1	_	_
S. Dak.	_	_	10	_	4	_	_
Nebr.	_	_	29	_	15	_	_
Kans.	1	_	27	2	14	_	-
S. ATLANTIC	3	9	659	131	793	-	1
Del.	1	Ξ	3	_=	26	-	_
Md.	-	2	58	37	278	_	_
D.C. Va.	_	- 3	5 67	_ 19	4 108	_	_
wa. W. Va.	_	3 -	18	-	7	_	_
N.C.	1	1	79	27	186	_	_
S.C.	_	_	65	7	49	_	_
Ga.	1	2	147	9	35	_	_
Fla.	-	1	217	32	100	-	1
E.S. CENTRAL	2	-	246	23	202	-	-
Ky.	_	_	31	_	142	_	_
Tenn.	2	_	65 95	1 6	24 26	-	_
Ala. Miss.	_	_	55 55	16	10	_	_
W.S. CENTRAL	24	3	365	67	201	_	1
Ark.	_	-	35	1	14	_	
La.	_	1	66	21	15	_	_
Okla.	_	_	46	1	21	-	_
Tex.	24	2	218	44	151	_	1
MOUNTAIN	153	4	183	25	660	5	-
Mont.	-	-	9	-	37	-	-
Idaho	1 1	_	25	_	115	-	_
Wyo. Colo.	4	3	4 44	1 5	8 336	1	_
N. Mex.	17	-	27	NN	64	2	_
Ariz.	8	_	37	1	33	2	_
Utah	117	1	18	3	26	-	-
Nev.	5	_	19	15	41	-	-
PACIFIC	189	21	693	245	1,712	-	1
Wash.	36	2	116	26	830	-	-
Oreg.	13	1	123	NN 105	64	-	-
Calif. Alaska	37 63	9 –	437 9	185 3	780 3	_	1
Hawaii	40	9	8	3 31	3 35	_	_
Guam	-		5	10	-	_	_
P.R.	3	_	13	2	3	_	_
V.I.	_	_	-	2	_	-	-
American Somoa	NA	NA	NA	NA	NA	NA	NA
C.N.M.I.	_	_	_	_	_	_	_

^{*}Imported cases include only those resulting from importation from other countries.

NOTIFIABLE DISEASES — Reported cases, by geographic division and area, United States, 1996 (continued)

					Rubella				Syphilis,
Area	Psitta- cosis	Rab Animal	ies Human	RMSF*	Rubella	Cong. syndrome	Salmonel- losis	Shigel- Iosis	Cong. (<1 yr.)
UNITED STATES	42	6,982	3	831	238	4	45,471	25,978	1,162
NEW ENGLAND	_	748	1	19	27	_	2,821	550	10
Maine	-	131	-	_	_	-	159	16	-
N.H.	-	54 135	1	_	_	-	133	20	-
Vt. Mass.	_	135 115	_	_ 12	2 21	_	101 1,640	12 265	1 7
R.I.	_	39	_	2	_	_	198	50	_
Conn.	-	274	_	5	4	-	590	187	2
MID. ATLANTIC	2	1,550	_	56	13	-	7,470	3,308	302
N.Y. (excl. NYC)	-	1,080	_	15	5	-	1,940	500	24
N.Y. City N.J.	_ 2	NA 140	_	19 9	5 2	_	1,920 1,580	630 434	130 90
Pa.	_	330	_	13	1	_	2,030	1,744	58
E.N. CENTRAL	11	92	_	30	3	1	6,100	1,943	147
Ohio	5	13	_	17	_	_	1,632	559	15
Ind.	-	9	_	8	_	_	590	161	4
III.	3	25	_	4	1	_	1,972	683	103
Mich. Wis.	1 2	31 14	_	1 -	2	1 –	1,012 894	451 89	22 3
W.N. CENTRAL	4	551	_	_ 27	_	_	2.343	1,060	17
Minn.	3	37	_	1	_	_	2,343 653	166	2
lowa	-	237	_	i	_	_	335	151	_
Mo.	1	26	_	19	_	_	565	387	15
N. Dak.	-	77	-	-	_	-	63	80	-
S. Dak.	_	132	_	1	_	_	119	94	-
Nebr. Kans.	_	5 37	_	3 2	_	_	189 419	70 112	_
S. ATLANTIC	5	2,837	_	489	101	1	9,457	6,140	220
Del.	_	80	_	2	-	-	151	155	
Md.	_	637	_	38	_	_	1,160	985	30
D.C.	-	11	_	1	1	-	125	199	14
Va.	1	612	-	54	2	-	1,229	746	12
W. Va. N.C.	1	100 740	_	3	- 86	- 1	128	96 565	24
S.C.	_	740 88	_	289 23	1	- -	1,466 873	212	35
Ga.	_	303	_	65	_	_	1,467	1,125	30
Fla.	3	266	_	14	11	_	2,858	2,057	75
E.S. CENTRAL	1	236	1	122	2	_	1,968	1,683	107
<u>K</u> y.	-	42	1	29	_	_	421	1,151	6
Tenn.	-	97	_	47 15	_	_	508	210	28
Ala. Miss.	1	92 5	_	15 31	2 NN	_	508 531	144 178	20 53
W.S. CENTRAL	_	435	_	74	9	_	4,414	3,813	154
Ark.	_	29	_	22	_	_	455	176	23
La.	_	17	_	2	1	_	616	562	9
Okla.	-	38	-	45	_	-	543	318	10
Tex.	_	351	-	5	8	_	2,800	2,757	112
MOUNTAIN	7	157	1	13	9	2	2,727	2,830	10
Mont. Idaho	- 1	26	1 –	3 1	2	_	101 135	63 97	- 1
Wyo.	3	33	_	7	_	_	57	9	_
Colo.	2	43	_	2	3	_	670	660	3
N. Mex.	-	6	_	_	_	-	324	473	96
Ariz.	-	37	-	-	3	2	619	1,124	5
Utah	-	5 7	_	_	_ 1	-	525 206	307 97	96
Nev. PACIFIC	1 12	37 6	-	- 1	74	_	296 8,171	4,651	1 195
Wash.	4	6	_	1	7 4 15	_	734	333	1
Oreg.	2	5	_		13	_	386	163	
Calif.	6	355	_	_	55	_	6,544	3,952	194
Alaska	-	10	_	_	3	_	79	116	_
Hawaii		_	_	_		-	428	87	196
Guam	-	-	-	-	-	-	39	43	- 0
P.R. V.I.	_	58 -	-	_	_	_	821 11	55 8	8 196
American Somo		NA	NA	NA	NA	NA	NA	NA	NA
C.N.M.I.		-	-	-	-	-	11	8	-

^{*}Rocky Mountain spotted fever.

†Cases updated through Division of Sexually Transmitted Diseases Prevention, NCHSTP, as of June 13, 1997.

NOTIFIABLE DISEASES — Reported cases, by geographic division and area, United States, 1996 (continued)

	Syphilis*			Toxic-				
Area	Primary & secondary	All stages	Tetanus	shock syndrome	Trich- inosis	Tuber- culosis [†]	Typhoid fever	Yellow fever
UNITED STATES	11,387	52,976	36	145	11	21,337	396	1
NEW ENGLAND	194	1,074	1	8	1	481	23	
Maine	1	4	_	3	_	21	-	_
N.H.	1	29	-	3	-	21	2	-
Vt.	_	1	_	_	_	4	-	_
Mass. R.I.	85 4	634 72	1	2	1	262 35	18	-
Conn.	103	334	_	_	_	138	_ 3	_
MID. ATLANTIC	555	9,426	5	28	2	3,991	134	_
N.Y. (excl. NYC)		728	3	9	2	535	21	_
N.Y. City	138	5,800	2	4	_	2,053	64	-
N.J.	177	1,458	_	-	_	820	40	-
Pa.	164	1,440	-	15	_	583	9	-
E.N. CENTRAL Ohio	1,651 584	5,414	5 -	33 4	4	2,120 301	36 4	_
Ind.	207	1,324 673	_	2	_ 1	202	4	_
III.	501	2,070	1	7	ż	1,060	16	_
Mich.	183	851	1	19	_	443	10	_
Wis.	176	496	3	1	1	114	2	-
W.N. CENTRAL	294	985	2	26	-	548	6	-
Minn.	16	116	1	9	_	131	1	-
lowa Mo.	23 221	86 618	- 1	4 5	_	70 224	1 2	-
N. Dak.	_	-		2	_	8	_	_
S. Dak.	_	2	_	_	_	19	_	_
Nebr.	6	27	-	1	_	22	1	-
Kans.	28	136	_	5	-	74	1	_
S. ATLANTIC	3,791	14,086	5	16	-	4,016	61	-
Del. Md.	35 729	124	_	1 2	_	43 319	- 18	_
D.C.	729 116	2,228 626	_	<u> </u>	_	139	-	_
Va.	393	1,261	_	1	_	349	11	_
W. Va.	7	59	-	-	_	57	_	-
N.C.	1,052	2,663	_	2	-	554	-	-
S.C. Ga.	402 689	1,277 2,954	2	3 6	_	348 790	- 1	-
Ga. Fla.	368	2,954 2,894	3	1	_	1,417	31	_
E.S. CENTRAL	2,351	6,966	2	1	3	1,437	7	1
Ky.	154	399	_	_	_	259	1	_
Tenn.	850	2,315	1	1	3	504	3	1
Ala.	528	1,887	1	.	-	423	3	-
Miss.	819	2,365	_	NN	_	251	-	-
W.S. CENTRAL Ark.	1,864	9,547 834	6	3 1	1	2,949 225	19 1	-
La.	262 533	2,403	_ 2	- -	_	420	1	_
Okla.	179	467	1	2	1	201	<u>.</u>	_
Tex.	890	5,843	3	-	_	2,103	17	-
MOUNTAIN	160	934	1	9	-	711	8	-
Mont.	-	4	_	-	_	19	_	-
Idaho	4	24	_	2	_	15	_	-
Wyo. Colo.	2 26	8 162	_ 1	- 5	_	7 104	3	_
N. Mex.	3	78	<u>.</u>	-	_	89	2	_
Ariz.	102	467	_	1	_	282	_	_
Utah	3	49	_	_	-	58	1	-
Nev.	20	142	_	1	-	137	2	-
PACIFIC	527	4,544	9	21	-	5,084	102	-
Wash.	9 9	129	1 1	1 _	-	285 190	4 4	-
Oreg. Calif.	506	70 4,300	1 7	20	_	190 4,313	4 84	_
Alaska	-	4,300	_	-	_	96	1	_
Hawaii	3	30				200	9	
Guam		3	_	_	_	112	1	-
P.R.	208	1,467	2	_	_	222	1	-
V.I. American Somo	11 oa NA	17 NA	1 NA	NA	NA	9 NA	NA	NA
C.N.M.I.)d INA _	INA -	INA -	INA -	IVA	INA	- INA	INA -

^{*}Cases updated through Division of Sexually Transmitted Diseases Prevention, NCHSTP, as of June 13, 1997.

†Cases updated through Division of Tuberculosis Elimination, NCHSTP, as of May 28, 1997.

The Morbidity and Mortality Weekly Report (MMWR) Series is prepared by the Centers for Disease Control and Prevention (CDC) and is available free of charge in electronic format and on a paid subscription basis for paper copy. To receive an electronic copy on Friday of each week, send an e-mail message to listserv@listserv.cdc.gov. The body content should read SUBscribe mmwr-toc. Electronic copy also is available from CDC's World-Wide Web server at http://www.cdc.gov/ or from CDC's file transfer protocol server at ftp.cdc.gov. To subscribe for paper copy, contact Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402; telephone (202) 512-1800.

Data in the weekly MMWR are provisional, based on weekly reports to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the following Friday. Address inquiries about the MMWR Series, including material to be considered for publication, to: Editor, MMWR Series, Mailstop C-08, CDC, 1600 Clifton Rd., N.E., Atlanta, GA 30333; telephone (404) 332-4555.

All material in the MMWR Series is in the public domain and may be used and reprinted without permission; citation as to source, however, is appreciated.

Director, Centers for Disease Control and Prevention David Satcher, M.D., Ph.D. Deputy Director, Centers for Disease Control and Prevention Claire V. Broome, M.D. Director, Epidemiology Program Office Stephen B. Thacker, M.D., M.Sc. Editor, MMWR Series
Richard A. Goodman, M.D., M.P.H.
Managing Editor, MMWR (weekly)
Karen L. Foster, M.A.
Writers-Editors, MMWR (weekly)
David C. Johnson
Darlene D. Rumph Person
Teresa F. Rutledge
Caran R. Wilbanks

☆U.S. Government Printing Office: 1997-532-228/67018 Region IV