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## Outbreak of Acute Gastroenteritis Associated with Norwalk-Like Viruses Among British Military Personnel — Afghanistan, May 2002

In the United States, Norwalk-like viruses (NLVs) cause an estimated 23 million episodes of illness, 50,000 hospitalizations, and 300 deaths each year. NLVs can be transmitted by fecally contaminated food and water (1) and by direct person-to-person contact or through droplets of infected persons. Outbreaks of NLV-associated gastrointestinal illness are common in military settings. During May 13–19, 2002, a total of 29 British soldiers and staff of a field hospital in Afghanistan became acutely ill after a short incubation period with vomiting, diarrhea, and fever. This report summarizes the investigation of this outbreak and underscores the importance of the diagnostic capacity for NLVs.

The first three patients presented with severe acute illness characterized by headache, neck stiffness, photophobia, obtundation, and gastrointestinal symptoms, which made the initial diagnosis elusive. The third patient's illness was complicated by disseminated intravascular coagulation. Two of these patients required ventilatory support in the field hospital's intensive care unit. All bacteriologic studies performed at the field hospital's laboratory were negative. Because the cause of the illness was unknown, the field hospital was closed to all but patients with gastrointestinal symptoms. Because of the field conditions at the base and the severity of illness in the initial patients, one patient was evacuated to a U.S. military hospital in Germany, and 10 were evacuated to England. Two medical staff who treated the patients on the flight to England and a third contact at the hospital in England subsequently developed gastroenteritis; two of these persons were hospitalized for several days. All patients recovered rapidly and were discharged. The field hospital has since reopened with enhanced infection-control precautions.

In England, fecal specimens were tested for NLVs by electron microscopy (EM), a new antigen-capture enzyme-linked

immunosorbent assay (ELISA), and reverse transcription-polymerase chain reaction (RT-PCR). By EM, clumps of small, round-structured viruses were observed and considered to be consistent with NLVs. This finding was confirmed by ELISA and RT-PCR in specimens from five patients. Partial sequence analysis of the polymerase gene identified the virus as belonging to genogroup II (2), the most common NLV genogroup in the United Kingdom and the United States (3).

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**Editorial Note:** Outbreaks of NLV-associated gastrointestinal illness are common, particularly in military deployments. NLVs were the most common cause of disability among soldiers in Operations Desert Storm and Desert Shield, have caused outbreaks aboard aircraft carriers (4), and have been a common problem in the Israeli military (5). NLVs are extremely contagious because of their low infectious dose (<100 viral particles), prolonged asymptomatic shedding (up to 2 weeks after recovery), ability to resist chlorination (10 ppm chlorine), and stability in the environment (stable with freezing and at 140° F [60° C]). Secondary cases and

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

Robert F. Fagan Deborah A. Adams Felicia J. Connor Lateka Dammond Patsy A. Hall Pearl C. Sharp nosocomial spread are common (3), although the risk for NLV infection in the health-care setting can be minimized through the use of appropriate infection-control practices (6,7). NLV gastroenteritis has several distinguishing characteristics, including diarrhea, vomiting, a short duration of illness (1–3 days), and a short incubation period (24–48 hours). The illness is generally mild, but it can cause severe disease with associated dehydration and electrolyte imbalance that might require hospitalization and aggressive treatment with intravenous fluids. Severe illness with NLVs has been associated with group O blood phenotype (8).

The diagnosis of NLVs from stool specimens is difficult and depends on the identification of the viral RNA by RT-PCR, direct visualization of the viral particles by EM, and/or evidence of a specific antibody response in acute- and convalescent-phase serum specimens (3). Further characterization of the NLV into genogroups is possible by sequence analysis at reference laboratories. In the United States, detection by PCR is limited to some state health department and reference laboratories. Health-care providers generally consider the diagnosis on clinical grounds without seeking laboratory confirmation. As a result, many more outbreaks probably occur, but attribution to NLVs has been infrequent because of the difficulty of diagnosis. Simpler, less time- and labor-intensive diagnostic methods are under development. New antigen-capture assays, such as the ELISA used in this outbreak investigation, are being tested in Japan and Europe but have not yet been evaluated fully in the United States.

In this outbreak, the inability to identify an etiologic agent promptly and the unusual severity and atypical presentation of disease in the initial cases resulted in the illness being termed a "mystery infection." This uncertainty led to the air evacuation of ill soldiers, during which secondary spread of the infection to health-care providers aboard one of the military flights occurred. The diagnosis was ultimately made in England, where EM and the new ELISA identified the etiologic agent as an NLV. Confirmation and characterization of the virus as a genogroup II strain was obtained by PCR and sequence analysis. Field laboratory capacity for NLV diagnosis might have given on-site health-care providers information useful for limiting secondary spread of illness more effectively and allayed the fear and anxiety associated with the label of "mystery infection." The same observation can be made for most acute gastroenteritis outbreaks in the United States that elude an etiologic diagnosis.

This outbreak demonstrates that NLV-associated illness occurs commonly and needs to be identified promptly so that patterns of transmission can be identified and interrupted. The development of simple and sensitive detection techniques remains a high priority. When these become available, the

true burden of illness can be measured and more effective control measures implemented.

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## Progress Toward Poliomyelitis Eradication — Nigeria, January 2000–March 2002

Since 1988, when the World Health Assembly of the World Health Organization (WHO) resolved to eradicate poliomyelitis globally, the annual estimated incidence of polio has declined 99% (1,2). Nigeria is the most populous country in Africa (estimated 2000 population: 127 million) and a major poliovirus reservoir. This report summarizes the progress toward polio eradication in Nigeria during January 2000–March 2002, highlighting achievements in acute flaccid paralysis (AFP) surveillance and evidence indicating reduced poliovirus transmission. The findings underscore the importance of ensuring a rapid flow of surveillance information to guide program activities.

Few health facilities in Nigeria provide routine vaccination services on a regular basis. In 2000, administrative data suggested that 38% of the estimated number of infants aged <1 year had received 3 oral polio vaccine (OPV) doses, and a survey of vaccination cards or histories of children aged 12–23 months suggested 24% coverage; no data are available for 2001. Problems identified in the routine vaccination system include inadequate vaccine transport and cold chain system at local government area (LGA) and health-facility levels,

inadequate monitoring and supervision of routine vaccination activities, and irregular vaccine procurement at the service-delivery level. Plans to strengthen routine vaccination at the LGA level are under way. With the support of WHO and the United Nations Children's Fund (UNICEF), the country has developed a 5-year cold chain rehabilitation plan.

Supplemental OPV vaccination activities targeting children aged 0–59 months have been conducted annually in Nigeria since fixed-post National Immunization Days (NIDs)\* were begun in 1997. To improve coverage, in 1999, NIDs were modified to be exclusively house-to-house, and extra rounds of sub-National Immunization Days (SNIDs) were added. Supplementation with Vitamin A, occurring twice yearly with NIDs, began in June 2000.

During 2000, SNIDs reached 6,633,798 children in June and 7,417,616 children in July, and NIDs reached 42,254,312 children in October and 44,306,277 children in November. During 2001, NIDs reached 46,881,439 children in January, 39,336,362 children in April, 39,336,808 children in June, and 34,778,783 children in November. Because of an OPV shortage, SNIDs were conducted in October 2001 instead of NIDs; this round reached 19,318,407 children in high-risk areas. Estimated OPV coverage of the target population during 2001 was 88%–98%. In the fourth round, approximately 700,000 children with no previous OPV dose were reached. NIDs during October–November 2000 and November 2001 were synchronized with those of other countries in western and central Africa with substantial cross-border vaccination activities (3).

AFP surveillance quality is evaluated by two key indicators: sensitivity of reporting (target: nonpolio AFP rate of ≥1 case per 100,000 children aged <15 years) and completeness of specimen collection (target: two adequate stool specimens from ≥80% of all persons with AFP). In 2000, a joint team comprising national and international experts assessed polioeradication activities in Nigeria and developed a 5-year strategic plan. The team recommended that at least one dedicated AFP surveillance officer be assigned per 3,000,000 population. By September 2000, after having been recruited and trained in AFP surveillance, these officers assumed fulltime responsibility for AFP surveillance. During 2001, an intermediate-level supervisory structure was introduced.

During 2000–2001, the national AFP case detection rate increased from 1.0 per 100,000 children aged <15 years to 3.5, the nonpolio AFP rate increased from 0.6 to 2.2, and the adequate stool specimen collection rate increased from 35% to 65% (Table). In 2001, in all 36 states plus the Federal

<sup>\*</sup>Mass campaigns over a short period (days) in which 2 doses of OPV are administered to all children in the target group (usually those aged <5 years) regardless of previous vaccination history.

TABLE. Number of reported cases of acute flaccid paralysis (AFP), number and serotype distribution of confirmed wild poliovirus cases, and key surveillance indicators, by year — Nigeria, 2000–2002\*

Serotype distribution												
No. confirmed <u>of wild polioviruses isolated</u> Nonpolio % persons with AFP wi												
Year	No. AFP cases	wild poliovirus cases	Type 1	Type 2	Type 3	AFP rate§	adequate stool specimens <sup>1</sup>					
2000	991	29	28	0	1	0.6	35%					
2001	1,940	56	35	0	21	2.2	65%					
2002	300	10	6	0	5	1.7	85%					

<sup>\*</sup> Data for 2002 annualized as of March 31, 2002.

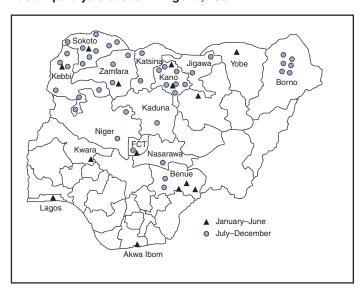
Capital Territory (FCT) of Abuja, the nonpolio AFP rate was ≥1.0; for all AFP cases, at least one stool specimen was collected within 28 days. In seven states, collection of two adequate stool specimens was <60%. During January–March 2002, two adequate stool specimens were collected for 85% of AFP cases; 27 (73%) states had a rate of ≥80%, seven (19%) had a rate of 60%–80%, and three (8%) had a rate of <60%.

The AFP surveillance system is supported by two national WHO-accredited laboratories, one located in Ibadan in Oyo State and the other in Maiduguri in Borno State. During 2000–2001, the number of stool specimens processed by these laboratories increased from 1,940 to 3,821. An indicator of the quality of the reverse cold chain for transport of stool specimens to the laboratory is the isolation rate of nonpolio enteroviruses (NPEV); the target rate is ≥10%. In 2001, the NPEV isolation rate was 7.7%. During January–March 2002, the NPEV isolation rate was 10.2%.

Improvements in AFP surveillance were associated with an increase in the number of wild poliovirus isolates detected, from 29 (28 type 1, one type 3) in 2000 to 56 (35 type 1, 21 type 3) during 2001. Genetic sequencing data from polioviruses isolated indicate that lineages are disappearing, suggesting declining intensity of transmission. Surveillance data showed a shift in the geographic distribution of wild poliovirus transmission to the northern states during July-December 2001 (Figure). Genetic sequencing data showed that polioviruses isolated during 2001 from persons with AFP in neighboring southern Niger were of Nigerian origin (2). As of March 31, 2002, a total of 10 polioviruses have been isolated in seven states and Abuja FCT(two each from Kano and Katsina, and one each in Niger, Kaduna, Abuja FCT, Gombe, Jigawa, and Borno), all areas in which polio was identified as highly endemic in 2001.

During 2001, of 56 confirmed cases, 29 (52%) were among children aged 24–59 months, 20 (35%) were among children aged 12–23 months, and seven were among infants aged <12 months. Of 22 children whose vaccination status was known, eight (36%) had received 1 OPV dose, and seven (32%) had received 2 OPV doses.

FIGURE. Distribution of wild poliovirus isolates from acute flaccid paralysis cases — Nigeria, 2001



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Editorial Note: During 2000–2001, AFP surveillance improved substantially in Nigeria. The genetic sequencing data from polioviruses isolated suggest elimination of multiple genetic lineages and greatly reduced intensity of transmission. In parts of southern Nigeria, no wild polioviruses have been isolated since July 2001. Transmission continues in the northwestern states (type 1) and the northern central and northeastern states (type 3). Key achievements over the past 2 years include creation of an expanded AFP surveillance medical officer infrastructure covering all parts of the country, implementation of an intensified house-to-house vaccination strategy during NIDs and SNIDs, and supplementation of hundreds of thousands of children with vitamin A during polio vaccination campaigns.

In 2002, one stool specimen tested had both Type 1 and Type 3 isolated.

Number of AFP cases per 100,000 population aged <15 years. Minimum expected rate is one case of nonpolio AFP per 100,000 per year.

Two stool specimens collected at an interval of at least 24 hours within 14 days of paralysis onset from persons with AFP.

Despite progress, Nigeria remains one of the three global poliovirus reservoirs (along with northern India and Pakistan) whose low routine OPV vaccination coverage and high population density favor poliovirus transmission. A joint national/international review in February 2002 highlighted several remaining challenges to eradicating polio in Nigeria. The review team found inadequate management of supplemental vaccination activities at the LGA level and recommended improvements in NID planning, vaccinator training, and day-to-day monitoring of vaccination activities. The team also found consistent delays in paying vaccination teams, leading to considerable lack of motivation and children being missed. Despite substantial progress in AFP surveillance, further improvements are needed in the geographical representativeness of surveillance quality indicators and the NPEV rate to ensure that poliovirus transmission is not occurring undetected. Finally, improved social mobilization efforts are needed to target members of ethnic minorities and other highrisk groups that are missed frequently by supplemental vaccination activities.

In 2002, AFP surveillance data are being used to target SNIDs more precisely. Two rounds of SNIDs were implemented during April—May 2002 in areas in which wild poliovirus isolates were identified during July—December 2001. Responsive mop-up vaccination will occur immediately following the detection of any poliovirus in Nigeria; this will require the rapid flow of surveillance information to guide program activities. A group of national and international experts will meet in summer 2002 to review the epidemiologic situation and make additional recommendations. NIDs are planned for September and November 2002. Implementation of these activities will enable Nigeria to interrupt transmission of wild poliovirus.

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### Rabies in a Beaver — Florida, 2001

On November 25, 2001, a beaver exhibited aggressive behavior by charging canoes and kayaks on the Ichetucknee River in Alachua County, Florida. The beaver was captured by park personnel and submitted to a Florida Department of Health (FDoH) laboratory for rabies testing. Park rangers

contacted the Alachua County Health Department after they identified five persons who were in the vicinity of the animal before capture. These five persons were interviewed by county health department personnel, who reported that although the beaver had made aggressive actions, the animal had not bitten anyone. This report summarizes the investigation of this case of animal rabies. Mammals that exhibit aggressive or other unusual behavior should be reported promptly to local health officials and should not be approached or handled by the public.

On November 27, the FDoH laboratory diagnosed rabies in the brain tissue of the beaver by using a fluorescent antibody test. Monoclonal antibody strain typing indicated that the virus belonged to the antigenically distinct group of viruses found in raccoons in the eastern United States. Park personnel involved in the capture of the animal received postexposure prophylaxis. No treatment was recommended for the five persons who had been in the vicinity.

Of 3,751 animal specimens submitted for rabies testing to the FDoH during 2001, a total of 198 (5.3%) tested positive for rabies. In addition to the beaver, specimens included 124 raccoons, 34 foxes, 19 bats, 15 cats, two otters, one dog, one bobcat, and one horse. In 2001, no other rabid animals were identified in Alachua County. However, seven raccoons, four bats, three foxes, and one dog were reported with rabies in neighboring counties.

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**Editorial Note:** This report describes the first finding of rabies in a beaver in Florida. Although rodents are not a wild-life reservoir for rabies virus and no rabies transmission from rodents to humans has been documented, reported cases of rabies in rodents have been increasing in the United States, from 97 cases during 1971–1984 (1) to an average of 52 cases per year during 1995–2000 (2–7). This trend is attributed to an increase in cases among large rodents (e.g., woodchucks [Marmota monax] and beavers [Castor canadensis]), with most cases occurring in the eastern states, where a raccoon rabies epizootic has been documented (3,8).

Reported rabies in Florida rodents is uncommon. Woodchucks are not native to Florida, and the natural range of the beaver is restricted to the northern portion of the state. Large rodents share habitats with terrestrial carnivore rabies reservoirs (e.g., raccoons, skunks, and foxes) and because of their size have a greater chance of surviving an encounter with a rabid carnivore. In these areas, rabies should be considered in the differential diagnosis of any mammal with unexplained neurologic illness. Possible human and pet exposures to rabies should be evaluated by public health officials on an individual basis. Bites from small rodents that are unlikely to survive an encounter with a rabid animal rarely require rabies postexposure prophylaxis; however, bites from large rodents should be considered as possible rabies exposures, especially in areas where rabies is endemic (9). Persons should avoid any mammal exhibiting aggressive or unusual behavior. Persons who suspect that they have been exposed to a rabid animal should contact a health-care provider immediately.

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#### Public Health Dispatch

# Update: Cutaneous Anthrax in a Laboratory Worker — Texas, 2002

On April 5, 2002, CDC reported a case of suspected cutaneous anthrax in a worker at laboratory A who had been processing environmental samples for *Bacillus anthracis* in support of CDC investigations of the 2001 bioterrorist attacks in the United States (1). Since the initial report, the worker had

serial serology performed at the CDC laboratory. A greater than fourfold rise from baseline in the concentration of immunoglobulin G to protective antigen was demonstrated. The peak antibody level was observed 7–8 weeks after the onset of symptoms, and the time course and levels of detectable antibodies were consistent with those seen in other cases of cutaneous anthrax. On the basis of case definitions developed during the recent investigation, these additional findings confirm this as a case of cutaneous anthrax (2). This case brings the number of anthrax cases identified in the United States since October 3, 2001, to 23, including 11 inhalation and 12 cutaneous (eight confirmed and four suspected). This is the first laboratory-acquired case of anthrax associated with the recent investigation.

The epidemiologic and environmental investigation of this case indicated that the probable source of exposure was the surface of vials containing *B. anthracis* isolates that the worker had placed in a freezer. The storage vials had been sprayed with 70% isopropyl alcohol, which is not sporicidal, instead of a bleach solution because bleach had caused labels to become dislodged. The worker did not wear gloves when handling the vials. A culture of the vial tops performed at laboratory A tested positive for *B. anthracis*. The vial top specimen was confirmed positive for *B. anthracis* at CDC. Multiplelocus variable-number tandem repeat analysis found this isolate to be indistinguishable from the culture of the worker's clinical specimen. This case underscores the importance of safe laboratory procedures and anthrax vaccination for workers routinely handling *B. anthracis* isolates (3).

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FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals ending June 1, 2002, with historical data

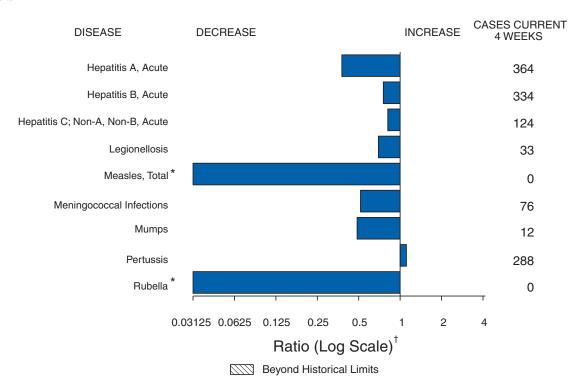


TABLE I. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending June 1, 2002 (22nd Week)\*

		Cum. 2002	Cum. 2001		Cum. 2002	Cum. 2001
Anthrax		1	-	Encephalitis: West Nile†	1	-
Botulism:	foodborne	7	10	Hansen disease (leprosy)†	32	30
	infant	19	43	Hantavirus pulmonary syndrome†	3	3
	other (wound & unspecified)	8	5	Hemolytic uremic syndrome, postdiarrheal <sup>†</sup>	42	38
Brucellosis†	· · · · ·	33	44	HIV infection, pediatric†§	31	75
Chancroid		27	15	Plague	-	-
Cholera		2	2	Poliomyelitis, paralytic	-	-
Cyclosporiasi	s <sup>†</sup>	50	32	Psittacosis†	11	4
Diphtheria		-	1	Q fever <sup>†</sup>	14	5
Ehrlichiosis:	human granulocytic (HGE)†	47	28	Rabies, human	-	-
	human monocytic (HME)†	18	21	Streptococcal toxic-shock syndrome <sup>†</sup>	33	42
	other and unspecified	2	1	Tetanus	5	15
Encephalitis:	California serogroup viral†	5	1	Toxic-shock syndrome	47	59
	eastern equine <sup>†</sup>	-	-	Trichinosis	5	5
	Powassan <sup>†</sup>	-	-	Tularemia <sup>†</sup>	11	20
	St. Louis <sup>†</sup>	-	-	Yellow fever	1	-
	western equine <sup>†</sup>	-	-			

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

<sup>\*</sup> No measles or rubella cases were reported for the current 4-week period yielding a ratio for week 22 of zero (0).
† Ratio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

<sup>\*</sup>Incidence data for reporting year 2001 and 2002 are provisional and cumulative (year-to-date).

Not notifiable in all states.

<sup>\$</sup> 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 April 28, 2002.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending June 1, 2002, and June 2, 2001 (22nd Week)\*

(22nd Week)*								Escherio	chia coli	
		IDS	Chlai	mydia <sup>†</sup>	Cryptos	poridiosis	015	7:H7		in Positive, p non-O157
Reporting Area	Cum. 2002§	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	13,092	16,726	296,169	316,110	802	762	574	590	22	31
NEW ENGLAND	459	578	10,803	9,264	35	32	42	56	4	14
Maine	8	18	593	563	2	3	1	7	-	-
N.H. Vt.	13 5	14 10	677 300	554 251	9 8	10	4 1	8 2	-	2
Mass.	243	328	4,420	3,580	7	13	24	25	2	4
R.I. Conn.	42 148	42 166	1,068 3,745	1,140 3,176	5 4	3 3	4 8	4 10	2	- 8
MID. ATLANTIC	2,520	4,577	31,112	32,745	85	113	39	50	_	-
Jpstate N.Y.	304	669	6,628	5,342	26	32	30	30	-	-
N.Y. City	1,397	2,617	12,182	12,299	37	52	-	4	-	-
N.J. Pa.	544 275	712 579	2,019 10,283	4,851 10,253	6 16	2 27	9 N	16 N	-	-
E.N. CENTRAL	1,335	1,155	47,292	58,628	211	263	159	146	-	2
Ohio	269	190	9,049	15,147	56	46	25	36	-	1
nd. II.	155 560	117 562	6,698 12,902	6,631 17,646	20 29	26 21	14 52	21 40	-	-
Mich.	282	224	13,374	12,318	45	53	30	19	-	1
Wis.	69	62	5,269	6,886	61	117	38	30	-	-
W.N. CENTRAL	197	353	14,346	16,406	89	38	83	70	3	2
Minn. owa	45 41	65 40	3,918 629	3,442 1,912	37 8	18	30 19	32 9	3	-
Лo.	66	161	5,199	5,703	12	12	16	9	-	-
N. Dak. S. Dak.	2	1 9	469 946	452 775	5 5	2	3	1 6	-	- 1
Nebr.	22	34	589	1,482	16	3	9	5	-	1
Kans.	21	43	2,596	2,640	6	-	6	8	-	-
S. ATLANTIC	4,422	4,857	57,369	61,534	145	134	60	54	10	9
Del. Md.	82 645	83 591	1,151 6,030	1,234 6,357	1 5	1 24	1 2	3	-	-
D.C.	202	357	1,330	1,539	3	9	-	-	-	-
∕a.	281	426	6,768	7,351	1	7	12	14	-	1
V.Va. V.C.	25 357	33 189	945 9,707	983 10,189	1 18	- 14	1 9	1 21	-	-
S.C.	335	327	5,587	7,010	2	1	-	2	-	-
Ga. Fla.	788 1,707	575 2,276	11,683 14,168	12,185 14,686	76 38	51 27	27 8	8 5	6 4	6 2
E.S. CENTRAL	621	813	21,760	20,770	53	15	25	27	-	_
Sy.	109	181	3,344	3,652	1	1	6	8	-	-
Tenn.	270	227	7,020	6,047	27	2	14	11	-	-
Ala. Miss.	118 124	182 223	6,955 4,441	5,843 5,228	21 4	5 7	2 3	6 2	-	-
W.S. CENTRAL	1,494	1,586	44,445	45,101	8	14	4	43	_	_
Ark.	100	89	2,279	3,277	4	2	1	2	-	-
₋a. Okla.	375 77	392 90	7,999 4,398	7,453 4,274	1 3	2	3	2 9	-	-
Tex.	942	1,015	29,769	30,097	-	10	-	30	-	-
MOUNTAIN	449	634	19,041	18,300	54	46	53	59	3	1
∕lont.	6	12	699	949	4	5	8	5	-	-
daho Vyo.	8 2	14 1	979 376	755 337	16 5	5 1	5 2	6 2	1	-
Colo.	96	139	4,669	4,935	12	15	16	25	i	1
N. Mex. Ariz.	28 191	53 243	2,600 5,969	2,543 5,986	6 6	8 1	4 5	5 7	1	-
Jtah	22	52 52	1,960	590	2	9	7	6	-	-
Nev.	96	120	1,789	2,205	3	2	6	3	-	-
PACIFIC	1,595	2,173	50,001	53,362	122	107	109	85	2	3
Vash. Dreg.	176 155	241 102	5,801 2,784	5,832 3,065	24 16	U 11	12 34	17 15	2	3
Calif.	1,242	1,799	38,420	41,655	81	94	43	46	-	-
Alaska Hawaii	20	9	1,435	1,155	- 1	- 2	4 16	1	-	-
Hawaii	20	22	1,561	1,655	1	2	16 N	6 N	-	-
Guam P.R.	2 376	8 533	1,496	173 1,273	-	-	N -	N -	-	-
V.I.	55	2	30	76		. <del>-</del>	. <del>-</del>	-		-
Amer. Samoa C.N.M.I.	U 2	U U	U 85	U U	U	U U	U	U U	U	U U
N: Not notifiable	I I: I Inavailable		orted cases			Ith of Northern	<del> </del>		-	

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

\* Incidence data for reporting year 2001 and 2002 are provisional and cumulative (year-to-date).

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

§ Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update April 28, 2002.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 1, 2002, and June 2, 2001 (22nd Week)\*

(22nd Week)*	<u></u>								
							<i>Haemophilu</i> Inva	s influenzae,	
	Esche	richia coli					IIIVa	Age <5	Years
		xin Positive,	Giardiasis	Gono	orrhea		Ages, erotypes	Serot B	
Reporting Area	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	4	4	5,602	125,578	141,995	691	690	9	11
NEW ENGLAND	-	1	582	3,218	2,507	52	33	-	1
Maine N.H.	-	-	64 20	33 54	58 58	1 4	1 -	-	-
Vt. Mass.	-	1	46 269	41 1,409	37 1,093	3 25	1 23	-	- 1
R.I.	-	-	44	401	283	9	2	-	-
Conn.	-	-	139	1,280	978	10	6	-	-
MID. ATLANTIC Upstate N.Y.	-	-	1,248 432	14,353 3,446	15,180 3,309	131 57	89 29	1 1	1 -
N.Y. City	-	-	510	5,013	5,159	31	28	-	-
N.J. Pa.	-	-	117 189	1,923 3,971	1,732 4,980	31 12	23 9	-	1
E.N. CENTRAL	2	2	1,033	22,444	29,809	84	127	2	1
Ohio Ind.	2	2	329	4,919 2,890	7,994 2,738	46 23	38 20	1	1 -
III. Mich.	-	-	233 324	7,048	9,484 7,173	9	44 7	1	-
Wis.	-	-	147	5,896 1,691	7,173 2,420	6	18	-	-
W.N. CENTRAL	-	-	678	5,883	6,693	22	25	-	1
Minn. Iowa	-	-	240 96	1,160 170	1,084 477	15 1	12	-	-
Mo.	-	-	193	3,245	3,361	4	11	-	-
N. Dak. S. Dak.	-	-	6 25	27 101	15 115	-	-	-	-
Nebr. Kans.	-	-	52 66	137 1,043	523 1,118	2	1 1	-	1
S. ATLANTIC	_	_	966	33,492	37,022	188	165	_	1
Del.	-	-	19	691	681	-	-	-	-
Md. D.C.	-	-	40 18	3,238 1,124	3,632 1,266	43	47 -	-	-
Va. W. Va.	-	-	75 12	4,346 381	3,727 239	13 2	15 4	-	- 1
N.C.	-	-	-	6,801	7,368	20	23	-	-
S.C. Ga.	-	-	25 381	3,229 6,273	5,283 6,568	9 61	4 52	-	-
Fla.	-	-	396	7,409	8,258	40	20	-	-
E.S. CENTRAL Ky.	-	1	127	12,286 1,312	13,258 1,435	24 2	49 2	1	-
Tenn.	-	-	59	3,859	3,924	14	22	<del>.</del>	-
Ala. Miss.	-	-	68 -	4,394 2,721	4,597 3,302	6 2	23 2	1 -	-
W.S. CENTRAL	-	-	54	19,375	21,575	28	27	2	1
Ark. La.	-	-	54	1,196 4,912	2,046 5,072	1 2	- 5	-	-
Okla.	-	-	-	1,903	1,944	23	21	-	-
Tex.	-	-	-	11,364	12,513	2	1	2	1
MOUNTAIN Mont.	2	-	513 31	4,054 39	4,345 49	96 -	88	2	2
Idaho Wyo.	-	-	27 8	38 27	35 23	1 1	1	-	-
Colo.	2	-	173	1,397	1,308	18	24	-	-
N. Mex. Ariz.	-	-	65 71	493 1,409	406 1,680	15 47	13 40	1	1
Utah	-	-	85 53	152	54	10	3	-	-
Nev. PACIFIC	-	-	53 401	499 10,473	790 11,606	4 66	7 87	1	3
Wash.	-	-	166	1,174	1,232	2	1	i	-
Oreg. Calif.	-	<del>-</del>	159	340 8,512	507 9,453	35 9	28 39	-	3
Alaska Hawaii	-	<del>-</del>	33 43	234 213	143 271	1 19	3 16	-	-
Guam	-	-	40 -	۷۱۵ -	22	1 <i>3</i>	-	-	-
P.R.	- -	- -	-	229	292	-	1	-	-
V.I. Amer. Samoa	U	Ū	U	17 U	11 U	Ū	Ū	U	U
C.N.M.I.	-	Ü	-	6	Ü	-	Ü	-	Ü

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

\* Incidence data for reporting year 2001 and 2002 are provisional and cumulative (year-to-date).

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending June 1, 2002, and June 2, 2001 (22nd Week)\*

(22nd Week)*	1									
	H		fluenzae, Inva	sive	_					
	<u> </u>		5 Years				epatitis (Viral,			
	Non-Se	crotype B	Unknown Cum.	Serotype Cum.	Cum.	Cum.	Cum.	B Cum.	C; Non-A Cum.	, Non-B Cum.
Reporting Area	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001
UNITED STATES	115	124	7	13	3,550	3,761	2,581	2,799	1,281	1,885
NEW ENGLAND	5	9	-	-	159	195	85	58	15	23
Maine N.H.	-	-	-	-	6 9	5 4	3 8	5 9	-	-
Vt.	-	-	-	-	-	5	2	3	8	5
Mass. R.I.	3 -	7	-	-	74 20	66 8	45 14	11 9	7	18 -
Conn.	2	2	-	-	50	107	13	21	-	-
MID. ATLANTIC	19	14	1	1	445	503	601	557	592	617
Upstate N.Y. N.Y. City	7 6	4 4	-	1 -	85 193	105 183	58 350	52 269	26	14 -
N.J.	4 2	2 4	- 1	-	51	131	111	109	558	573
Pa. E.N. CENTRAL			'	-	116	84 472	82	127	8	30
Ohio	11 5	22 5	-	1 -	463 152	106	351 44	285 54	50 5	97 5
Ind.	5	4	-	1	24	37	9	14	-	1
III. Mich.	-	8 -	-	-	129 106	141 150	31 267	23 191	7 38	8 83
Wis.	1	5	-	-	52	38	-	3	-	-
W.N. CENTRAL	2 2	1 1	2	2	155	159	94	92	369	541
Minn. Iowa	-	-	1 -	-	23 40	12 17	5 10	9 8	1	1 -
Mo.	-	-	1	2	34 1	31	56	54	362	536
N. Dak. S. Dak.	-	-	-	-	3	1	1 -	1	-	-
Nebr.	-	-	-	-	5 49	21 77	14 8	11	6	1 3
Kans. S. ATLANTIC	-		-			644		9 504		
Del.	29	26 -	-	4	1,096 8	4	663 5	504 9	65 3	25 1
Md. D.C.	1	4	-	-	129	95	59 8	58 4	9	3
Va.	2	4	-	-	40 39	20 57	91	59	1	-
W. Va. N.C.	3	- 1	-	- 4	10 118	3 49	13 98	14 98	1 12	5 8
S.C.	4	1	-	-	34	24	39	6	4	3
Ga. Fla.	13 6	13 3	-	-	266 452	348 44	205 145	167 89	11 24	- 5
E.S. CENTRAL	7	10	-	2	68	151	74	165	77	108
Ky.	-	-	-	1	23	27	17	21	2	4
Tenn. Ala.	5 2	5 4	-	1	- 21	63 50	30	61 44	16 2	27 2
Miss.	-	1	-	-	24	11	27	39	57	75
W.S. CENTRAL	6	4	-	-	48	451	169	381	12	390
Ark. La.	1	-	-	-	21 11	27 49	51 12	46 55	1 11	4 92
Okla.	5	4	-	-	15	71	1	44	-	3
Tex.	-	-	-	-	1	304	105	236	-	291
MOUNTAIN Mont.	22	10	3	1 -	290 7	316 5	204 3	208 1	36	27
Idaho	-	-	-	-	19	27	3	7	<u>-</u>	1
Wyo. Colo.	2	-	-	-	3 47	2 33	9 42	50	5 17	4 5
N. Mex.	4	6	-	1	7	11	39	58	-	10
Ariz. Utah	11 4	4	2	-	156 25	172 28	71 14	62 11	3	4
Nev.	1	-	1	-	26	38	23	19	11	3
PACIFIC	14	28	1	2	826	870	340	549	65	57
Wash. Oreg.	1 4	- 5	-	1 -	68 41	39 56	28 65	44 67	10 10	13 10
Calif.	6	21	1	1	709	754	241	425	45	34
Alaska Hawaii	1 2	1 1	-	-	7 1	12 9	3 3	3 10	-	-
Guam	-	-	_	_	-	-	-	-	_	-
P.R.	-	1	-	-	38	55	24	96	-	1
V.I. Amer. Samoa	U	U	U	U	- U	Ū	U	Ū	U	Ū
C.N.M.I.	<u> </u>	Ŭ		Ŭ	<u>-</u>	Ŭ	24	Ŭ	<u> </u>	Ŭ

C.N.M.I. - U - U - U - N: Not notifiable. U: Unavailable. -: No reported cases.

\* Incidence data for reporting year 2001 and 2002 are provisional and cumulative (year-to-date).

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending June 1, 2002, and June 2, 2001 (22nd Week)\*

(22nd Week)*										
	Legion	nellosis	Lister	riosis	Lyme	Disease	Mala	aria	Mea: To:	
Paparting Area	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
Reporting Area UNITED STATES	258	329	151	195	1,877	2,090	414	500	8 <sup>†</sup>	73 <sup>§</sup>
NEW ENGLAND	12	14	18	20	84	493	25	37	-	5
Maine N.H.	2 1	3	2 2	-	20	6	1 5	3 2	-	-
Vt.	-	4	-	-	2	1	1	-	-	1
Mass. R.I.	5	2 1	11 1	11 1	46 16	188 35	10 1	16 3	-	3 -
Conn.	4	4	2	8	-	263	7	13	-	1
MID. ATLANTIC Upstate N.Y.	58 17	77 19	24 11	32 10	1,455 1,006	1,128 283	91 16	130 18	4	9 4
N.Y. City	12	6	6	8	62	30	56	80	4	1
N.J. Pa.	10 19	6 46	3 4	7 7	112 275	240 575	12 7	16 16	-	1 3
E.N. CENTRAL	70	90	20	31	20	141	46	69	-	10
Ohio Ind.	32 6	40 4	9 2	4 3	18 2	5 2	10 1	9 10	-	3 4
III.	-	10	-	9	-	13	9	25	-	3
Mich. Wis.	24 8	17 19	7 2	13 2	U	1 120	20 6	16 9	-	-
W.N. CENTRAL	19	18	5	6	36	42	35	15	-	4
Minn. Iowa	2 4	1 5	1	-	20 5	23 8	12 2	6 1	-	2
Mo.	8	8	2	3	9	9	10	4	-	2
N. Dak. S. Dak.	1	-	1 -	-	-	-	1 -	-	-	-
Nebr. Kans.	4	3 1	- 1	1 2	2	2	5 5	2 2	-	-
S. ATLANTIC	56	39	21	21	215	192	125	94	1	4
Del.	5	-	-	-	30	27	1	1	-	-
Md. D.C.	6 2	7 2	4 -	2	114 7	118 7	31 5	36 4	-	3 -
Va. W. Va.	4 N	6 N	1	5 3	11 2	32 1	10 1	21 1	-	-
N.C.	5	4	2	-	27	5	8	2	-	-
S.C. Ga.	5 7	1 5	3 5	2 6	2 1	1 -	4 45	4 16	-	1
Fla.	22	14	6	3	21	1	20	9	1	-
E.S. CENTRAL Ky.	7 4	27 6	8 2	8 2	12 5	11 4	6 1	11 2	-	2 2
Tenn.	-	10	3	3	3	3	2	5	-	-
Ala. Miss.	3 -	7 4	3 -	3 -	4 -	2 2	2 1	3 1	-	-
W.S. CENTRAL	2	13	3	18	2	43	3	35	-	1
Ark. La.	-	6	-	1 -	1	2	1 2	2 2	-	-
Okla. Tex.	2	2 5	3	- 17	- 1	- 41	-	1 30	-	- 1
MOUNTAIN	17	19	14	18	10	4	15	20	-	1
Mont.	1	-	-	- 1	-	-	-	2	-	
Idaho Wyo.	3	1	-	1	-	2 1	-	2	-	-
Colo. N. Mex.	4 1	8 1	2 2	4 3	3 1	-	7 1	10 1	-	-
Ariz.	3	5	8	3	1	-	2	1	-	-
Utah Nev.	5	2 2	2	1 5	3 1	1	2 3	2 2	-	-
PACIFIC	17	32	38	41	43	36	68	89	3	37
Wash. Oreg.	3 N	6 N	3 2	2 4	2	1 4	8 3	2 7	-	15 2
Calif.	14	21 1	29	35	41	31	51	73 1	3	15 -
Alaska Hawaii	-	4	4	-	N	N	1 5	6	-	5
Guam	-	-	-	-	- N	- N1	-	-	-	-
P.R. V.I.	-	2	-	-	N -	N -	-	3 -	-	-
Amer. Samoa C.N.M.I.	U -	U U	U -	U U	U -	U U	U -	U U	U -	U U

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

\* Incidence data for reporting year 2001 and 2002 are provisional and cumulative (year-to-date).

† Of eight cases reported, three were indigenous and five were imported from another country.

§ Of 73 cases reported, 37 were indigenous and 36 were imported from another country.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 1, 2002, and June 2, 2001 (22nd Week)\*

(22nd Week)*			T				· · · · · · · · · · · · · · · · · · ·		
	Meningo Dise		Mui	mps	Pert	ussis	Rabies,	Animal	
Reporting Area	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	
UNITED STATES	756	1,269	118	97	2,278	2,158	2,037	2,912	
NEW ENGLAND Maine	53 4	61 1	5	-	260 3	219	318 19	251 31	
N.H.	5	6	3	-	4	18	11	6	
Vt. Mass.	4 28	4 37	2	-	44 203	23 165	53 107	34 81	
R.I. Conn.	4 8	2 11	-	-	1 5	1 12	20 108	27 72	
MID. ATLANTIC	74	123	12	9	117	167	376	440	
Upstate N.Y. N.Y. City	25 10	39 22	2 1	2 4	81 5	92 23	229 9	276 7	
N.J.	11	25	1	-	3	2	59	67	
Pa. E.N. CENTRAL	28 100	37 182	8 15	3 14	28 286	50 241	79 23	90 21	
Ohio	46	53	3	1	169	132	4	3	
Ind. III.	21 -	16 43	1 6	1 10	18 44	19 26	5 6	1 3	
Mich. Wis.	21 12	41 29	5	2	33 22	20 44	8 -	10 4	
W.N. CENTRAL	75	82	10	4	238	85	162	147	
Minn. Iowa	18 11	12 20	2	1 -	70 87	17 10	9 21	16 30	
Mo. N. Dak.	29	28 3	3 1	-	51	40	16 8	13 19	
S. Dak.	2	4	-	-	5	3	20	21	
Nebr. Kans.	10 5	6 9	4	1 2	4 21	2 13	88	1 47	
S. ATLANTIC	132	169	17	16	175	95	863	1,004	
Del. Md.	5 5	26	3	4	2 18	15	9 119	20 207	
D.C. Va.	- 19	23	3	2	1 82	1 10	218	- 178	
W. Va. N.C.	15	4 45	1	1	4 18	1 33	75 276	57 259	
S.C.	14	19	2	1	25	18	31	53	
Ga. Fla.	21 53	31 21	4 4	7 1	12 13	9 8	132 3	146 84	
E.S. CENTRAL	39	81	9	3	55	39	66	130	
Ky. Tenn.	6 17	13 31	4 2	1 -	15 32	11 15	9 42	10 106	
Ala. Miss.	10 6	29 8	2 1	2	8	10 3	15 -	14	
W.S. CENTRAL	43	217	10	8	474	142	40	641	
Ark. La.	19 13	12 54	1	2	229 2	8 4	-	4	
Okla. Tex.	10 1	18 133	9	6	27 216	3 127	40	39 598	
MOUNTAIN	56	66	7	7	335	837	81	108	
Mont. Idaho	2	1 7	1	-	2 35	6 159	4	16 1	
Wyo.	-	4	-	1	5	-	9	18	
Colo. N. Mex.	17 1	24 8	1 -	1 2	151 35	150 40	4	4	
Ariz. Utah	18 4	11 7	4	1 1	81 18	455 18	63	68	
Nev.	11	4	1	1	8	9	1	1	
PACIFIC Wash.	184 35	288 37	33	36	338 135	333 45	108	170	
Oreg. Calif.	28 115	36 205	N 26	N 20	57 139	16 258	- 84	- 134	
Alaska	1	2	-	1	2	-	24	36	
Hawaii Guam	5	8	7	15	5	14	-	-	
P.R.	1	2	-	-	1	2	31	50	
V.I. Amer. Samoa	U	U	U	U	Ū	U	U	U	
C.N.M.I.	-	U	-	U		U	-	U	

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

\* Incidence data for reporting year 2001 and 2002 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending June 1, 2002, and June 2, 2001 (22nd Week)\*

				Ru	bella			
		/lountain d Fever	Rut	pella		enital ella	Salmor	ellosis
Reporting Area	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	171	78	4	9	2	-	10,637	11,499
NEW ENGLAND	-	-	-	-	-	-	648	854
Maine	-	-	-	-	-	-	58	93
N.H. Vt.	-	-	-	-	-	-	36 24	55 33
Mass.	-	-	-	-	-	-	365	478
R.I. Conn.	-	-	-	-	-	-	30 135	42 153
MID. ATLANTIC	9	5	1	3	_	_	1,353	1,652
Upstate N.Y.	2	-	-	1	-	-	428	356
N.Y. City	1	1 2	- 1	2	-	-	499	428
N.J. Pa.	6	2	-	-	-	-	176 250	423 445
E.N. CENTRAL	3	7	-	2	-	-	1,828	1,611
Ohio	3	1	-	-	-	-	516	491
Ind. III.	-	6	-	2	-	-	150 559	141 448
Mich.	-	-	-	-	-	-	329	258
Wis.	-	-	-	-	-	-	274	273
W.N. CENTRAL	17	16	-	2	-	-	845	686
Minn. Iowa	-	1	-	1	-	-	195 130	227 105
Mo.	16	15	-	-	-	-	330	159
N. Dak.	-	-	-	-	-	-	9	11
S. Dak. Nebr.	-	-	-	-	-	-	29 51	42 51
Kans.	1	-	-	1	-	-	101	91
S. ATLANTIC	120	27	1	1	-	-	2,575	2,467
Del.	-	-	-	-	-	-	15	27
Md. D.C.	17	4	1 -	-	-	-	261 27	243 29
Va.	3	1	-	-	-	-	266	403
W. Va. N.C.	- 59	12	-	-	-	-	37 388	36 402
S.C.	27	4	-	-	-	-	162	276
Ga.	13	3	-	-	-	-	618	401
Fla.	1	3	-	1	-	-	801	650
E.S. CENTRAL Ky.	17	13	-	-	1	-	612 103	608 107
Tenn.	12	11	-	-	1	-	181	153
Ala.	5	1	-	-	-	-	191	198
Miss.	-	1	-	-	-	-	137	150
W.S. CENTRAL Ark.	3	7 4	1 -	<del>-</del>	-	-	345 170	1,216 143
La.	-	1	-	-	-	-	71	244
Okla. Tex.	3	2	- 1	-	-	-	102 2	82 747
			'	-	-	-		
MOUNTAIN Mont.	2	3	-	-	-	-	770 35	705 29
Idaho	-	1	-	-	-	-	51	41
Wyo. Colo.	1	1	-	-	-	-	20 202	26 198
N. Mex.	-	-	-	-	-	-	105	91
Ariz.	-	<del>.</del>	-	-	-	-	223	186
Utah Nev.	1	1 -	-	- -	- -	- -	60 74	78 56
PACIFIC	•	_	1	1	1	_	1,661	1,700
Wash.	-	-	-	-	-	-	147	162
Oreg.	-	-	-	-	-	-	143	105
Calif. Alaska	-	- -	1 -	- -	- -	- -	1,248 23	1,279 18
Hawaii	-	-	-	1	1	-	100	136
Guam	-	-	-	-	-	-	-	3
P.R. V.I.	-	-	-	-	-	-	53	313
Amer. Samoa	Ū	Ū	Ū	Ū	Ū	Ū	Ū	Ū
C.N.M.I.	-	U	-	U	-	U	14	U

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

\* Incidence data for reporting year 2001 and 2002 are provisional and cumulative (year-to-date).

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending June 1, 2002, and June 2, 2001 (22nd Week)\*

	Shige	ellosis	Streptococo Invasive,			<i>s pneumoniae,</i> ant, Invasive		s pneumoniae (<5 Years)
Reporting Area	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	5,072	5,566	1,985	2,050	1,271	1,552	106	209
NEW ENGLAND	98	96	100	138	5	74	10	61
Maine N.H.	3 4	3 1	14 22	8 9	-	-	-	-
Vt.	-	3	7	8	3	6	1	-
Mass. R.I.	69 4	65 7	49 8	42 6	2	-	9	34 1
Conn.	18	17	-	65	-	68	-	26
MID. ATLANTIC Upstate N.Y.	292 64	569 176	347 173	319 140	63 59	89 87	36 36	59 59
N.Y. City	168	169	81	99	Ű	Ü	-	-
N.J. Pa.	21 39	118 106	67 26	57 23	4	2	-	-
E.N. CENTRAL	553	806	293	460	105	112	32	71
Ohio	302	251	118	117	-	-	-	-
Ind. III.	31 127	109 211	18 4	36 157	101 2	112	24	35 25
Mich. Wis.	58 35	132 103	153	109 41	2	-	8	11
W.N. CENTRAL	482	558	140	204	322	123	22	17
Minn.	93	205	69	79	232	87	22	16
Iowa Mo.	37 58	97 117	31	- 47	5	9	-	-
N. Dak. S. Dak.	7 131	12 54	9	7 7	1 1	2	-	1
Nebr.	104	34	13	23	23	5	-	-
Kans.	52	39	18	41	60	17	-	-
S. ATLANTIC Del.	2,014 6	792 4	374 1	337 2	657 3	842 2	6	1 -
Md.	324	45	55	25	-	-	-	-
D.C. Va.	23 361	23 58	5 41	3 51	33	3 -	1 -	-
W. Va. N.C.	2 119	4 157	7 73	10 77	32	30	-	1
S.C.	26	79	25	6	114	182	5	-
Ga. Fla.	709 444	114 308	106 61	107 56	210 265	250 375	-	-
E.S. CENTRAL	428	525	57	40	77	159	-	-
Ky. Tenn.	58 24	175 41	6 51	16 24	8 69	19 139	-	-
Ala.	194	113	-	-	-	1	-	-
Miss.	152	196	-	-	-	-	-	-
W.S. CENTRAL Ark.	262 83	1,101 255	24 4	176	17 5	125 12	-	-
La. Okla.	50 128	116 15	- 19	26	12	85 28	-	-
Tex.	1	715	1	150	-	-	-	-
MOUNTAIN	226	300	364	201	25	27	-	-
Mont. Idaho	1 2	14	5	3	-	-	-	-
Wyo. Colo.	3 46	2 65	6 132	4 81	9	4	-	-
N. Mex.	48	52	59	42	16	22	-	-
Ariz. Utah	97 15	125 19	162	68 3	-	-	-	-
Nev.	14	23	-	-	-	1	-	-
PACIFIC Wash.	717 42	819 70	286 26	175	-	1	-	-
Oreg.	37	44	-	-	-	-	-	-
Calif. Alaska	616 2	685 2	226	153	- -	-	-	-
Hawaii	20	18	34	22	-	1	-	-
Guam	<u>-</u> 1	24	-	1	-	-	-	-
P.R. V.I.	-	6 -	-	-	-	-	-	-
Amer. Samoa C.N.M.I.	U 6	U U	U	U U	-	-	U	U U

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

\* Incidence data for reporting year 2001 and 2002 are provisional and cumulative (year-to-date).

TABLE II. (*Continued*) Provisional cases of selected notifiable diseases, United States, weeks ending June 1, 2002, and June 2, 2001 (22nd Week)\*

(22nd Week)*		Svp	hilis		1		Typhoid		
	Primary & S			enital <sup>†</sup>	Tubero	ulosis	1	ver	
Reporting Area	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	
UNITED STATES	2,424	2,278	39	192	4,279	5,093	100	122	
NEW ENGLAND	40	16	-	3	140	171	10	7	
Maine N.H.	2	1	-	-	5 6	7 8	-	1 1	
√t.	1	1	-	<del>-</del>	-	4	-	-	
Mass. R.I.	25 2	9 1	-	2	80 15	92 23	8 -	4	
Conn.	10	4	-	1	34	37	2	1	
MID. ATLANTIC	266	199	6	28	876	895	27	37	
Jpstate N.Y. N.Y. City	12 157	5 115	1 -	16	120 450	131 451	4 13	8 11	
N.J.	47	35	5	10	220	198	9	16	
Pa.	50	44	-	2	86	115	1	2	
E.N. CENTRAL Ohio	438 60	358 38	- -	29 1	440 65	518 99	11 4	17 2	
Ind.	27	78	-	4	46	35	1	1	
III. Mich.	113 230	125 104	-	22 2	233 90	269 84	1 3	9 3	
Wis.	8	13	-	-	6	31	2	2	
W.N. CENTRAL	37	32	-	5	210	208	4	6	
Minn. Iowa	17	17 1	-	-	95 14	93 18	3	2	
Mo.	10	6	-	3	67	47	1	4	
N. Dak. S. Dak.	-	-	-	-	9	3 6	-	-	
Nebr.	4	-	-	-	9	16	-	-	
Kans.	6	8	-	2	16	25	-	-	
S. ATLANTIC Del.	607 8	835 6	5	48	790 7	997	11	17	
Md.	66	112	-	1	89	79	1	4	
D.C. Va.	36 27	14 49	-	1 1	- 60	34 97	-	4	
W.Va.	-	-	-	-	9	12	-	-	
N.C. S.C.	130 53	207 113	-	7 9	119 59	129 92	-	1	
Ga.	97	128	-	11	130	184	7	6	
Fla.	190	206	5	18	317	370	3	2	
E.S. CENTRAL	248	246	1	9	294	309	2	-	
Ky. Tenn.	37 100	18 137	-	4	48 106	38 105	2	-	
Ala. Miss.	84	40	1	2	94	116	-	-	
W.S. CENTRAL	27 337	51 291	- 25	3 35	46 568	50 782	-	6	
W.S. CENTRAL Ark.	12	291	- -	2	53	782 53	-	-	
La. Okla.	51 28	56 33	- -	2	- 54	- 52	-	-	
Tex.	246	182	25	31	461	677	-	6	
MOUNTAIN	133	82	1	7	112	205	8	4	
Mont. Idaho	2	-	-	-	4	3	-	1	
Wyo.	-	-	-	-	2	1	-	-	
Colo. N. Mex.	10 21	14 8	1	-	21 8	56 31	4	-	
Ariz.	91	51	-	7	63	73	-	-	
Utah Nev.	6 3	6 3	-	-	12 2	6 35	3 1	3	
PACIFIC	318	219	-	28	849	1,008	27	28	
Wash.	20	23	-	-	92	91	3	1	
Oreg. Calif.	5 288	6 186	- 1	- 28	33 640	40 794	2 22	3 22	
Alaska	-	-	-	-	24	18	-	-	
Hawaii	5	4	-	-	60	65	-	2	
Guam P.R.	- 91	2 116	<del>-</del> -	- 11	- 8	28 47	<del>-</del> -	1	
V.I.	-	-	-	-	-	-	-	-	
Amer. Samoa C.N.M.I.	U 13	U U	U	U U	U 19	U U	U	U U	

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

\* Incidence data for reporting year 2001 and 2002 are provisional and cumulative (year-to-date).

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

TABLE III, Deaths in 122 U.S. cities,\* week ending June 1, 2002 (22nd Week)

TABLE III. Deaths	TABLE III. Deaths in 122 U.S. cities,* week ending June 1, 2002 (22nd Week)  All Causes, By Age (Years)  All Causes, By Age (Years)														
-	<del> </del>	All C	auses, E	Sy Age (Y	ears)					All (	Causes, I	By Age (1	rears)	1	
Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	P&I <sup>†</sup> Total	Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	P&I <sup>†</sup> Total
NEW ENGLAND	375	287	61	20	3	4	37	S. ATLANTIC	926	573	218	78	37	20	58
Boston, Mass.	U	U	U	Ų	U	Ų	U	Atlanta, Ga.	112	71	22	13	4	2	6
Bridgeport, Conn. Cambridge, Mass.	41 15	33 11	6 2	1 2	-	1	2 1	Baltimore, Md. Charlotte, N.C.	164 91	89 52	41 23	20 8	10 3	4 5	8 9
Fall River, Mass.	22	17	4	1	-		3	Jacksonville, Fla.	U	U	U	Ű	Ü	U	Ü
Hartford, Conn.	Ū	Ü	Ü	Ü	U	U	Ŭ	Miami, Fla.	99	51	30	11	6	1	6
Lowell, Mass.	22	12	7	3	-	-	4	Norfolk, Va.	54	38	8	3	2	3	2
Lynn, Mass.	8	6	1	-	1	-	-	Richmond, Va.	55	32	12	8	2	1	3
New Bedford, Mass.	27	23	4	-	-	-	2	Savannah, Ga.	64	36	24	2	2	-	7
New Haven, Conn.	43 65	28 54	9 9	6 1	- 1	-	7 4	St. Petersburg, Fla.	54 133	38	10 23	4 4	2 4	2	6 10
Providence, R.I. Somerville, Mass.	2	1	9	-	-	1	-	Tampa, Fla. Washington, D.C.	100	100 66	25 25	5	2	2	10
Springfield, Mass.	49	39	8	2	-	Ċ	4	Wilmington, Del.	U	Ü	Ü	Ŭ	Ū	Ū	Ü
Waterbury, Conn.	28	21	5	-	1	1	-	E.S. CENTRAL	509	343	113	35	10	8	35
Worcester, Mass.	53	42	6	4	-	1	10	Birmingham, Ala.	134	80	36	13	10	4	10
MID. ATLANTIC	2,258	1,574	456	147	50	31	126	Chattanooga, Tenn.	66	46	15	2	2	1	4
Albany, N.Y.	48	37	7	3	1	-	5	Knoxville, Tenn.	91	64	15	8	2	2	3
Allentown, Pa.	16	11	4	1	-	-	2	Lexington, Ky.	44	32	10	1	1		5
Buffalo, N.Y.	85	60	20	2	1	2	7	Memphis, Tenn.	U	U	U	U	U	U	U
Camden, N.J. Elizabeth, N.J.	32 15	18 12	6 3	4	3	1	1 4	Mobile, Ala. Montgomery, Ala.	58 26	40 20	13 5	3 1	2	-	3 3
Erie, Pa.	61	50	6	3	2	-	2	Nashville, Tenn.	90	61	19	7	2	1	7
Jersey City, N.J.	28	20	6	2	-	-	-						37		71
New York City, N.Y.	1,053	740	209	68	18	18	41	W.S. CENTRAL Austin, Tex.	1,237 83	789 55	267 9	110 13	6	34	3
Newark, N.J.	60	27	28	4	1	-	2	Baton Rouge, La.	38	25	7	4	-	2	1
Paterson, N.J.	19 435	11 284	5 91	3 36	- 18	6	1 30	Corpus Christi, Tex.	U	U	U	U	U	U	U
Philadelphia, Pa. Pittsburgh, Pa.§	29	204	3	1	-	3	1	Dallas, Tex.	157	85	46	16	3	7	9
Reading, Pa.	17	12	3	2	-	-	-	El Paso, Tex.	109	74	22	9	3	1	7
Rochester, N.Y.	141	102	27	9	2	1	12	Ft. Worth, Tex. Houston, Tex.	91 320	61 187	20 80	4 35	4 8	2 10	4 19
Schenectady, N.Y.	25	21	3	1	-	-	1	Little Rock, Ark.	51	36	7	4	3	1	2
Scranton, Pa.	25	20	3	1	1	-	3	New Orleans, La.	Ü	Ü	Ú	Ú	Ŭ	Ü	Ū
Syracuse, N.Y. Trenton, N.J.	115 14	88 8	21 4	5 1	1 1	-	10 2	San Antonio, Tex.	214	139	39	18	10	8	15
Utica, N.Y.	15	12	2	-	i	_	-	Shreveport, La.	69	48	14	5	-	2	5
Yonkers, N.Y.	25	19	5	1	-	-	2	Tulsa, Okla.	105	79	23	2	-	1	6
E.N. CENTRAL	1,435	990	302	83	26	34	98	MOUNTAIN Albuquerque, N.M.	758 74	494 47	151 16	70 5	26 4	17 2	56 3
Akron, Ohio Canton, Ohio	42 41	28 31	9 9	3 1	-	2	2 5	Boise, Idaho	40	28	5	3	2	2	4
Chicago, III.	Ü	Ü	Ü	ΰ	Ū	U	Ü	Colo. Springs, Colo.	51	39	7	3	-	2	1
Cincinnati, Ohio	73	47	17	1	3	5	6	Denver, Colo.	89	50	27	8	2 8	2	12 12
Cleveland, Ohio	105	67	30	6	1	1	5	Las Vegas, Nev. Ogden, Utah	184 23	114 16	40 3	19 3	1	-	1
Columbus, Ohio	170	113	36	15	3	3	5	Phoenix, Ariz.	U	Ü	Ü	Ü	Ü	U	Ú
Dayton, Ohio	93 188	63 91	22 58	8 22	- 7	10	15 9	Pueblo, Colo.	32	27	3	2	-	-	2
Detroit, Mich. Evansville, Ind.	36	31	2	22	-	10	1	Salt Lake City, Utah	131	82	24	15	5	5	11
Fort Wayne, Ind.	66	49	11	3	2	1	2	Tucson, Ariz.	134	91	26	12	4	1	10
Gary, Ind.	15	9	5	1	-	-	1	PACIFIC	1,061	738	215	64	29	15	83
Grand Rapids, Mich.	33	25	6	. 1	1	-	3	Berkeley, Calif.	20	15	2	2	-	1	-
Indianapolis, Ind.	181 58	125 44	37 12	11	4	4	12 8	Fresno, Calif. Glendale, Calif.	64 U	43 U	11 U	6 U	3 U	1 U	4 U
Lansing, Mich. Milwaukee, Wis.	81	59	17	2 3	1	1	7	Honolulu, Hawaii	63	41	16	3	2	1	4
Peoria, III.	41	33	5	2	-	1	3	Long Beach, Calif.	52	38	12	1	1		6
Rockford, III.	66	55	7	1	1	2	7	Los Angeles, Calif.	U	U	U	U	U	U	U
South Bend, Ind.	49	44	3	-	1	1	5	Pasadena, Calif.	20	15	.4	-	1	-	1
Toledo, Ohio	53	39	10 6	1 -	2	1	1	Portland, Oreg.	87	58	17	5	3 4	4	4
Youngstown, Ohio	44	37					1	Sacramento, Calif. San Diego, Calif.	163 134	114 95	35 23	8 12	3	2 1	16 24
W.N. CENTRAL	633	409	124	51	31	18	46	San Francisco, Calif.	Ü	Ü	U	Ü	Ü	ΰ	Ü
Des Moines, Iowa	89 39	64 36	18	4	1	2 1	15 5	San Jose, Calif.	142	101	29	6	4	2	12
Duluth, Minn. Kansas City, Kans.	39 20	36 12	2 4	3	1	1	5 3	Santa Cruz, Calif.	36	27	6	3	-	-	2
Kansas City, Mo.	95	62	16	3 7	7	3	7	Seattle, Wash.	109	69	25	12	3	-	5
Lincoln, Nebr.	32	21	9	1	1	-	2	Spokane, Wash.	58	49	7	1	- 5	1	3 2
Minneapolis, Minn.	80	44	20	7	5	4	4	Tacoma, Wash.	113	73	28	5		2	
Omaha, Nebr.	81	40	16	13	10	2	2	TOTAL	9,1921	6,197	1,907	658	249	181	610
St. Louis, Mo.	67	40 36	15 9	8	3 1	1 2	3								
St. Paul, Minn. Wichita, Kans.	48 82	36 54	9 15	8	2	3	5								
	02	J-T	10					I							

U: Unavailable. -: No reported cases.

Or Orlavaliable.
 1.No reported class.
 Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of ≥100,000. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.
 Pneumonia and influenza.
 Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.
 Total includes unknown ages.

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