



# MMWR™

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### Outbreaks of *Salmonella* Serotype Enteritidis Infection Associated with Eating Shell Eggs — United States, 1999–2001

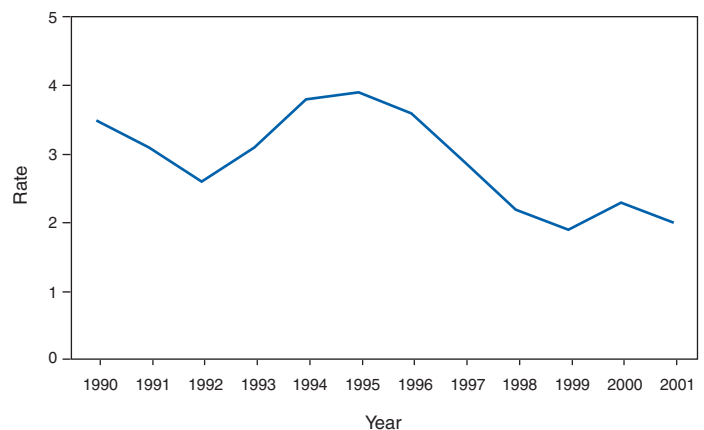
A *Salmonella* serotype Enteritidis (SE) epidemic emerged in the 1980s, when increasing numbers of infections were detected in the Northeastern and Mid-Atlantic regions of the United States (1). In the early 1990s, while SE rates in the Northeast began to decline, the SE epidemic expanded to the Pacific region (2). Nationwide, the number of SE isolates reported to CDC peaked at 3.8 per 100,000 population in 1995. Although rates of culture-confirmed SE infection reported to CDC declined to 1.9 by 1999 (Figure 1), rates did not decline further through 2001, and outbreaks continue to occur. Investigations of outbreaks and sporadic cases have indicated repeatedly that, when a food vehicle is identified, the most common sources of SE infection are undercooked and raw shell eggs (3,4). This report describes two SE outbreaks associated with eating shell eggs and underscores the need to strengthen SE-control measures.

#### South Carolina, 2001

During February–March 2001, outbreaks of gastroenteritis occurred among inmates in four prison facilities of the South Carolina Department of Corrections (SCDC). The first outbreak occurred in a men's facility (M1) on February 6. The three other outbreaks, all occurring on March 2, affected a second men's facility (M2) and two women's facilities (F1 and F2). Among 2,317 inmates in the four prisons, 688 reported to prison infirmaries with gastrointestinal symptoms (e.g., abdominal cramps, diarrhea, and nausea). Stool specimens from ill inmates yielded SE phage types 2, 13a, and 23. No illness was reported among SCDC staff members.

The South Carolina Department of Health and Environmental Control conducted two case-control studies in M2 and F1, which shared a common kitchen. A case-patient was defined as any SCDC inmate who reported to the prison

FIGURE 1. Isolation rate\* of *Salmonella* serotype Enteritidis (SE), by year — United States, 1990–2001



\* Per 100,000 population.

infirmery with acute gastrointestinal symptoms. Case-patients were selected at random from a list of ill inmates. Controls were inmates without illness who were selected at random from an inmate roster provided by the prisons and who were matched by prison facility. A tuna salad served for lunch on March 2 was eaten by 88% of the male case-patients (odds ratio [OR]=7.0; 95% confidence interval [CI]=1.8–30.5) and by 89% of the female case-patients (OR=16.7; 95% CI=4.1–74.7). The tuna salad was prepared with eggs that were reportedly hard-boiled by kitchen staff, who also were inmates.

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At the time of the outbreaks, all eggs used by the four involved SCDC facilities were supplied from a single vendor. Eggs supplied to M2 and F1 were traced back to the vendor's farm (Farm A). In February 2001, eggs submitted from Farm A to the South Carolina Egg Quality Assurance Program tested positive for SE phage types 2, 13a, 22, 23, and 28. Phage type 2 was the predominant SE strain isolated from both ill patients and eggs from Farm A. To protect the inmates, SCDC switched to pasteurized egg products in April 2001.

#### North Carolina, 2001

In June 2001, the Statistical Outbreak Detection Algorithm at CDC signaled an increase in SE cases reported from North Carolina. The Division of Public Health in North Carolina was alerted and began to review SE cases throughout the state. The North Carolina State Laboratory of Public Health reported 51 cases in July and 31 in August, compared with 11 cases in each of those months during 2000. Cases occurred throughout the state.

A case-control study was performed. A case was defined as culture-confirmed SE in a resident of North Carolina reported during July 1–September 7, 2001. One to two neighbor controls were matched to each case. SE isolates were subtyped by pulsed-field gel electrophoresis (PFGE) and phage typing. Analysis of 53 patients and 78 controls indicated that illness was associated with eating eggs (matched odds ratio [MOR]=2.8; 95% CI=1.1–9.5). Isolates from 21 (40%) of 53 patients had PFGE pattern A. Analysis restricted to patients with pattern A indicated a stronger association with egg consumption (MOR=10.7; 95% CI=1.3–88.1). PFGE pattern A also was identified in isolates from patients in the South Carolina SE outbreak. All isolates from SE patients in both outbreaks that were PFGE pattern A also were phage type 13a. Among 14 random, nonoutbreak phage type 13a SE isolates tested subsequently at CDC, seven distinct PFGE patterns were identified; none was PFGE pattern A. A traceback of implicated eggs purchased from retail outlets in North Carolina was inconclusive for implicating a farm.

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**Editorial Note:** During 1990–2001, state and territorial health departments reported 677 SE outbreaks, which accounted for 23,366 illnesses, 1,988 hospitalizations, and 33 deaths (CDC, unpublished data, 2002). Among the 309

outbreaks reported with a confirmed vehicle of transmission, 241 (78.0%) were associated with shell eggs, accounting for 14,319 illnesses. Of these, 10,406 illnesses occurred during 1990–1995, and 3,913 occurred during 1996–2001. The overall decrease in SE incidence and the decrease in the number of illnesses related to egg-associated SE outbreaks during the last decade might be attributed in part to the implementation of prevention measures, including on-farm control programs, egg refrigeration, and consumer and food worker education. However, reported cases did not decline during 1999–2001, and outbreaks associated with shell eggs continue to occur.

In the South Carolina outbreak, eggs from a farm that tested positive for SE in February 2001 were distributed to the prisons in March, despite the farm's participation in a voluntary, state-sponsored SE-control program. This farm withdrew from the state program in April 2001. Phage type 2 was the most common SE strain isolated in the South Carolina outbreak. This uncommon phage type, which has accounted for 3% of SE outbreaks with reported phage type since 1985, also was found on Farm A. Cases in the outbreak in North Carolina shared the same SE PFGE pattern and phage type (13a) as some of the South Carolina outbreak cases, suggesting a possible link to the same farm.

Eggs that reportedly were hard-boiled and used in a tuna salad were the implicated vehicle in the South Carolina outbreak. A recent study demonstrated that unless SE-containing eggs are exposed to boiling water until the yolk is completely solidified, SE can survive the cooking process (5). Cross contamination of the tuna salad by inmate food handlers also was possible.

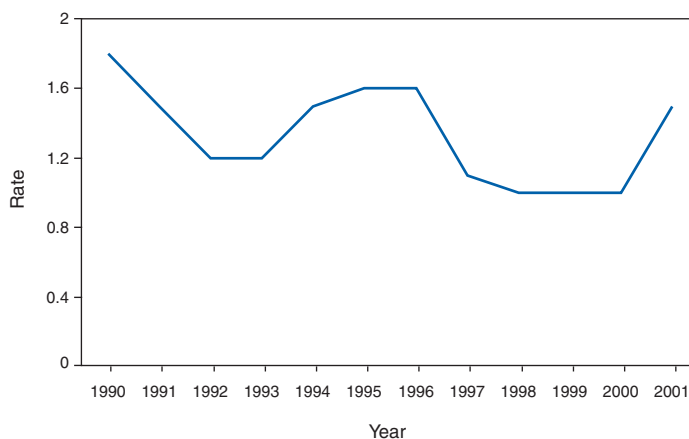
To achieve sustained decreases in egg-associated SE illnesses, a concerted prevention effort is needed from farmers to consumers (6). A key factor in this effort is the implementation of farm-based measures to reduce SE contamination of eggs during production. The implementation of such control programs in Northeastern states in the early 1990s might have contributed to subsequent decreases in human SE isolation rates in New England and Mid-Atlantic regions (7). One important control measure is microbiologic testing of hen houses for the presence of SE. If SE is found on a farm during routine environmental testing, eggs may be diverted to pasteurization. Evidence suggests that proper implementation and oversight of farm-based control programs can result in a reduction of SE infections among flocks in poultry houses (8). Farm participation in current SE-control programs is voluntary, and the components of programs vary. Future shell-egg safety measures should include greater participation in farm-based control programs with microbiologic testing.

Both outbreaks described in this report occurred in the Southeastern region of the United States. Compared with declining rates of SE infections in other regions of the United States, the incidence of SE in Southeastern states increased by 50% from 2000 to 2001 (Figure 2). Ongoing surveillance of SE outbreaks will be necessary to detect changes in trends of SE infection in this region. Expansion of SE-prevention measures will be an important part of efforts to prevent SE infections in the Southeast. This includes actively encouraging farms to participate in SE-control programs, promotion of proper refrigeration of eggs during storage and transportation, and education of food handlers and consumers about food preparation (see box). Retail and consumer buyers can specify that suppliers provide only eggs produced from farms managed under an SE-control program that is recognized by a state regulatory agency or a state poultry association.

The outbreak in South Carolina prisons was the largest SE outbreak in 2001. Because persons residing in institutions depend entirely on their institutions for meals, the supply of contaminated foods to these settings can place large populations at risk for developing foodborne diseases. Persons residing in institutions, especially elderly persons in nursing homes or assisted living facilities, are at higher risk for dying from outbreak-associated SE infections (9). During 1990–2001, a total of 83 SE outbreaks occurred in institutional settings\*, representing 12% of reported SE outbreaks. Of the 33 outbreak-associated deaths, 22 (67%) occurred in institutional

\* Institutional settings include nursing homes, independent living facilities, assisted living facilities, childcare settings, campus cafeterias, prisons and correctional facilities, and shelters.

**FIGURE 2. Isolation rate\* of *Salmonella* serotype Enteritidis (SE), by year — Southeastern region†, 1990–2001**



\* Per 100,000 population.

† Alabama, Delaware, Florida, Georgia, Kentucky, Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia.

**BOX. Recommendations for preventing *Salmonella* serotype Enteritidis (SE) infections associated with eggs**

**For egg producers:**

- Flock-based SE-control programs that include routine microbiologic testing should be adopted and implemented by industry nationwide.

**For retail and food service establishments and institutional settings:**

- In retail and food service establishments, pasteurized egg products or pasteurized in-shell eggs are recommended in place of pooled eggs or raw or undercooked shell eggs. If used, raw shell eggs should be fully cooked. If shell eggs are served undercooked, a consumer advisory should be posted in accordance with the Food Code.
- In hospitals, nursing homes, adult or childcare facilities, and senior centers, pasteurized egg products or pasteurized in-shell eggs should be used in place of pooled eggs or raw or undercooked eggs.
- Eggs should be purchased or received from a distributor refrigerated and stored refrigerated at  $\leq 45^{\circ}$  F ( $\leq 7^{\circ}$  C) at all times.

**For egg consumers:**

- Consumption of raw or undercooked eggs should be avoided, especially by young children, elderly persons, and persons with weakened immune systems or debilitating illness.
- Eggs should be cooked until both the white and the yolk are firm and eaten promptly after cooking.
- Hands, cooking utensils, and food-preparation surfaces should be washed with soap and water after contact with raw eggs.
- Eggs should be purchased or received from a retail store or distributor refrigerated and stored refrigerated at  $\leq 45^{\circ}$  F ( $\leq 7^{\circ}$  C) at all times.

facilities, underscoring the importance of using pasteurized egg products or in-shell pasteurized eggs for all recipes requiring pooled, raw, or undercooked shell eggs for institutionalized persons.

Additional information about preventing SE infections associated with eating raw or undercooked shell eggs is available at [http://www.cdc.gov/ncidod/dbmd/diseaseinfo/salment\\_g.htm](http://www.cdc.gov/ncidod/dbmd/diseaseinfo/salment_g.htm), <http://www.cfsan.fda.gov/~dms/fs-eggs.html>, <http://www.cfsan.fda.gov/~dms/fs-eggs2.html>, and <http://www.cfsan.fda.gov/~dms/fs-eggs4.html>. Information for retail and food service establishments and institutional

facilities about handling and cooking shell eggs is available in the Food Code at <http://www.cfsan.fda.gov/~dms/foodcode.html>.

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## Blood Safety Monitoring Among Persons with Bleeding Disorders — United States, May 1998–June 2002

Since 1998, CDC has collaborated with approximately 140 federally funded hemophilia treatment centers (HTCs) in the United States and its territories through the Universal Data Collection (UDC) surveillance project to monitor blood product safety and detect new viral hepatitis and human immunodeficiency virus (HIV) infections. This report presents findings of investigations conducted during May 1998–June 2002 of 1,149 seroconversions\* for hepatitis viruses identified among persons with bleeding disorders who were enrolled voluntarily in UDC; 99% of hepatitis A virus (HAV) seroconversions and 90% of hepatitis B virus (HBV) seroconversions were attributed to vaccination programs against HAV or HBV. None of these cases was attributable to blood products received during this time, which indicates that the virally inactivated blood factor concentrates used to treat

\*A change of test results from negative in year one of testing to positive in the subsequent year of testing for any reason (e.g., vaccination or other risk factors). Seroconversion is an expected outcome for vaccination.



bleeding disorders are unlikely to transmit viral hepatitis. Regular monitoring of patients ensures the continued safety of blood and blood products.

HTC staff obtain informed consent from each UDC participant and collect a standard set of clinical data and a plasma specimen. Data presented on standardized registration, annual, and laboratory forms are sent to CDC along with annual blood specimens from all UDC patients. Specimen remainders are stored in a blood-safety repository for future investigations of blood safety. All plasma specimens are tested for hepatitis viruses at Baylor College of Medicine. UDC participants are tested for hepatitis at enrollment according to algorithms that determine whether patients have been exposed to or infected with a virus. Participants who test negative for a virus are retested in subsequent years to monitor for seroconversions. Possible seroconversions are evaluated for HAV by testing for IgM antibody to HAV and total antibody to HAV; for HBV by testing for antibody to hepatitis B surface antigen (anti-HBs), antibody to hepatitis B core antigen (anti-HBc), and hepatitis B surface antigen (HBsAg); and for hepatitis C virus (HCV) by testing for antibody to hepatitis C (anti-HCV), which is confirmed with recombinant immunoblot assay and/or HCV-RNA by polymerase chain reaction when needed.

Systematic investigations were conducted when patients were confirmed as seropositive after having tested seronegative in a previous UDC specimen. Laboratory results were compared with information about past infections and vaccinations and with data about exposure to blood components or plasma derivatives. If the change in laboratory results could not be explained on the basis of these data, CDC contacted HTC staff for additional information on other potential risk factors for infection and on the setting of potential transmission, including blood-product manufacturer and lot number. Resolution of discrepancies generally required repeat testing of previously drawn specimens; less often, repeat testing was performed on newly drawn specimens. Patients' identities were not disclosed by HTCs.

During May 1998–June 2002, a total of 11,171 patients with hemophilia and other bleeding disorders were enrolled in UDC; 6,931 (62%) had hemophilia A, 1,866 (16%) had hemophilia B, 2,078 (19%) had von Willebrand disease, and 296 (3%) had other congenital bleeding disorders. A total of 6,219 (56%) patients were newly enrolled in UDC and so had been tested only once; these persons will be tested again in subsequent years. Of the 4,952 (44%) patients who had blood testing in  $\geq 2$  years, 1,149 (23%) had seroconversions to hepatitis viruses: 896 (18%) to anti-HAV; 252 (5%) to anti-HBs, anti-HBc, or HBsAg; and one (<1%) to anti-HCV. Because 896 (99%) HAV seroconversions and 227 (90%)

HBV seroconversions could be attributed to vaccination programs, and the remainder could be attributed to other sources, no seroconversions were attributed to exposure to blood derivatives used during the surveillance interval.

No participants who seroconverted to anti-HAV were IgM-positive when the tests were performed. Being IgM-positive is a marker of acute infection with HAV that persists for 3–6 months in the majority of patients (1).

Of 896 persons who seroconverted to total anti-HAV in the second year of testing, 890 (99%) had completed the hepatitis A vaccination series, had received a booster injection, or were in the process of being vaccinated. Because none of the six participants who seroconverted in the absence of vaccination had received blood products between tests, these infections were presumed to be community-acquired.

Of 252 persons who seroconverted to one or more HBV markers, 227 (90%) who seroconverted only to anti-HBs had received either a full, partial, or booster vaccination between their first- and second-year tests. The remaining 25 who tested negative in initial UDC testing for anti-HBs, anti-HBc, or HBsAg and then tested positive subsequently were documented by HTC staff to have a previous history of HBV infection caused by past exposure to blood products. All these 25 participants also were HIV-infected from blood products used before enrollment in UDC.

One seroconversion for HCV occurred 6 months after collection of an initial negative UDC specimen. Local health authorities investigated this seroconversion and determined that the most likely source of this infection was injection-drug use; the patient's HIV status was negative.

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**Editorial Note:** HTCs provide care to 70% of persons in the United States with bleeding disorders. UDC is the largest data collection system monitoring persons receiving plasma derivatives, and infections transmitted by blood and blood products often are identified first in this sentinel population (2). A high risk for bloodborne viral infections (including HBV and HCV) among persons with bleeding disorders was associated with the use of clotting factor concentrates prepared from large pools of human plasma manufactured during the 1970s and early 1980s before the development of viral inactivation procedures (3,4). In the early 1990s, several outbreaks of HAV associated with the receipt of clotting factors were reported in Europe and the United States (5,6).

Investigations of seroconversions during May 1998–July 2002 did not document new cases of viral hepatitis infections that were attributed to blood products received during the

time interval between laboratory tests. The majority of seroconversions for HAV and HBV were associated with vaccination (99% and 90%, respectively). The other seroconversions probably were caused either by community-acquired infection (for the six HAV infections) or by fluctuations in antibody levels that occur among HIV-infected patients (for the 25 persons with HBV seroconversions who also were infected with HIV) (7).

This report suggests that currently available blood factor concentrates most likely do not transmit HBV or HCV. Transmission of HAV remains a remote risk because the viral inactivation procedures used for plasma derivatives are unable to inactivate non-enveloped viruses such as HAV completely (8). Sporadic cases occur when plasma obtained from an asymptomatic donor who is incubating the infection is added inadvertently to a plasma pool used to manufacture derivatives. Because of the wide distribution of these products, such sporadic product-related cases can be identified only by monitoring large populations for clusters of cases that occur at the same time and that are associated with the use of a single product lot.

The findings in this report are subject to at least two limitations. First, because not all persons with bleeding disorders participated in the surveillance, some seroconversions might have been missed. Second, because patient or health-care provider reports of vaccination were used instead of medical record documentation, some seroconversions might have been attributed incorrectly to vaccination.

UDC promotes prevention and reduction of the complications of bleeding disorders and provides health agencies with timely risk data to support policy decision making. In addition, UDC has led to high levels of vaccination coverage, which is recommended for persons with bleeding disorders (9,10).

Regular testing of patients with bleeding disorders through UDC monitors the safety of blood and blood products and provides the national repository of stored serum for assessment of potential new threats to the blood supply.

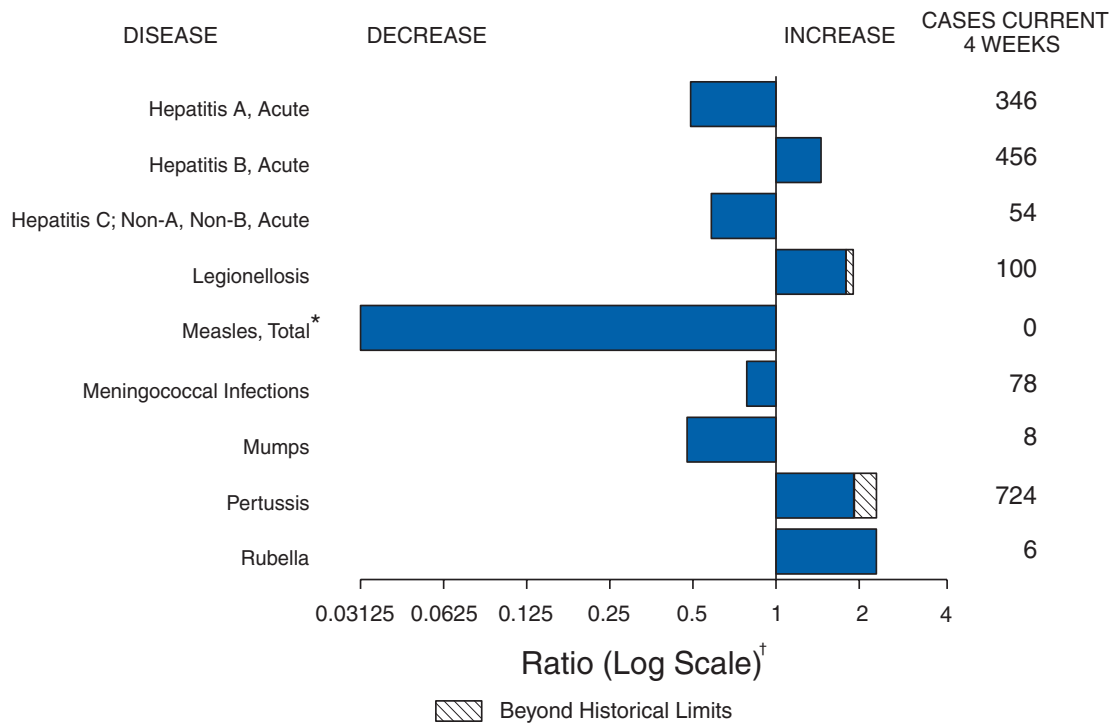
#### Acknowledgment

This article is based on data supplied by the staff of federally funded hemophilia treatment centers who enrolled patients in the surveillance system and assisted with the investigations.

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**FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals ending December 21, 2002, with historical data**



\* No measles cases were reported for the current 4-week period yielding a ratio for week 51 of zero (0).

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

**TABLE I. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending December 21, 2002 (51st Week)\***

	Cum. 2002	Cum. 2001		Cum. 2002	Cum. 2001
Anthrax	2	22	Encephalitis: West Nile <sup>†</sup>	1,770	57
Botulism: foodborne	13	34	Hansen disease (leprosy) <sup>†</sup>	73	72
infant	55	91	Hantavirus pulmonary syndrome <sup>†</sup>	16	8
other (wound & unspecified)	28	19	Hemolytic uremic syndrome, postdiarrheal <sup>†</sup>	183	184
Brucellosis <sup>†</sup>	80	129	HIV infection, pediatric <sup>†§</sup>	163	203
Chancroid	67	37	Plague	1	2
Cholera	5	5	Poliomyelitis, paralytic	-	-
Cyclosporiasis <sup>†</sup>	156	143	Psittacosis <sup>†</sup>	17	24
Diphtheria	1	2	Q fever <sup>†</sup>	49	24
Ehrlichiosis: human granulocytic (HGE) <sup>†</sup>	375	221	Rabies, human	2	1
human monocytic (HME) <sup>†</sup>	167	116	Streptococcal toxic-shock syndrome <sup>†</sup>	84	76
other and unspecified	14	6	Tetanus	22	33
Encephalitis: California serogroup viral <sup>†</sup>	131	117	Toxic-shock syndrome	112	118
eastern equine <sup>†</sup>	7	8	Trichinosis	13	21
Powassan <sup>†</sup>	1	-	Tularemia <sup>†</sup>	60	128
St. Louis <sup>†</sup>	13	79	Yellow fever	1	-
western equine <sup>†</sup>	3	-			

-:No reported cases.

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

† Not notifiable in all states.

§ Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP). Last update November 24, 2002.

**TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending December 21, 2002, and December 22, 2001 (51st Week)\***

Reporting Area	AIDS		Chlamydia†		Cryptosporidiosis		Escherichia coli, Enterohemorrhagic			
	Cum. 2002§	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	O157:H7		Shiga Toxin Positive, Serogroup non-O157	
							Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	38,878	40,344	754,858	762,547	2,721	3,700	3,529	3,172	159	159
NEW ENGLAND	1,488	1,461	26,678	23,883	176	149	261	245	32	42
Maine	28	48	1,733	1,306	12	18	40	27	5	1
N.H.	35	38	1,529	1,362	29	17	32	36	-	3
Vt.	12	26	917	632	33	34	14	14	1	1
Mass.	754	749	10,775	10,155	63	55	116	114	9	10
R.I.	97	93	2,782	2,869	21	8	14	16	-	1
Conn.	562	507	8,942	7,559	18	17	45	38	17	26
MID. ATLANTIC	8,998	11,403	82,262	85,787	349	351	251	237	-	-
Upstate N.Y.	946	1,421	16,527	15,042	142	108	179	149	-	-
N.Y. City	5,290	6,570	25,921	29,179	131	123	17	16	-	-
N.J.	1,304	1,672	11,501	15,394	11	24	55	72	-	-
Pa.	1,458	1,740	28,313	26,172	65	96	N	N	-	-
E.N. CENTRAL	4,221	2,835	129,963	140,998	872	1,582	830	803	19	12
Ohio	766	531	30,399	37,084	120	181	151	226	15	10
Ind.	482	342	16,468	15,126	59	82	78	85	1	-
Ill.	2,094	1,254	35,843	42,889	88	482	171	171	-	-
Mich.	701	527	31,539	29,637	122	181	135	102	3	2
Wis.	178	181	15,714	16,262	483	656	295	219	-	-
W.N. CENTRAL	716	838	41,588	38,864	410	528	503	505	38	40
Minn.	149	130	9,444	8,221	215	183	167	210	33	30
Iowa	85	86	5,144	4,927	47	81	122	79	-	-
Mo.	337	421	15,049	13,768	34	54	69	66	N	N
N. Dak.	3	2	801	1,025	20	13	17	19	-	3
S. Dak.	10	23	2,163	1,794	31	8	40	43	2	6
Nebr.	64	77	2,633	3,176	47	185	54	60	3	1
Kans.	68	99	6,354	5,953	16	4	34	28	-	-
S. ATLANTIC	11,487	11,910	147,018	145,855	315	377	448	249	40	38
Del.	180	247	2,612	2,752	3	6	9	4	-	1
Md.	1,676	1,831	16,501	15,093	22	40	26	29	-	-
D.C.	769	778	3,251	3,252	5	14	3	-	-	-
Va.	816	985	16,993	17,746	31	27	63	50	10	6
W. Va.	80	94	2,203	2,336	3	2	9	10	-	-
N.C.	971	915	24,516	21,056	36	31	226	57	-	-
S.C.	792	684	11,378	15,316	6	7	5	23	-	-
Ga.	1,536	1,521	30,593	31,619	107	160	42	45	9	10
Fla.	4,667	4,855	38,971	36,685	102	90	65	31	21	21
E.S. CENTRAL	1,844	1,769	47,165	49,569	123	54	110	141	-	1
Ky.	288	332	8,597	8,797	10	5	30	64	-	1
Tenn.	764	583	15,575	14,997	59	16	48	47	-	-
Ala.	388	438	12,945	14,168	44	18	21	18	-	-
Miss.	404	416	10,048	11,607	10	15	11	12	-	-
W.S. CENTRAL	3,867	4,094	103,322	104,647	36	129	74	217	-	-
Ark.	223	199	7,041	7,245	8	10	12	16	-	-
La.	905	797	18,084	17,720	6	8	2	8	-	-
Okla.	181	244	10,484	10,458	16	15	23	34	-	-
Tex.	2,558	2,854	67,713	69,224	6	96	37	159	-	-
MOUNTAIN	1,319	1,333	47,338	45,707	159	240	360	292	22	20
Mont.	11	15	2,355	1,852	6	37	31	20	-	-
Idaho	28	19	2,484	1,990	30	23	49	76	11	5
Wyo.	8	4	927	817	9	7	15	10	2	2
Colo.	286	299	13,413	13,117	57	43	101	87	5	7
N. Mex.	81	147	6,319	6,054	20	30	13	16	3	6
Ariz.	559	489	14,199	14,140	18	11	36	30	1	-
Utah	63	107	2,680	2,957	15	82	87	35	-	-
Nev.	283	253	4,961	4,780	4	7	28	18	-	-
PACIFIC	4,937	4,701	129,524	127,237	281	290	692	483	8	6
Wash.	449	473	14,630	13,361	43	U	144	130	-	-
Oreg.	311	216	6,760	7,297	40	58	223	85	8	6
Calif.	4,039	3,869	100,312	99,966	195	228	276	243	-	-
Alaska	30	19	3,590	2,632	1	1	8	4	-	-
Hawaii	108	124	4,232	3,981	2	3	41	21	-	-
Guam	3	11	-	389	-	-	N	N	-	-
P.R.	1,045	1,111	1,997	2,710	-	-	-	2	-	-
V.I.	74	11	125	142	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U	U	U
C.N.M.I.	3	U	154	U	-	U	-	U	-	U

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 November 24, 2002.



TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending December 21, 2002, and December 22, 2001 (51st Week)\*

Reporting Area	<i>Escherichia coli</i> <i>Enterohemorrhagic</i>		Giardiasis	Gonorrhea		<i>Haemophilus influenzae</i> , Invasive			
	Shiga Toxin Positive, Not Serogrouped			Cum. 2002	Cum. 2001	All Ages, All Serotypes		Age <5 Years Serotype B	
	Cum. 2002	Cum. 2001				Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	37	19	16,631	318,796	352,511	1,445	1,448	27	23
NEW ENGLAND	1	1	1,646	7,439	6,832	125	111	-	1
Maine	-	-	212	140	141	2	2	-	-
N.H.	-	-	43	121	176	10	7	-	-
Vt.	1	1	145	96	75	7	5	-	-
Mass.	-	-	830	3,212	3,133	50	42	-	1
R.I.	-	-	156	914	818	10	7	-	-
Conn.	-	-	260	2,956	2,489	46	48	-	-
MID. ATLANTIC	-	3	3,637	38,005	42,895	258	224	6	3
Upstate N.Y.	-	-	1,226	8,492	8,709	117	79	2	-
N.Y. City	-	-	1,319	10,903	12,422	63	58	-	-
N.J.	-	-	351	6,705	8,545	48	48	-	-
Pa.	-	3	741	11,905	13,219	30	39	4	3
E.N. CENTRAL	13	7	3,186	63,621	73,930	202	271	4	2
Ohio	12	7	934	17,173	20,808	77	74	-	1
Ind.	-	-	-	7,116	6,901	42	51	2	-
Ill.	-	-	736	19,060	23,521	58	99	-	-
Mich.	1	-	904	14,415	16,713	17	13	2	-
Wis.	-	-	612	5,857	5,987	8	34	-	1
W.N. CENTRAL	4	4	2,025	16,194	16,723	70	78	1	1
Minn.	-	-	821	2,887	2,657	47	46	1	-
Iowa	-	-	307	1,229	1,330	1	-	-	-
Mo.	N	N	485	8,471	8,595	12	20	-	-
N. Dak.	2	4	28	47	55	-	7	-	-
S. Dak.	-	-	73	262	280	-	-	-	-
Nebr.	-	-	133	723	1,153	1	3	-	1
Kans.	2	-	178	2,575	2,653	9	2	-	-
S. ATLANTIC	1	-	2,759	82,662	90,459	346	358	4	1
Del.	-	-	51	1,552	1,693	-	-	-	-
Md.	-	-	114	9,022	9,144	89	88	2	-
D.C.	-	-	45	2,619	2,840	-	-	-	-
Va.	-	-	328	9,523	10,649	32	28	-	-
W. Va.	1	-	59	875	719	16	16	-	1
N.C.	-	-	-	15,445	16,014	31	49	-	-
S.C.	-	-	128	6,918	10,801	14	8	-	-
Ga.	-	-	754	16,744	17,561	76	99	-	-
Fla.	-	-	1,280	19,964	21,038	88	70	2	-
E.S. CENTRAL	8	3	379	27,104	32,072	66	76	1	-
Ky.	8	3	-	3,716	3,547	7	2	-	-
Tenn.	-	-	176	9,069	9,883	34	44	-	-
Ala.	-	-	203	8,459	11,014	16	28	1	-
Miss.	-	-	-	5,860	7,628	9	2	-	-
W.S. CENTRAL	4	-	246	46,272	51,389	61	57	2	3
Ark.	-	-	169	4,412	4,604	1	2	-	-
La.	-	-	5	11,176	12,202	11	10	-	1
Okla.	-	-	72	4,519	4,765	45	43	-	-
Tex.	4	-	-	26,165	29,818	4	2	2	2
MOUNTAIN	6	1	1,676	10,427	10,238	188	144	6	8
Mont.	-	-	93	119	101	-	-	-	-
Idaho	-	-	132	94	74	2	2	-	-
Wyo.	-	-	29	63	77	1	1	-	-
Colo.	6	1	564	3,344	3,148	34	38	-	-
N. Mex.	-	-	136	1,322	1,021	27	28	-	1
Ariz.	-	-	238	3,566	3,863	94	54	4	4
Utah	-	-	327	278	216	18	9	1	1
Nev.	-	-	157	1,641	1,738	12	12	1	2
PACIFIC	-	-	1,077	27,072	27,973	129	129	3	4
Wash.	-	-	398	2,848	2,937	4	7	2	-
Oreg.	-	-	441	893	1,125	62	38	-	-
Calif.	-	-	45	22,027	22,882	25	55	1	4
Alaska	-	-	106	593	435	2	6	-	-
Hawaii	-	-	87	711	594	36	23	-	-
Guam	-	-	-	-	48	-	-	-	-
P.R.	-	-	38	292	586	1	2	-	-
V.I.	-	-	-	31	35	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U	U
C.N.M.I.	-	U	1	14	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 December 21, 2002, and December 22, 2001 (51st Week)\*

Reporting Area	<i>Haemophilus influenzae</i> , Invasive				Hepatitis (Viral, Acute), By Type					
	Age <5 Years									
	Non-Serotype B		Unknown Serotype		A		B		C; Non-A, Non-B	
	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	234	237	18	28	7,981	10,156	6,660	7,169	3,585	3,774
NEW ENGLAND	14	15	-	-	282	723	278	140	23	33
Maine	-	-	-	-	8	11	15	5	-	-
N.H.	-	1	-	-	11	18	22	16	-	-
Vt.	-	-	-	-	3	16	5	5	13	7
Mass.	7	7	-	-	138	372	139	39	9	26
R.I.	-	-	-	-	32	72	30	28	1	-
Conn.	7	7	-	-	90	234	67	47	-	-
MID. ATLANTIC	28	37	1	3	1,061	1,273	1,588	1,363	1,933	1,320
Upstate N.Y.	12	10	-	1	178	273	139	128	69	30
N.Y. City	8	13	-	-	517	443	832	645	-	-
N.J.	5	6	-	-	161	282	385	285	1,828	1,206
Pa.	3	8	1	2	205	275	232	305	36	84
E.N. CENTRAL	36	40	1	2	1,033	1,185	685	951	107	159
Ohio	9	13	1	-	323	251	116	92	4	9
Ind.	8	7	-	1	47	97	59	49	-	1
Ill.	12	14	-	-	262	430	146	155	13	12
Mich.	5	-	-	1	223	325	321	609	86	137
Wis.	2	6	-	-	178	82	43	46	4	-
W.N. CENTRAL	8	6	3	6	302	388	228	225	753	1,110
Minn.	6	4	1	2	47	42	36	31	1	12
Iowa	-	-	-	-	80	36	20	24	1	-
Mo.	-	-	2	4	82	87	121	123	732	1,082
N. Dak.	-	1	-	-	3	3	5	2	-	-
S. Dak.	-	-	-	-	3	3	2	1	1	-
Nebr.	1	1	-	-	17	36	22	30	13	8
Kans.	1	-	-	-	70	181	22	14	5	8
S. ATLANTIC	42	47	2	7	2,274	2,557	1,521	1,541	205	108
Del.	-	-	-	-	13	16	7	29	6	11
Md.	4	9	-	2	296	288	122	138	8	9
D.C.	-	-	-	-	80	73	21	13	-	-
Va.	5	5	-	-	152	134	193	177	16	2
W. Va.	1	1	1	1	23	28	18	25	3	9
N.C.	3	2	-	4	203	240	225	214	26	21
S.C.	2	1	-	-	65	75	121	30	4	6
Ga.	12	20	-	-	386	921	288	425	45	-
Fla.	15	9	1	-	1,056	782	526	490	97	50
E.S. CENTRAL	15	13	1	4	256	418	369	484	193	191
Ky.	2	-	-	1	43	131	50	57	4	11
Tenn.	8	7	-	2	117	171	133	249	34	67
Ala.	3	5	1	1	39	79	106	88	11	5
Miss.	2	1	-	-	57	37	80	90	144	108
W.S. CENTRAL	14	9	1	-	581	808	588	817	201	666
Ark.	-	1	-	-	65	70	92	102	9	13
La.	2	2	1	-	71	86	100	120	70	150
Okla.	10	6	-	-	49	111	50	97	5	4
Tex.	2	-	-	-	396	541	346	498	117	499
MOUNTAIN	50	26	8	1	568	721	623	475	64	57
Mont.	-	-	-	-	13	13	10	3	1	1
Idaho	1	-	-	-	30	57	7	11	1	2
Wyo.	-	-	-	-	3	7	17	3	5	8
Colo.	3	3	-	-	74	88	76	103	15	10
N. Mex.	6	12	1	1	29	40	144	135	1	12
Ariz.	31	8	6	-	304	380	239	147	7	9
Utah	5	3	-	-	65	66	62	23	4	3
Nev.	4	-	1	-	50	70	68	50	30	12
PACIFIC	27	44	1	5	1,624	2,083	780	1,173	106	130
Wash.	2	4	-	2	145	160	68	141	25	23
Oreg.	5	7	-	-	67	103	120	167	17	15
Calif.	15	31	1	1	1,398	1,789	575	836	64	92
Alaska	2	1	-	-	12	14	6	9	-	-
Hawaii	3	1	-	2	2	17	11	20	-	-
Guam	-	-	-	-	-	2	-	-	-	-
P.R.	-	1	-	-	96	229	84	266	-	1
V.I.	-	-	-	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U	U	U
C.N.M.I.	-	U	-	U	-	U	37	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 December 21, 2002, and December 22, 2001 (51st Week)\*

Reporting Area	Legionellosis		Listeriosis		Lyme Disease		Malaria		Measles Total	
	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	1,163	1,083	577	588	18,008	14,985	1,224	1,431	36 <sup>†</sup>	114 <sup>§</sup>
NEW ENGLAND	101	73	58	56	6,274	4,448	70	102	-	5
Maine	5	8	5	2	111	-	6	5	-	-
N.H.	7	12	4	4	244	114	7	2	-	-
Vt.	35	5	3	3	36	18	4	1	-	1
Mass.	30	21	31	30	1,559	1,163	26	52	-	3
R.I.	9	13	1	2	346	493	11	13	-	-
Conn.	15	14	14	15	3,978	2,660	16	29	-	1
MID. ATLANTIC	325	263	164	106	9,640	8,182	329	426	7	20
Upstate N.Y.	109	69	56	28	4,987	3,552	46	64	1	4
N.Y. City	60	43	35	25	169	63	213	250	6	7
N.J.	29	24	33	20	1,763	2,014	36	65	-	1
Pa.	127	127	40	33	2,721	2,553	34	47	-	8
E.N. CENTRAL	263	313	79	87	108	717	130	172	3	10
Ohio	119	142	26	16	75	43	24	27	1	3
Ind.	26	22	12	8	20	24	14	16	2	4
Ill.	-	24	12	24	-	32	30	70	-	3
Mich.	84	81	22	25	13	21	46	39	-	-
Wis.	34	44	7	14	U	597	16	20	-	-
W.N. CENTRAL	62	48	21	21	468	406	57	38	3	5
Minn.	17	9	5	3	369	331	17	6	1	3
Iowa	12	8	3	2	42	35	4	9	-	-
Mo.	18	22	9	10	40	34	16	15	2	2
N. Dak.	1	1	1	-	1	-	1	-	-	-
S. Dak.	4	3	1	-	2	-	1	-	-	-
Nebr.	10	4	1	1	6	4	5	2	-	-
Kans.	-	1	1	5	8	2	13	6	-	-
S. ATLANTIC	219	180	81	79	1,265	948	323	285	4	5
Del.	10	12	-	2	178	152	4	2	-	-
Md.	54	32	20	16	672	585	109	111	-	3
D.C.	6	8	-	-	22	17	20	13	-	-
Va.	30	28	7	13	149	118	32	49	-	1
W. Va.	N	N	-	5	17	13	3	1	-	-
N.C.	13	11	8	6	127	41	22	19	-	-
S.C.	9	14	8	5	20	5	7	8	-	-
Ga.	17	12	12	16	1	-	48	45	2	1
Fla.	80	63	26	16	79	17	78	37	2	-
E.S. CENTRAL	48	60	20	23	52	72	20	36	12	2
Ky.	21	13	4	7	23	23	7	14	-	2
Tenn.	19	30	11	9	26	31	3	12	-	-
Ala.	8	13	4	7	3	10	5	6	12	-
Miss.	-	4	1	-	-	8	5	4	-	-
W.S. CENTRAL	24	27	20	34	40	84	22	88	1	1
Ark.	-	-	-	1	3	1	2	3	-	-
La.	4	7	-	-	4	8	4	6	-	-
Okla.	3	3	9	2	-	-	10	3	-	-
Tex.	17	17	11	31	33	75	6	76	1	1
MOUNTAIN	52	57	30	38	19	13	51	64	2	2
Mont.	3	-	-	-	-	-	2	3	-	-
Idaho	2	3	2	1	4	5	-	4	-	1
Wyo.	1	3	-	2	2	1	-	1	-	-
Colo.	8	17	7	10	1	-	24	24	-	-
N. Mex.	2	3	3	7	1	1	3	3	-	-
Ariz.	14	20	14	9	3	2	13	16	-	1
Utah	17	7	3	2	7	1	6	4	1	-
Nev.	5	4	1	7	1	3	3	9	1	-
PACIFIC	69	62	104	144	142	115	222	220	4	64
Wash.	7	10	8	10	10	7	23	15	-	15
Oreg.	N	N	9	12	15	15	11	17	-	3
Calif.	61	46	79	116	114	91	178	174	3	39
Alaska	-	1	-	-	3	2	2	1	-	-
Hawaii	1	5	8	6	N	N	8	13	1	7
Guam	-	-	-	-	-	-	-	1	-	-
P.R.	-	2	1	-	N	N	-	5	-	1
V.I.	-	-	-	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U	U	U
C.N.M.I.	-	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 36 cases reported, 23 were indigenous and 13 were imported from another country.

§ Of 114 cases reported, 60 were indigenous and 54 were imported from another country.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending December 21, 2002, and December 22, 2001 (51st Week)\*

Reporting Area	Meningococcal Disease		Mumps		Pertussis		Rabies, Animal	
	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	1,578	2,222	236	248	7,845	6,051	6,080	6,902
NEW ENGLAND	89	110	6	2	788	690	893	734
Maine	9	7	-	-	17	22	61	69
N.H.	14	14	4	-	57	28	48	21
Vt.	4	7	-	-	160	92	89	61
Mass.	42	56	1	2	511	521	297	278
R.I.	5	6	-	-	16	6	75	71
Conn.	15	20	1	-	27	21	323	234
MID. ATLANTIC	155	246	25	29	494	379	1,146	1,299
Upstate N.Y.	48	70	6	4	364	149	693	777
N.Y. City	23	42	2	13	13	58	24	38
N.J.	27	43	-	4	1	23	186	196
Pa.	57	91	17	8	116	149	243	288
E.N. CENTRAL	202	351	38	29	910	867	148	158
Ohio	74	91	14	1	420	323	39	52
Ind.	32	42	2	3	152	95	32	15
Ill.	36	85	14	18	154	106	31	24
Mich.	44	82	7	5	59	147	46	47
Wis.	16	51	1	2	125	196	-	20
W.N. CENTRAL	151	167	17	16	734	460	437	367
Minn.	35	26	4	5	367	207	35	46
Iowa	27	31	1	1	143	101	79	84
Mo.	50	58	5	4	144	104	50	40
N. Dak.	3	6	1	-	3	5	36	41
S. Dak.	2	5	-	-	6	5	79	57
Nebr.	26	26	-	1	8	7	-	4
Kans.	8	15	6	5	63	31	158	95
S. ATLANTIC	278	338	23	43	394	351	2,491	2,421
Del.	7	6	-	-	4	-	53	30
Md.	9	41	5	8	63	52	352	496
D.C.	-	-	-	-	2	1	-	-
Va.	41	40	4	8	140	140	505	485
W. Va.	4	14	-	-	32	4	169	140
N.C.	32	63	2	5	45	74	705	563
S.C.	32	33	3	7	43	33	142	111
Ga.	30	55	2	9	14	23	375	398
Fla.	123	86	7	6	51	24	190	198
E.S. CENTRAL	90	141	13	9	253	199	172	203
Ky.	15	27	3	3	93	92	27	29
Tenn.	38	61	2	1	114	65	108	106
Ala.	23	34	3	-	37	37	33	64
Miss.	14	19	5	5	9	5	4	4
W.S. CENTRAL	189	327	12	14	1,567	774	229	1,101
Ark.	24	24	-	-	489	251	8	-
La.	39	77	1	2	7	12	-	9
Okla.	22	32	-	-	66	34	119	60
Tex.	104	194	11	12	1,005	477	102	1,032
MOUNTAIN	93	98	21	16	1,354	1,449	292	253
Mont.	3	4	-	1	9	53	19	38
Idaho	5	8	2	2	152	170	38	28
Wyo.	-	5	-	2	11	1	18	28
Colo.	24	38	3	3	427	381	59	-
N. Mex.	4	11	1	2	188	136	7	15
Ariz.	31	16	1	1	412	592	127	128
Utah	6	8	8	1	107	76	13	15
Nev.	20	8	6	4	48	40	11	1
PACIFIC	331	444	81	90	1,351	882	272	366
Wash.	63	64	-	2	439	168	-	-
Oreg.	45	60	N	N	188	53	13	4
Calif.	210	304	65	47	702	605	235	318
Alaska	4	3	-	1	5	15	24	44
Hawaii	9	13	16	40	17	41	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	5	8	-	1	3	-	49	98
V.I.	-	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U
C.N.M.I.	-	U	-	U	1	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 December 21, 2002, and December 22, 2001 (51st Week)\*

Reporting Area	Rocky Mountain Spotted Fever		Rubella				Salmonellosis	
	Cum. 2002	Cum. 2001	Rubella		Congenital Rubella		Cum. 2002	Cum. 2001
			Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001		
UNITED STATES	961	597	13	21	3	3	40,516	39,175
NEW ENGLAND	10	3	-	-	-	-	2,135	2,291
Maine	-	-	-	-	-	-	146	165
N.H.	-	1	-	-	-	-	137	163
Vt.	-	-	-	-	-	-	75	81
Mass.	6	2	-	-	-	-	1,168	1,314
R.I.	4	-	-	-	-	-	171	139
Conn.	-	-	-	-	-	-	438	429
MID. ATLANTIC	40	32	1	8	-	-	5,122	5,146
Upstate N.Y.	9	2	1	1	-	-	1,539	1,230
N.Y. City	9	2	-	6	-	-	1,439	1,303
N.J.	2	9	-	1	-	-	757	1,163
Pa.	20	19	-	-	-	-	1,387	1,450
E.N. CENTRAL	19	16	1	2	-	1	5,158	4,927
Ohio	13	2	-	-	-	1	1,371	1,343
Ind.	3	1	-	-	-	-	508	520
Ill.	-	12	-	2	-	-	1,556	1,366
Mich.	3	1	1	-	-	-	866	876
Wis.	-	-	-	-	-	-	857	822
W.N. CENTRAL	100	68	-	3	-	-	2,617	2,290
Minn.	-	-	-	-	-	-	599	637
Iowa	3	2	-	1	-	-	516	334
Mo.	92	62	-	1	-	-	865	634
N. Dak.	-	1	-	-	-	-	43	62
S. Dak.	1	2	-	-	-	-	108	147
Nebr.	4	1	-	-	-	-	150	164
Kans.	-	-	-	1	-	-	336	312
S. ATLANTIC	494	305	6	5	-	1	11,111	9,402
Del.	4	12	1	-	-	-	95	94
Md.	56	39	-	1	-	-	939	793
D.C.	2	1	-	-	-	-	76	81
Va.	42	31	-	-	-	1	1,228	1,301
W. Va.	2	1	-	-	-	-	152	141
N.C.	285	177	-	-	-	-	1,574	1,368
S.C.	69	31	-	2	-	-	809	876
Ga.	19	9	-	-	-	-	1,694	1,696
Fla.	15	4	5	2	-	-	4,544	3,052
E.S. CENTRAL	113	119	-	-	1	-	3,247	2,690
Ky.	5	2	-	-	-	-	396	372
Tenn.	84	83	-	-	1	-	839	661
Ala.	20	18	-	-	-	-	872	746
Miss.	4	16	-	-	-	-	1,140	911
W.S. CENTRAL	163	42	1	1	1	-	3,554	4,972
Ark.	97	9	-	-	-	-	1,047	908
La.	-	2	-	-	1	-	805	823
Okla.	61	31	-	-	-	-	505	475
Tex.	5	-	1	1	-	-	1,197	2,766
MOUNTAIN	14	11	1	-	-	-	2,344	2,198
Mont.	1	1	-	-	-	-	89	78
Idaho	-	1	-	-	-	-	169	143
Wyo.	5	2	-	-	-	-	105	61
Colo.	2	2	-	-	-	-	598	586
N. Mex.	1	1	-	-	-	-	320	279
Ariz.	-	-	-	-	-	-	681	637
Utah	-	3	1	-	-	-	199	218
Nev.	5	1	-	-	-	-	183	196
PACIFIC	8	1	3	2	1	1	5,228	5,259
Wash.	-	-	-	-	-	-	493	545
Oreg.	3	1	-	-	-	-	344	274
Calif.	5	-	3	1	-	-	4,041	4,039
Alaska	-	-	-	-	-	-	79	49
Hawaii	-	-	-	1	1	1	271	352
Guam	-	-	-	-	-	-	-	24
P.R.	-	-	-	3	-	-	201	914
V.I.	-	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U
C.N.M.I.	-	U	-	U	-	U	25	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 December 21, 2002, and December 22, 2001 (51st Week)\*

Reporting Area	Shigellosis		Streptococcal Disease, Invasive, Group A		Streptococcus pneumoniae, Drug Resistant, Invasive		Streptococcus pneumoniae, Invasive (<5 Years)	
	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	19,049	19,411	3,891	3,518	2,190	2,559	283	424
NEW ENGLAND	329	303	173	220	21	136	3	48
Maine	12	6	20	12	-	-	-	-
N.H.	13	7	35	N	-	-	N	N
Vt.	1	7	10	16	5	9	2	1
Mass.	187	206	93	67	N	N	N	N
R.I.	17	23	15	13	16	13	1	4
Conn.	99	54	-	112	-	114	-	43
MID. ATLANTIC	1,463	1,463	637	652	119	171	74	114
Upstate N.Y.	358	468	288	259	93	162	72	114
N.Y. City	450	409	148	164	U	U	U	U
N.J.	403	268	136	143	N	N	N	N
Pa.	252	318	65	86	26	9	2	-
E.N. CENTRAL	1,808	4,395	744	768	248	173	121	129
Ohio	661	2,949	202	196	78	3	29	-
Ind.	107	223	48	61	165	170	66	59
Ill.	672	621	196	250	2	-	-	70
Mich.	196	301	297	210	3	-	N	N
Wis.	172	301	1	51	N	N	26	-
W.N. CENTRAL	996	1,952	247	370	430	164	60	63
Minn.	222	432	129	176	292	74	59	54
Iowa	123	359	-	-	N	N	N	N
Mo.	209	316	46	74	5	11	1	-
N. Dak.	16	22	3	17	1	6	-	9
S. Dak.	156	642	13	12	1	5	-	-
Nebr.	179	105	18	40	29	25	N	N
Kans.	91	76	38	51	102	43	N	N
S. ATLANTIC	7,136	3,158	732	569	1,111	1,342	8	9
Del.	397	17	2	4	3	6	N	N
Md.	1,232	157	145	N	N	N	N	N
D.C.	61	54	9	22	57	11	1	4
Va.	1,000	594	71	79	N	N	N	N
W. Va.	12	8	19	20	46	41	7	5
N.C.	550	354	113	144	N	N	U	U
S.C.	127	247	35	13	186	278	N	N
Ga.	1,339	705	124	180	195	419	N	N
Fla.	2,418	1,022	214	107	624	587	N	N
E.S. CENTRAL	1,501	1,727	112	117	130	239	-	-
Ky.	198	817	21	38	18	26	N	N
Tenn.	140	119	91	79	112	212	N	N
Ala.	825	210	-	-	-	1	N	N
Miss.	338	581	-	-	-	-	-	-
W.S. CENTRAL	1,765	2,929	117	315	88	284	12	61
Ark.	196	565	8	-	12	22	-	-
La.	441	252	-	1	75	262	4	61
Okla.	586	108	48	46	N	N	8	-
Tex.	542	2,004	61	268	N	N	-	-
MOUNTAIN	1,076	976	586	421	43	46	5	-
Mont.	4	9	-	-	-	-	-	-
Idaho	19	40	11	7	N	N	N	N
Wyo.	9	7	7	12	11	10	-	-
Colo.	211	244	145	159	-	-	-	-
N. Mex.	231	120	109	90	31	34	-	-
Ariz.	513	424	283	150	-	-	N	N
Utah	42	62	31	3	-	-	5	-
Nev.	47	70	-	-	1	2	-	-
PACIFIC	2,975	2,508	543	86	-	4	-	-
Wash.	174	213	65	-	-	-	N	N
Oreg.	117	114	N	N	N	N	N	N
Calif.	2,614	2,115	381	-	N	N	N	N
Alaska	6	7	-	-	-	-	N	N
Hawaii	64	59	97	86	-	4	-	-
Guam	-	50	-	1	-	-	-	-
P.R.	8	20	N	N	-	-	N	N
V.I.	-	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	-	-	U	U
C.N.M.I.	18	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 December 21, 2002, and December 22, 2001 (51st Week)\*

Reporting Area	Syphilis				Tuberculosis		Typhoid Fever	
	Primary & Secondary		Congenital		Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001				
UNITED STATES	6,240	5,946	349	487	11,878	13,923	262	350
NEW ENGLAND	137	67	1	8	402	454	14	18
Maine	2	1	-	3	20	20	-	1
N.H.	8	1	-	-	17	17	-	2
Vt.	2	3	-	-	6	5	-	-
Mass.	93	41	1	3	235	239	8	12
R.I.	6	9	-	-	37	60	-	-
Conn.	26	12	-	2	87	113	6	3
MID. ATLANTIC	674	525	69	72	2,068	2,249	63	111
Upstate N.Y.	35	20	11	5	286	349	9	15
N.Y. City	413	275	23	32	1,047	1,120	34	48
N.J.	151	136	34	35	484	496	16	38
Pa.	75	94	1	-	251	284	4	10
E.N. CENTRAL	1,075	1,050	64	69	1,191	1,431	19	34
Ohio	164	80	4	2	156	280	7	5
Ind.	71	151	1	13	120	109	2	2
Ill.	330	399	32	44	594	669	1	18
Mich.	482	397	27	6	256	293	4	5
Wis.	28	23	-	4	65	80	5	4
W.N. CENTRAL	105	100	-	9	521	533	9	16
Minn.	53	33	-	2	223	225	3	7
Iowa	2	5	-	-	30	35	-	-
Mo.	29	26	-	5	126	138	2	9
N. Dak.	-	-	-	-	4	4	-	-
S. Dak.	-	1	-	-	12	13	-	-
Nebr.	3	10	-	-	23	38	4	-
Kans.	18	25	-	2	103	80	-	-
S. ATLANTIC	1,709	1,953	79	112	2,457	2,639	42	47
Del.	11	14	-	-	15	15	-	1
Md.	210	261	14	4	270	232	10	10
D.C.	64	43	1	2	-	51	-	-
Va.	68	102	1	5	283	279	7	11
W. Va.	2	5	-	-	28	28	-	-
N.C.	279	436	20	15	417	394	2	3
S.C.	126	235	11	21	147	206	-	-
Ga.	358	385	10	23	387	482	4	12
Fla.	591	472	22	42	910	952	19	10
E. S. CENTRAL	445	653	22	39	733	818	4	1
Ky.	88	48	3	1	131	125	4	-
Tenn.	163	324	11	24	286	292	-	1
Ala.	151	142	4	5	207	265	-	-
Miss.	43	139	4	9	109	136	-	-
W. S. CENTRAL	814	753	69	84	1,569	2,101	6	18
Ark.	34	48	3	9	119	153	-	-
La.	147	174	-	-	-	194	-	-
Okla.	71	60	3	6	142	151	2	-
Tex.	562	471	63	69	1,308	1,603	4	18
MOUNTAIN	300	233	15	35	364	567	10	10
Mont.	-	-	-	-	12	14	-	2
Idaho	9	1	-	-	9	7	-	-
Wyo.	-	1	-	-	3	3	-	-
Colo.	46	23	1	1	56	131	5	1
N. Mex.	38	19	-	2	28	54	1	-
Ariz.	186	171	14	32	211	239	-	2
Utah	8	10	-	-	31	34	2	1
Nev.	13	8	-	-	14	85	2	4
PACIFIC	981	612	30	59	2,573	3,131	95	95
Wash.	66	54	2	-	228	242	6	6
Oreg.	26	13	1	-	107	119	2	8
Calif.	881	533	26	59	2,054	2,574	82	77
Alaska	-	-	-	-	48	50	-	1
Hawaii	8	12	1	-	136	146	5	3
Guam	-	11	-	1	-	63	-	3
P.R.	227	266	15	13	75	95	-	-
V.I.	1	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U
C.N.M.I.	15	U	-	U	32	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 III. Deaths in 122 U.S. cities,\* week ending December 21, 2002 (51st Week)

Reporting Area	All Causes, By Age (Years)							P&I <sup>†</sup> Total	Reporting Area	All Causes, By Age (Years)							P&I <sup>†</sup> Total
	All Ages	≥65	45-64	25-44	1-24	<1	All Ages			≥65	45-64	25-44	1-24	<1			
NEW ENGLAND	364	270	63	22	4	5	49	S. ATLANTIC	1,515	976	329	145	36	28	96		
Boston, Mass.	U	U	U	U	U	U	U	Atlanta, Ga.	400	244	85	52	14	5	19		
Bridgeport, Conn.	53	44	8	-	1	-	9	Baltimore, Md.	195	105	65	22	2	1	13		
Cambridge, Mass.	16	13	2	1	-	-	1	Charlotte, N.C.	140	100	27	11	2	-	18		
Fall River, Mass.	26	19	5	2	-	-	6	Jacksonville, Fla.	111	78	16	16	1	-	12		
Hartford, Conn.	72	48	17	5	2	-	8	Miami, Fla.	U	U	U	U	U	U	U		
Lowell, Mass.	25	20	2	3	-	-	3	Norfolk, Va.	68	42	14	2	4	6	3		
Lynn, Mass.	10	8	1	1	-	-	1	Richmond, Va.	58	32	14	8	1	3	5		
New Bedford, Mass.	26	23	2	1	-	-	3	Savannah, Ga.	36	27	6	2	1	-	3		
New Haven, Conn.	49	31	11	4	1	2	6	St. Petersburg, Fla.	74	49	16	3	2	4	2		
Providence, R.I.	U	U	U	U	U	U	U	Tampa, Fla.	208	147	43	13	2	3	10		
Somerville, Mass.	U	U	U	U	U	U	U	Washington, D.C.	207	137	40	16	7	6	8		
Springfield, Mass.	U	U	U	U	U	U	U	Wilmington, Del.	18	15	3	-	-	-	3		
Waterbury, Conn.	29	23	4	2	-	-	2	E.S. CENTRAL	879	608	187	51	20	11	88		
Worcester, Mass.	58	41	11	3	-	3	10	Birmingham, Ala.	195	130	50	6	4	3	24		
MID. ATLANTIC	2,368	1,676	423	169	51	47	125	Chattanooga, Tenn.	108	80	19	8	1	-	9		
Albany, N.Y.	56	36	13	5	-	2	4	Knoxville, Tenn.	94	70	19	2	2	1	6		
Allentown, Pa.	25	21	-	2	-	2	1	Lexington, Ky.	61	40	17	2	1	1	6		
Buffalo, N.Y.	U	U	U	U	U	U	U	Memphis, Tenn.	161	101	34	16	6	4	18		
Camden, N.J.	U	U	U	U	U	U	U	Mobile, Ala.	89	64	18	4	1	2	5		
Elizabeth, N.J.	22	15	3	2	2	-	-	Montgomery, Ala.	44	35	8	-	1	-	9		
Erie, Pa.	52	35	12	2	1	2	1	Nashville, Tenn.	127	88	22	13	4	-	11		
Jersey City, N.J.	U	U	U	U	U	U	U	W.S. CENTRAL	1,042	625	218	80	84	35	67		
New York City, N.Y.	1,301	937	231	96	24	13	58	Austin, Tex.	U	U	U	U	U	U	U		
Newark, N.J.	52	27	13	8	-	3	2	Baton Rouge, La.	43	36	4	2	1	-	-		
Paterson, N.J.	37	24	6	5	2	-	3	Corpus Christi, Tex.	51	36	11	2	1	1	3		
Philadelphia, Pa.	397	239	93	39	16	10	26	Dallas, Tex.	228	139	58	14	13	4	16		
Pittsburgh, Pa. <sup>§</sup>	43	34	6	1	-	2	1	El Paso, Tex.	102	68	26	4	2	2	8		
Reading, Pa.	27	22	5	-	-	-	4	Ft. Worth, Tex.	138	92	31	10	3	2	11		
Rochester, N.Y.	148	120	19	4	3	2	12	Houston, Tex.	270	123	40	39	50	18	9		
Schenectady, N.Y.	28	25	1	-	1	-	1	Little Rock, Ark.	U	U	U	U	U	U	U		
Scranton, Pa.	46	41	3	2	-	-	3	New Orleans, La.	U	U	U	U	U	U	U		
Syracuse, N.Y.	77	57	10	1	1	8	5	San Antonio, Tex.	U	U	U	U	U	U	U		
Trenton, N.J.	28	21	3	2	-	2	-	Shreveport, La.	78	48	19	4	5	2	12		
Utica, N.Y.	U	U	U	U	U	U	U	Tulsa, Okla.	132	83	29	5	9	6	8		
Yonkers, N.Y.	29	22	5	-	1	1	4	MOUNTAIN	786	526	167	54	19	20	52		
E.N. CENTRAL	1,722	1,182	367	112	27	34	121	Albuquerque, N.M.	137	92	27	11	4	3	5		
Akron, Ohio	57	41	9	5	-	2	9	Boise, Idaho	43	28	11	4	-	-	5		
Canton, Ohio	50	35	13	2	-	-	8	Colorado Springs, Colo.	66	44	17	4	1	-	2		
Chicago, Ill.	U	U	U	U	U	U	U	Denver, Colo.	103	74	18	6	2	3	7		
Cincinnati, Ohio	108	73	25	8	-	2	12	Las Vegas, Nev.	264	165	63	21	7	8	19		
Cleveland, Ohio	143	93	35	10	3	2	2	Ogden, Utah	30	23	5	2	-	-	2		
Columbus, Ohio	232	156	49	21	4	2	15	Phoenix, Ariz.	U	U	U	U	U	U	U		
Dayton, Ohio	127	96	21	5	1	4	6	Pueblo, Colo.	34	27	6	1	-	-	2		
Detroit, Mich.	186	97	66	14	5	4	16	Salt Lake City, Utah	109	73	20	5	5	6	10		
Evansville, Ind.	53	40	12	1	-	-	3	Tucson, Ariz.	U	U	U	U	U	U	U		
Fort Wayne, Ind.	84	66	10	6	-	2	5	PACIFIC	1,587	1,109	312	113	26	26	104		
Gary, Ind.	21	13	6	1	1	-	1	Berkeley, Calif.	14	12	1	1	-	-	1		
Grand Rapids, Mich.	49	31	10	3	1	4	4	Fresno, Calif.	132	102	23	5	2	-	16		
Indianapolis, Ind.	192	146	30	7	3	6	15	Glendale, Calif.	10	8	2	-	-	-	1		
Lansing, Mich.	45	28	12	3	1	1	4	Honolulu, Hawaii	62	50	6	6	-	-	3		
Milwaukee, Wis.	124	91	20	9	2	2	11	Long Beach, Calif.	78	57	16	2	1	2	8		
Peoria, Ill.	U	U	U	U	U	U	U	Los Angeles, Calif.	316	215	67	29	4	1	10		
Rockford, Ill.	61	42	13	5	-	1	2	Pasadena, Calif.	33	23	5	4	-	1	3		
South Bend, Ind.	69	53	9	4	3	-	3	Portland, Ore.	86	53	23	4	2	4	7		
Toledo, Ohio	121	81	27	8	3	2	5	Sacramento, Calif.	192	135	35	12	4	6	10		
Youngstown, Ohio	U	U	U	U	U	U	U	San Diego, Calif.	184	119	32	19	6	7	16		
W.N. CENTRAL	512	366	91	33	12	10	46	San Francisco, Calif.	U	U	U	U	U	U	U		
Des Moines, Iowa	100	68	25	4	3	-	12	San Jose, Calif.	171	118	33	14	4	2	12		
Duluth, Minn.	33	26	7	-	-	-	5	Santa Cruz, Calif.	27	22	5	-	-	-	-		
Kansas City, Kans.	30	21	3	5	1	-	2	Seattle, Wash.	133	92	30	8	2	1	6		
Kansas City, Mo.	94	69	16	6	2	1	6	Spokane, Wash.	56	39	14	3	-	-	5		
Lincoln, Nebr.	35	28	4	2	-	1	-	Tacoma, Wash.	93	64	20	6	1	2	6		
Minneapolis, Minn.	81	58	11	2	4	6	5	TOTAL	10,775 <sup>¶</sup>	7,338	2,157	779	279	216	748		
Omaha, Nebr.	U	U	U	U	U	U	U										
St. Louis, Mo.	U	U	U	U	U	U	U										
St. Paul, Minn.	61	45	10	5	1	-	6										
Wichita, Kans.	78	51	15	9	1	2	10										

U: Unavailable. -:No reported cases.

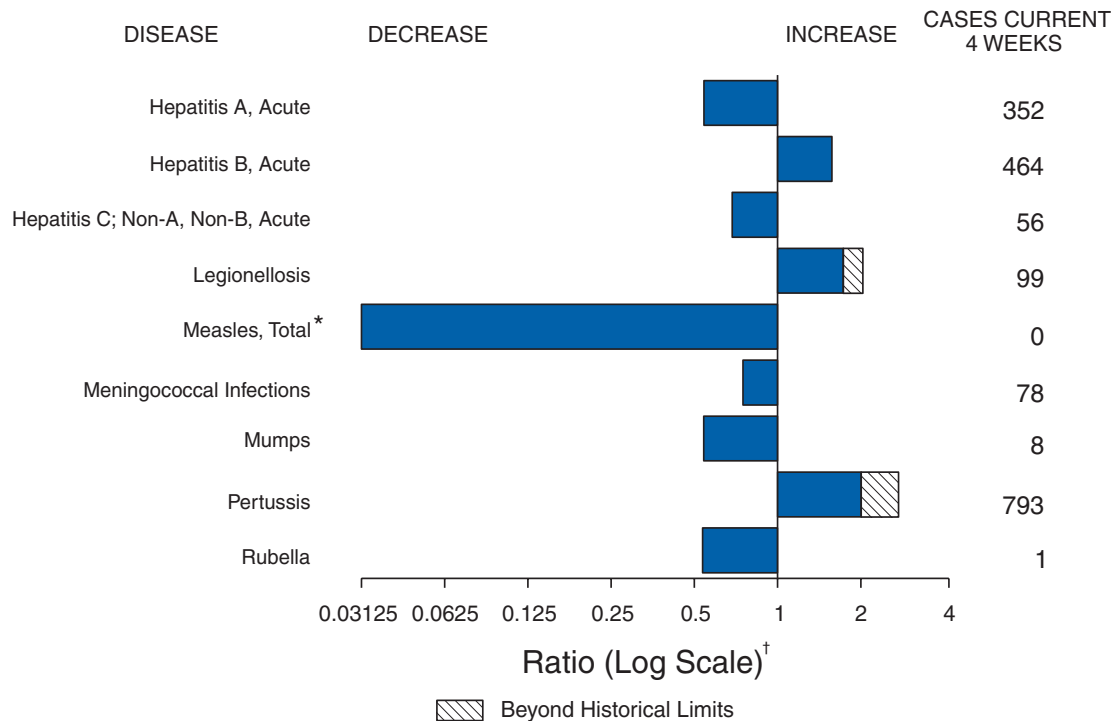
\* Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of ≥100,000. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

† Pneumonia and influenza.

§ 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.

**FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals ending December 28, 2002, with historical data**



\* No measles cases were reported for the current 4-week period yielding a ratio for week 52 of zero (0).

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

**TABLE I. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending December 28, 2002 (52nd Week)\***

	Cum. 2002	Cum. 2001		Cum. 2002	Cum. 2001
Anthrax	2	22	Encephalitis: West Nile†	1,860	63
Botulism: foodborne	14	39	Hansen disease (leprosy)†	77	79
infant	55	97	Hantavirus pulmonary syndrome†	15	8
other (wound & unspecified)	28	20	Hemolytic uremic syndrome, postdiarrheal†	186	206
Brucellosis†	84	136	HIV infection, pediatric§	163	212
Chancroid	67	38	Plague	1	2
Cholera	5	6	Poliomyelitis, paralytic	-	-
Cyclosporiasis†	158	147	Psittacosis†	18	25
Diphtheria	1	2	Q fever†	49	27
Ehrlichiosis: human granulocytic (HGE)†	381	278	Rabies, human	2	1
human monocytic (HME)†	167	142	Streptococcal toxic-shock syndrome†	88	78
other and unspecified	14	6	Tetanus	22	37
Encephalitis: California serogroup viral†	136	128	Toxic-shock syndrome	111	128
eastern equine†	7	9	Trichinosis	13	22
Powassan†	1	2	Tularemia†	59	131
St. Louis†	13	79	Yellow fever	1	-
western equine†	3	-			

-: No reported cases.

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

† Not notifiable in all states.

§ Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention (NCHSTP). Last update November 24, 2002.

**TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending December 28, 2002, and December 29, 2001 (52nd Week)\***

Reporting Area	AIDS		Chlamydia†		Cryptosporidiosis		Escherichia coli, Enterohemorrhagic			
	Cum. 2002§	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	O157:H7		Shiga Toxin Positive, Serogroup non-O157	
							Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	38,878	42,092	770,894	781,614	2,759	3,787	3,574	3,291	169	171
NEW ENGLAND	1,488	1,548	27,139	24,345	176	152	263	250	32	43
Maine	28	48	1,768	1,338	12	19	40	29	5	2
N.H.	35	40	1,564	1,383	29	17	34	36	-	3
Vt.	12	26	952	638	33	34	14	15	1	1
Mass.	754	750	10,809	10,356	63	55	116	115	9	10
R.I.	97	102	2,833	2,912	21	10	14	17	-	1
Conn.	562	582	9,213	7,718	18	17	45	38	17	26
MID. ATLANTIC	8,998	12,088	84,237	89,560	351	374	251	251	-	-
Upstate N.Y.	946	1,908	16,790	16,742	143	125	178	161	-	-
N.Y. City	5,290	6,616	26,336	29,643	132	123	18	16	-	-
N.J.	1,304	1,733	12,798	16,312	11	24	55	74	-	-
Pa.	1,458	1,831	28,313	26,863	65	102	N	N	-	-
E.N. CENTRAL	4,221	2,867	135,515	144,236	882	1,609	839	816	19	12
Ohio	766	531	34,294	37,653	121	185	153	227	15	10
Ind.	482	342	16,816	15,258	59	90	78	90	1	-
Ill.	2,094	1,255	36,434	43,716	95	483	178	174	-	-
Mich.	701	547	32,257	31,090	124	187	135	102	3	2
Wis.	178	192	15,714	16,519	483	664	295	223	-	-
W.N. CENTRAL	716	870	42,473	40,105	417	546	499	523	39	46
Minn.	149	153	9,604	8,323	219	197	167	219	34	36
Iowa	85	86	5,144	5,699	47	82	122	79	-	-
Mo.	337	421	15,595	13,949	37	55	65	66	N	N
N. Dak.	3	3	843	1,057	20	15	17	27	-	3
S. Dak.	10	25	2,207	1,821	31	8	40	44	2	6
Nebr.	64	83	2,633	3,206	47	185	54	60	3	1
Kans.	68	99	6,447	6,050	16	4	34	28	-	-
S. ATLANTIC	11,487	12,242	148,962	151,052	326	380	473	269	42	41
Del.	180	249	2,649	2,793	3	6	9	4	-	1
Md.	1,676	1,848	16,903	15,631	22	40	29	29	-	-
D.C.	769	864	3,344	3,286	5	14	3	-	-	-
Va.	816	993	17,323	18,337	32	27	63	52	10	9
W. Va.	80	97	2,203	2,360	3	2	9	11	-	-
N.C.	971	915	24,726	22,101	40	31	244	59	-	-
S.C.	792	684	11,378	15,329	6	7	5	24	-	-
Ga.	1,536	1,521	30,804	33,590	109	162	42	45	9	10
Fla.	4,667	5,071	39,632	37,625	106	91	69	45	23	21
E.S. CENTRAL	1,844	1,769	47,457	50,758	123	62	110	144	-	1
Ky.	288	332	8,597	8,881	10	5	30	65	-	1
Tenn.	764	583	15,575	15,560	59	24	48	49	-	-
Ala.	388	438	12,989	14,524	44	18	21	18	-	-
Miss.	404	416	10,296	11,793	10	15	11	12	-	-
W.S. CENTRAL	3,867	4,150	104,813	105,359	39	130	78	222	-	-
Ark.	223	199	7,041	7,280	8	10	12	17	-	-
La.	905	852	18,455	17,849	6	8	2	8	-	-
Okla.	181	244	10,484	10,478	16	16	23	36	-	-
Tex.	2,558	2,855	68,833	69,752	9	96	41	161	-	-
MOUNTAIN	1,319	1,388	48,162	46,442	162	243	358	302	29	22
Mont.	11	15	2,475	1,897	6	37	31	23	-	-
Idaho	28	19	2,515	2,023	30	23	45	81	18	5
Wyo.	8	5	927	839	9	7	15	10	2	3
Colo.	286	300	13,413	13,239	57	44	101	88	5	8
N. Mex.	81	147	6,319	6,254	20	30	13	17	3	6
Ariz.	559	528	14,823	14,355	18	11	37	30	1	-
Utah	63	121	2,729	3,004	18	84	88	35	-	-
Nev.	283	253	4,961	4,831	4	7	28	18	-	-
PACIFIC	4,937	5,170	132,136	129,757	283	291	703	514	8	6
Wash.	449	526	14,933	13,631	43	U	147	150	-	-
Oreg.	311	216	7,011	7,454	41	58	224	86	8	6
Calif.	4,039	4,285	102,370	101,897	196	229	282	253	-	-
Alaska	30	19	3,590	2,744	1	1	8	4	-	-
Hawaii	108	124	4,232	4,031	2	3	42	21	-	-
Guam	3	11	-	404	-	-	N	N	-	-
P.R.	1,045	1,241	1,997	2,748	-	-	-	2	-	-
V.I.	74	12	125	142	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U	U	U
C.N.M.I.	3	U	154	U	-	U	-	U	-	U

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 November 24, 2002.



TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending December 28, 2002, and December 29, 2001 (52nd Week)\*

Reporting Area	<i>Escherichia coli</i> <i>Enterohemorrhagic</i>		Giardiasis	Gonorrhea		<i>Haemophilus influenzae</i> , Invasive			
	Shiga Toxin Positive, Not Serogrouped			Cum. 2002	Cum. 2001	All Ages, All Serotypes		Age <5 Years Serotype B	
	Cum. 2002	Cum. 2001				Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	41	20	16,986	326,017	360,906	1,479	1,597	27	27
NEW ENGLAND	1	1	1,650	7,540	6,976	126	121	-	1
Maine	-	-	216	141	141	2	2	-	-
N.H.	-	-	43	122	176	11	7	-	-
Vt.	1	1	145	98	76	7	5	-	-
Mass.	-	-	830	3,217	3,207	50	43	-	1
R.I.	-	-	156	926	830	10	10	-	-
Conn.	-	-	260	3,036	2,546	46	54	-	-
MID. ATLANTIC	1	3	3,715	39,276	44,754	261	248	6	3
Upstate N.Y.	-	-	1,244	8,613	9,685	120	98	2	-
N.Y. City	-	-	1,329	10,944	12,613	63	59	-	-
N.J.	-	-	385	7,814	8,921	48	48	-	-
Pa.	1	3	757	11,905	13,535	30	43	4	3
E.N. CENTRAL	13	7	3,263	66,503	75,374	211	285	4	2
Ohio	12	7	975	19,363	21,163	85	74	-	1
Ind.	-	-	-	7,268	6,972	42	59	2	-
Ill.	-	-	766	19,285	24,025	58	103	-	-
Mich.	1	-	910	14,730	17,120	18	14	2	-
Wis.	-	-	612	5,857	6,094	8	35	-	1
W.N. CENTRAL	7	4	2,042	16,517	17,045	70	89	1	1
Minn.	-	-	826	2,926	2,701	48	56	1	-
Iowa	-	-	310	1,229	1,418	1	-	-	-
Mo.	N	N	491	8,721	8,723	12	20	-	-
N. Dak.	2	4	28	52	56	-	8	-	-
S. Dak.	-	-	73	264	289	-	-	-	-
Nebr.	-	-	133	723	1,189	1	3	-	1
Kans.	5	-	181	2,602	2,669	8	2	-	-
S. ATLANTIC	1	-	2,832	83,749	93,530	359	394	4	1
Del.	-	-	51	1,576	1,733	-	-	-	-
Md.	-	-	117	9,234	9,399	93	92	2	-
D.C.	-	-	45	2,720	2,883	-	-	-	-
Va.	-	-	344	9,774	11,095	32	34	-	-
W. Va.	1	-	59	875	729	16	16	-	1
N.C.	-	-	-	15,531	16,583	33	50	-	-
S.C.	-	-	129	6,918	10,805	14	8	-	-
Ga.	-	-	768	16,880	18,772	76	109	-	-
Fla.	-	-	1,319	20,241	21,531	95	85	2	-
E.S. CENTRAL	8	3	379	27,295	32,674	66	84	1	1
Ky.	8	3	-	3,716	3,588	7	2	-	-
Tenn.	-	-	176	9,069	10,145	34	51	-	1
Ala.	-	-	203	8,496	11,182	16	29	1	-
Miss.	-	-	-	6,014	7,759	9	2	-	-
W.S. CENTRAL	4	-	246	46,918	51,689	61	64	2	3
Ark.	-	-	169	4,412	4,604	1	3	-	-
La.	-	-	5	11,399	12,277	11	10	-	1
Okla.	-	-	72	4,519	4,784	45	48	-	-
Tex.	4	-	-	26,588	30,024	4	3	2	2
MOUNTAIN	6	2	1,714	10,637	10,385	194	175	6	10
Mont.	-	-	94	124	104	-	1	-	-
Idaho	-	-	137	95	76	2	2	-	-
Wyo.	-	-	29	63	77	1	1	-	-
Colo.	6	2	572	3,344	3,190	34	38	-	-
N. Mex.	-	-	136	1,322	1,040	27	29	-	2
Ariz.	-	-	256	3,761	3,923	99	82	4	5
Utah	-	-	333	287	219	19	10	1	1
Nev.	-	-	157	1,641	1,756	12	12	1	2
PACIFIC	-	-	1,145	27,582	28,479	131	137	3	5
Wash.	-	-	419	2,921	2,991	4	9	2	1
Oreg.	-	-	451	908	1,144	64	39	-	-
Calif.	-	-	81	22,449	23,283	25	60	1	4
Alaska	-	-	106	593	457	2	6	-	-
Hawaii	-	-	88	711	604	36	23	-	-
Guam	-	-	-	-	48	-	-	-	-
P.R.	-	-	38	292	588	1	2	-	-
V.I.	-	-	-	31	35	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U	U
C.N.M.I.	-	U	1	14	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 December 28, 2002, and December 29, 2001 (52nd Week)\*

Reporting Area	<i>Haemophilus influenzae</i> , Invasive				Hepatitis (Viral, Acute), By Type					
	Age <5 Years				A		B		C; Non-A, Non-B	
	Non-Serotype B		Unknown Serotype		Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001						
UNITED STATES	237	267	18	31	8,085	10,614	6,785	7,844	3,585	3,977
NEW ENGLAND	14	18	-	-	284	736	278	149	23	34
Maine	-	-	-	-	8	11	15	7	-	1
N.H.	-	1	-	-	11	18	22	16	-	-
Vt.	-	-	-	-	3	16	5	5	13	7
Mass.	7	7	-	-	138	376	139	41	9	26
R.I.	-	1	-	-	32	75	30	33	1	-
Conn.	7	9	-	-	92	240	67	47	-	-
MID. ATLANTIC	29	39	1	4	1,071	1,370	1,609	1,426	1,970	1,397
Upstate N.Y.	13	11	-	2	180	333	141	153	69	36
N.Y. City	8	13	-	-	524	447	839	660	-	-
N.J.	5	6	-	-	161	283	394	286	1,865	1,218
Pa.	3	9	1	2	206	307	235	327	36	143
E.N. CENTRAL	37	40	1	2	1,050	1,217	717	1,049	108	162
Ohio	10	13	1	-	327	261	123	92	4	9
Ind.	8	7	-	1	47	102	59	75	-	1
Ill.	12	14	-	-	274	441	167	218	14	12
Mich.	5	-	-	1	224	326	325	618	86	140
Wis.	2	6	-	-	178	87	43	46	4	-
W.N. CENTRAL	7	6	3	7	302	395	223	250	677	1,170
Minn.	6	4	1	3	47	47	39	44	1	33
Iowa	-	-	-	-	80	36	20	24	1	-
Mo.	-	-	2	4	82	88	113	130	656	1,119
N. Dak.	-	1	-	-	3	3	5	2	-	-
S. Dak.	-	-	-	-	3	3	2	1	1	-
Nebr.	1	1	-	-	17	37	22	35	13	10
Kans.	-	-	-	-	70	181	22	14	5	8
S. ATLANTIC	44	57	2	7	2,331	2,693	1,553	1,667	234	144
Del.	-	-	-	-	13	16	7	29	6	11
Md.	4	9	-	2	298	296	123	141	8	9
D.C.	-	-	-	-	80	80	21	13	-	-
Va.	5	8	-	-	152	167	193	213	16	3
W. Va.	1	1	1	1	23	29	18	35	3	26
N.C.	3	2	-	4	209	242	228	221	29	22
S.C.	2	1	-	-	65	85	121	72	4	13
Ga.	13	24	-	-	420	930	297	435	70	-
Fla.	16	12	1	-	1,071	848	545	508	98	60
E.S. CENTRAL	15	14	1	4	256	454	370	520	193	198
Ky.	2	-	-	1	43	145	51	64	4	13
Tenn.	8	8	-	2	117	190	133	275	34	70
Ala.	3	5	1	1	39	81	106	88	11	5
Miss.	2	1	-	-	57	38	80	93	144	110
W.S. CENTRAL	14	10	1	-	570	825	594	1,061	210	671
Ark.	-	1	-	-	65	74	92	107	9	15
La.	2	2	1	-	71	87	102	124	71	151
Okla.	10	7	-	-	49	116	50	116	5	6
Tex.	2	-	-	-	385	548	350	714	125	499
MOUNTAIN	50	36	8	1	581	754	649	497	64	58
Mont.	-	-	-	-	13	16	10	3	1	1
Idaho	1	-	-	-	31	57	7	11	1	2
Wyo.	-	-	-	-	3	7	17	3	5	8
Colo.	3	3	-	-	75	89	77	103	15	11
N. Mex.	6	12	1	1	29	40	144	136	1	12
Ariz.	31	18	6	-	315	409	262	164	7	9
Utah	5	3	-	-	65	66	64	25	4	3
Nev.	4	-	1	-	50	70	68	52	30	12
PACIFIC	27	47	1	6	1,640	2,170	792	1,225	106	143
Wash.	2	4	-	2	145	184	69	171	25	31
Oreg.	5	7	-	-	70	105	122	168	17	15
Calif.	15	34	1	2	1,411	1,848	584	854	64	97
Alaska	2	1	-	-	12	16	6	10	-	-
Hawaii	3	1	-	2	2	17	11	22	-	-
Guam	-	-	-	-	-	2	-	-	-	-
P.R.	-	1	-	-	96	258	84	297	-	1
V.I.	-	-	-	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U	U	U
C.N.M.I.	-	U	-	U	-	U	37	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 December 28, 2002, and December 29, 2001 (52nd Week)\*

Reporting Area	Legionellosis		Listeriosis		Lyme Disease		Malaria		Measles Total	
	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	1,183	1,171	591	621	18,181	17,029	1,245	1,544	37 <sup>†</sup>	116 <sup>§</sup>
NEW ENGLAND	105	74	59	57	6,277	5,526	70	107	-	5
Maine	6	8	5	2	111	108	6	5	-	-
N.H.	7	12	4	4	246	129	7	2	-	-
Vt.	35	5	3	3	37	18	4	1	-	1
Mass.	30	21	31	30	1,559	1,164	26	53	-	3
R.I.	9	13	1	3	346	510	11	16	-	-
Conn.	18	15	15	15	3,978	3,597	16	30	-	1
MID. ATLANTIC	328	286	166	119	9,718	8,909	334	440	7	20
Upstate N.Y.	111	82	57	36	5,017	4,020	49	76	1	4
N.Y. City	61	43	35	26	174	63	214	250	6	7
N.J.	29	24	33	20	1,767	2,020	37	65	-	1
Pa.	127	137	41	37	2,760	2,806	34	49	-	8
E.N. CENTRAL	267	316	81	88	115	720	138	177	3	10
Ohio	123	143	28	17	82	44	25	27	1	3
Ind.	26	23	12	8	20	26	14	19	2	4
Ill.	-	24	12	24	-	32	37	71	-	3
Mich.	84	82	22	25	13	21	46	40	-	-
Wis.	34	44	7	14	U	597	16	20	-	-
W.N. CENTRAL	61	55	22	22	503	540	57	77	3	6
Minn.	17	15	6	4	404	461	17	45	1	4
Iowa	12	8	3	2	42	36	4	9	-	-
Mo.	17	22	9	10	40	37	16	15	2	2
N. Dak.	1	1	1	-	1	-	1	-	-	-
S. Dak.	4	3	1	-	2	-	1	-	-	-
Nebr.	10	5	1	1	6	4	5	2	-	-
Kans.	-	1	1	5	8	2	13	6	-	-
S. ATLANTIC	225	224	84	85	1,286	1,039	324	317	5	5
Del.	10	12	-	2	178	152	4	2	-	-
Md.	54	32	21	16	681	608	111	112	-	3
D.C.	6	8	-	-	22	17	20	13	-	-
Va.	30	39	7	15	149	156	32	55	-	1
W. Va.	N	N	-	6	17	16	3	1	-	-
N.C.	13	11	8	6	137	41	22	19	-	-
S.C.	9	15	8	5	20	6	7	9	-	-
Ga.	17	12	12	16	1	-	49	45	3	1
Fla.	86	95	28	19	81	43	76	61	2	-
E.S. CENTRAL	48	63	20	23	52	72	21	38	12	2
Ky.	21	14	4	7	23	23	7	14	-	2
Tenn.	19	32	11	9	26	31	3	14	-	-
Ala.	8	13	4	7	3	10	6	6	12	-
Miss.	-	4	1	-	-	8	5	4	-	-
W.S. CENTRAL	24	31	21	34	68	87	22	91	1	1
Ark.	-	-	-	1	3	4	2	3	-	-
La.	4	7	-	-	4	8	4	6	-	-
Okla.	3	7	9	2	-	-	10	5	-	-
Tex.	17	17	12	31	61	75	6	77	1	1
MOUNTAIN	54	58	32	39	19	15	51	68	2	2
Mont.	3	-	-	-	-	-	2	3	-	-
Idaho	3	3	2	1	4	5	-	4	-	1
Wyo.	1	3	-	2	2	1	-	1	-	-
Colo.	8	17	7	10	1	-	24	25	-	-
N. Mex.	2	3	3	7	1	1	3	3	-	-
Ariz.	15	21	16	10	3	3	13	19	-	1
Utah	17	7	3	2	7	1	6	4	1	-
Nev.	5	4	1	7	1	4	3	9	1	-
PACIFIC	71	64	106	154	143	121	228	229	4	65
Wash.	7	10	8	14	11	9	23	19	-	15
Oreg.	N	N	9	12	15	15	12	17	-	3
Calif.	63	48	81	122	114	95	183	179	3	40
Alaska	-	1	-	-	3	2	2	1	-	-
Hawaii	1	5	8	6	N	N	8	13	1	7
Guam	-	-	-	-	-	-	-	1	-	-
P.R.	-	2	1	-	N	N	-	6	-	1
V.I.	-	-	-	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U	U	U
C.N.M.I.	-	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 37 cases reported, 24 were indigenous and 13 were imported from another country.

§ Of 116 cases reported, 62 were indigenous and 54 were imported from another country.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending December 28, 2002, and December 29, 2001 (52nd Week)\*

Reporting Area	Meningococcal Disease		Mumps		Pertussis		Rabies, Animal	
	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	1,595	2,333	238	266	8,296	7,580	6,875	7,150
NEW ENGLAND	89	113	6	2	798	736	899	760
Maine	9	8	-	-	17	22	61	82
N.H.	14	14	4	-	61	31	48	21
Vt.	4	7	-	-	166	113	89	62
Mass.	42	57	1	2	511	537	297	279
R.I.	5	7	-	-	16	9	75	72
Conn.	15	20	1	-	27	24	329	244
MID. ATLANTIC	157	257	25	35	506	455	1,158	1,371
Upstate N.Y.	49	72	6	4	376	175	701	781
N.Y. City	23	42	2	13	13	59	24	38
N.J.	27	43	-	4	1	23	188	200
Pa.	58	100	17	14	116	198	245	352
E.N. CENTRAL	202	361	39	32	946	985	148	158
Ohio	74	91	14	1	443	327	39	52
Ind.	32	47	2	3	152	116	32	15
Ill.	36	88	15	21	166	194	31	24
Mich.	44	83	7	5	60	149	46	47
Wis.	16	52	1	2	125	199	-	20
W.N. CENTRAL	153	174	16	17	747	609	440	375
Minn.	35	29	4	6	379	308	36	47
Iowa	28	31	1	1	143	139	79	84
Mo.	51	58	4	4	144	107	50	40
N. Dak.	3	8	1	-	3	11	36	42
S. Dak.	2	5	-	-	6	5	79	58
Nebr.	26	28	-	1	8	8	-	4
Kans.	8	15	6	5	64	31	160	100
S. ATLANTIC	284	383	23	45	418	493	2,503	2,512
Del.	7	6	-	-	4	-	53	39
Md.	9	42	5	8	65	53	359	504
D.C.	-	-	-	-	2	1	-	-
Va.	41	46	4	8	159	272	505	502
W. Va.	4	15	-	-	32	6	169	141
N.C.	33	63	2	5	45	75	710	571
S.C.	32	33	3	7	43	34	142	144
Ga.	30	57	2	9	15	23	375	402
Fla.	128	121	7	8	53	29	190	209
E.S. CENTRAL	90	146	13	9	253	208	173	204
Ky.	15	27	3	3	93	96	27	30
Tenn.	38	64	2	1	114	70	108	106
Ala.	23	35	3	-	37	37	34	64
Miss.	14	20	5	5	9	5	4	4
W.S. CENTRAL	191	336	12	16	1,587	1,528	990	1,144
Ark.	24	25	-	-	489	858	8	32
La.	40	78	1	2	7	12	-	9
Okla.	22	32	-	-	66	43	119	60
Tex.	105	201	11	14	1,025	615	863	1,043
MOUNTAIN	94	103	21	17	1,653	1,561	292	254
Mont.	3	4	-	1	9	54	19	38
Idaho	5	8	2	2	152	171	38	28
Wyo.	-	5	-	2	11	1	18	28
Colo.	24	38	3	3	432	389	59	-
N. Mex.	4	11	1	2	188	137	7	15
Ariz.	32	21	1	2	706	690	127	129
Utah	6	8	8	1	107	78	13	15
Nev.	20	8	6	4	48	41	11	1
PACIFIC	335	460	83	93	1,388	1,005	272	372
Wash.	63	71	-	2	472	184	-	-
Oreg.	45	63	N	N	192	57	13	4
Calif.	213	310	67	48	702	706	235	319
Alaska	4	3	-	1	5	16	24	49
Hawaii	10	13	16	42	17	42	-	-
Guam	-	-	-	-	-	-	-	-
P.R.	5	9	-	2	3	-	49	99
V.I.	-	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U
C.N.M.I.	-	U	-	U	1	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 December 28, 2002, and December 29, 2001 (52nd Week)\*

Reporting Area	Rocky Mountain Spotted Fever		Rubella				Salmonellosis	
	Cum. 2002	Cum. 2001	Rubella		Congenital Rubella		Cum. 2002	Cum. 2001
			Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001		
UNITED STATES	975	697	14	23	3	3	41,257	40,518
NEW ENGLAND	10	3	-	-	-	-	2,145	2,344
Maine	-	-	-	-	-	-	146	168
N.H.	-	1	-	-	-	-	138	166
Vt.	-	-	-	-	-	-	77	82
Mass.	6	2	-	-	-	-	1,168	1,328
R.I.	4	-	-	-	-	-	171	151
Conn.	-	-	-	-	-	-	445	449
MID. ATLANTIC	40	34	1	9	-	-	5,172	5,428
Upstate N.Y.	9	2	1	1	-	-	1,565	1,398
N.Y. City	9	2	-	6	-	-	1,447	1,313
N.J.	2	9	-	1	-	-	761	1,174
Pa.	20	21	-	1	-	-	1,399	1,543
E.N. CENTRAL	19	16	2	2	-	1	5,345	4,999
Ohio	13	2	-	-	-	1	1,447	1,352
Ind.	3	1	-	-	-	-	508	549
Ill.	-	12	1	2	-	-	1,658	1,383
Mich.	3	1	1	-	-	-	875	885
Wis.	-	-	-	-	-	-	857	830
W.N. CENTRAL	102	69	-	3	-	-	2,585	2,380
Minn.	-	1	-	-	-	-	610	689
Iowa	3	2	-	1	-	-	518	335
Mo.	94	62	-	1	-	-	820	648
N. Dak.	-	1	-	-	-	-	43	73
S. Dak.	1	2	-	-	-	-	108	151
Nebr.	4	1	-	-	-	-	150	170
Kans.	-	-	-	1	-	-	336	314
S. ATLANTIC	505	328	6	5	-	1	11,300	9,681
Del.	4	13	1	-	-	-	95	96
Md.	55	39	-	1	-	-	954	809
D.C.	2	1	-	-	-	-	76	81
Va.	42	40	-	-	-	1	1,244	1,368
W. Va.	2	1	-	-	-	-	152	183
N.C.	294	185	-	-	-	-	1,595	1,386
S.C.	69	31	-	2	-	-	813	915
Ga.	19	9	-	-	-	-	1,712	1,721
Fla.	18	9	5	2	-	-	4,659	3,122
E.S. CENTRAL	113	122	-	-	1	-	3,254	2,775
Ky.	5	2	-	-	-	-	398	406
Tenn.	84	86	-	-	1	-	839	706
Ala.	20	18	-	-	-	-	877	748
Miss.	4	16	-	-	-	-	1,140	915
W.S. CENTRAL	163	113	1	2	1	-	3,653	5,052
Ark.	97	54	-	-	-	-	1,047	928
La.	-	2	-	-	1	-	813	832
Okla.	61	57	-	-	-	-	505	500
Tex.	5	-	1	2	-	-	1,288	2,792
MOUNTAIN	14	11	1	-	-	-	2,477	2,332
Mont.	1	1	-	-	-	-	91	81
Idaho	-	1	-	-	-	-	184	146
Wyo.	5	2	-	-	-	-	107	61
Colo.	2	2	-	-	-	-	602	592
N. Mex.	1	1	-	-	-	-	320	280
Ariz.	-	-	-	-	-	-	788	741
Utah	-	3	1	-	-	-	202	229
Nev.	5	1	-	-	-	-	183	202
PACIFIC	9	1	3	2	1	1	5,326	5,527
Wash.	-	-	-	-	-	-	497	681
Oreg.	3	1	-	-	-	-	354	281
Calif.	6	-	3	1	-	-	4,118	4,159
Alaska	-	-	-	-	-	-	79	50
Hawaii	-	-	-	1	1	1	278	356
Guam	-	-	-	-	-	-	-	24
P.R.	-	-	-	3	-	-	201	972
V.I.	-	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U
C.N.M.I.	-	U	-	U	-	U	25	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 December 28, 2002, and December 29, 2001 (52nd Week)\*

Reporting Area	Shigellosis		Streptococcal Disease, Invasive, Group A		Streptococcus pneumoniae, Drug Resistant, Invasive		Streptococcus pneumoniae, Invasive (<5 Years)	
	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
UNITED STATES	19,768	20,250	3,956	3,755	2,248	2,947	290	498
NEW ENGLAND	332	312	173	239	21	150	3	52
Maine	12	6	20	12	-	-	-	1
N.H.	13	7	35	N	-	-	N	N
Vt.	1	7	10	16	5	9	2	1
Mass.	187	208	93	67	N	N	N	N
R.I.	17	24	15	15	16	20	1	6
Conn.	102	60	-	129	-	121	-	44
MID. ATLANTIC	1,487	1,508	645	687	123	188	78	123
Upstate N.Y.	370	489	292	282	96	178	75	123
N.Y. City	460	410	148	166	U	U	U	U
N.J.	403	274	136	148	N	N	N	N
Pa.	254	335	69	91	27	10	3	-
E.N. CENTRAL	1,977	4,471	762	785	277	209	123	178
Ohio	681	2,979	217	199	107	3	31	-
Ind.	107	253	48	69	165	206	66	107
Ill.	819	630	196	254	2	-	-	71
Mich.	198	304	300	212	3	-	N	N
Wis.	172	305	1	51	N	N	26	-
W.N. CENTRAL	991	2,112	253	409	433	207	61	70
Minn.	225	496	132	200	292	108	60	58
Iowa	123	365	-	-	N	N	N	N
Mo.	201	321	47	75	5	11	1	-
N. Dak.	16	27	3	22	1	7	-	12
S. Dak.	156	716	13	17	1	6	-	-
Nebr.	179	111	18	44	29	28	N	N
Kans.	91	76	40	51	105	47	N	N
S. ATLANTIC	7,401	3,440	748	640	1,134	1,582	8	14
Del.	397	17	2	4	3	6	N	N
Md.	1,256	163	149	N	N	N	N	N
D.C.	61	54	9	22	57	11	1	4
Va.	1,015	784	71	85	N	N	N	N
W. Va.	12	8	19	25	46	52	7	10
N.C.	638	356	122	147	N	N	U	U
S.C.	128	251	35	14	186	292	N	N
Ga.	1,354	752	124	187	196	434	N	N
Fla.	2,540	1,055	217	156	646	787	N	N
E.S. CENTRAL	1,517	1,772	112	123	130	266	-	-
Ky.	201	846	21	39	18	27	N	N
Tenn.	140	123	91	84	112	238	N	N
Ala.	838	211	-	-	-	1	N	N
Miss.	338	592	-	-	-	-	-	-
W.S. CENTRAL	1,847	3,005	119	322	87	291	12	61
Ark.	196	570	8	1	12	24	-	-
La.	445	255	-	1	75	267	4	61
Okla.	586	147	48	49	N	N	8	-
Tex.	620	2,033	63	271	N	N	-	-
MOUNTAIN	1,171	1,063	598	461	43	50	5	-
Mont.	4	9	-	-	-	-	-	-
Idaho	22	40	11	7	N	N	N	N
Wyo.	9	8	7	12	11	11	-	-
Colo.	212	245	147	161	-	-	-	-
N. Mex.	231	122	109	91	31	37	-	-
Ariz.	604	505	293	187	-	-	N	N
Utah	42	63	31	3	-	-	5	-
Nev.	47	71	-	-	1	2	-	-
PACIFIC	3,045	2,567	546	89	-	4	-	-
Wash.	179	236	65	-	-	-	N	N
Oreg.	117	116	N	N	N	N	N	N
Calif.	2,675	2,149	381	-	N	N	N	N
Alaska	6	7	-	-	-	-	N	N
Hawaii	68	59	100	89	-	4	-	-
Guam	-	50	-	1	-	-	-	-
P.R.	8	21	N	N	-	-	N	N
V.I.	-	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	-	-	U	U
C.N.M.I.	18	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 December 28, 2002, and December 29, 2001 (52nd Week)\*

Reporting Area	Syphilis				Tuberculosis		Typhoid Fever	
	Primary & Secondary		Congenital		Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001
	Cum. 2002	Cum. 2001	Cum. 2002	Cum. 2001				
UNITED STATES	6,378	6,095	359	497	12,120	15,492	266	368
NEW ENGLAND	139	68	1	8	403	498	14	20
Maine	2	1	-	3	20	20	-	1
N.H.	9	1	-	-	18	20	-	2
Vt.	2	3	-	-	6	7	-	-
Mass.	94	42	1	3	235	270	8	12
R.I.	6	9	-	-	37	60	-	-
Conn.	26	12	-	2	87	121	6	5
MID. ATLANTIC	690	538	70	74	2,089	2,501	64	113
Upstate N.Y.	35	22	12	6	287	415	9	15
N.Y. City	423	281	23	33	1,047	1,263	34	49
N.J.	157	137	34	35	496	530	16	38
Pa.	75	98	1	-	259	293	5	11
E. N. CENTRAL	1,085	1,092	65	73	1,218	1,544	19	34
Ohio	167	81	4	2	173	306	7	5
Ind.	72	151	1	15	120	115	2	2
Ill.	336	409	33	45	604	707	1	18
Mich.	482	428	27	7	256	330	4	5
Wis.	28	23	-	4	65	86	5	4
W. N. CENTRAL	110	100	1	9	525	577	9	16
Minn.	57	33	1	2	226	239	3	7
Iowa	2	5	-	-	30	43	-	-
Mo.	30	26	-	5	126	157	2	9
N. Dak.	-	-	-	-	4	6	-	-
S. Dak.	-	1	-	-	12	13	-	-
Nebr.	3	10	-	-	23	39	4	-
Kans.	18	25	-	2	104	80	-	-
S. ATLANTIC	1,742	2,008	77	114	2,471	3,005	43	52
Del.	11	14	-	-	15	33	-	1
Md.	214	266	14	5	272	262	11	10
D.C.	69	43	1	2	-	51	-	-
Va.	70	102	1	5	283	306	7	15
W. Va.	2	5	-	-	28	32	-	-
N.C.	279	445	20	15	417	398	2	3
S.C.	126	235	11	21	147	206	-	-
Ga.	364	414	10	24	400	572	4	12
Fla.	607	484	20	42	909	1,145	19	11
E. S. CENTRAL	445	661	22	39	736	884	4	1
Ky.	88	48	3	1	134	152	4	-
Tenn.	163	331	11	24	286	313	-	1
Ala.	151	142	4	5	207	265	-	-
Miss.	43	140	4	9	109	154	-	-
W. S. CENTRAL	841	761	73	85	1,569	2,287	8	20
Ark.	34	49	3	9	119	157	-	-
La.	152	174	-	-	-	294	-	-
Okla.	71	60	3	6	142	193	2	1
Tex.	584	478	67	70	1,308	1,643	6	19
MOUNTAIN	321	243	20	35	382	632	10	11
Mont.	-	-	-	-	12	17	-	2
Idaho	9	1	-	-	9	9	-	-
Wyo.	-	1	-	-	3	3	-	-
Colo.	56	23	1	1	56	138	5	1
N. Mex.	38	19	-	2	28	55	1	-
Ariz.	197	180	19	32	229	289	-	2
Utah	8	11	-	-	31	35	2	2
Nev.	13	8	-	-	14	86	2	4
PACIFIC	1,005	624	30	60	2,727	3,564	95	101
Wash.	70	57	2	-	229	258	6	7
Oreg.	28	13	1	-	109	123	2	8
Calif.	899	542	26	60	2,202	2,978	82	82
Alaska	-	-	-	-	48	54	-	1
Hawaii	8	12	1	-	139	151	5	3
Guam	-	12	-	1	-	63	-	3
P.R.	227	267	15	15	75	121	-	-
V.I.	1	-	-	-	-	-	-	-
Amer. Samoa	U	U	U	U	U	U	U	U
C.N.M.I.	15	U	-	U	32	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 III. Deaths in 122 U.S. cities.\* week ending December 28, 2002 (52nd Week)

Reporting Area	All Causes, By Age (Years)						P&I <sup>†</sup> Total	Reporting Area	All Causes, By Age (Years)						P&I <sup>†</sup> Total
	All Ages	≥65	45-64	25-44	1-24	<1			All Ages	≥65	45-64	25-44	1-24	<1	
NEW ENGLAND	451	312	92	34	4	9	54	S. ATLANTIC	852	544	179	83	30	16	62
Boston, Mass.	128	78	28	12	2	8	6	Atlanta, Ga.	194	119	51	14	8	2	5
Bridgeport, Conn.	33	23	8	2	-	-	6	Baltimore, Md.	103	60	20	14	4	5	10
Cambridge, Mass.	14	10	3	1	-	-	1	Charlotte, N.C.	70	49	14	4	1	2	6
Fall River, Mass.	27	20	6	1	-	-	7	Jacksonville, Fla.	125	78	28	15	4	-	12
Hartford, Conn.	U	U	U	U	U	U	U	Miami, Fla.	U	U	U	U	U	U	U
Lowell, Mass.	33	29	4	-	-	-	4	Norfolk, Va.	38	26	4	5	1	2	-
Lynn, Mass.	12	8	2	2	-	-	1	Richmond, Va.	53	25	14	9	5	-	3
New Bedford, Mass.	32	24	6	1	1	-	2	Savannah, Ga.	47	32	11	2	2	-	2
New Haven, Conn.	42	28	9	4	-	1	6	St. Petersburg, Fla.	56	42	6	5	1	2	3
Providence, R.I.	U	U	U	U	U	U	U	Tampa, Fla.	158	106	31	14	4	3	17
Somerville, Mass.	10	8	2	-	-	-	1	Washington, D.C.	U	U	U	U	U	U	U
Springfield, Mass.	48	32	12	3	1	-	6	Wilmington, Del.	8	7	-	1	-	-	4
Waterbury, Conn.	19	14	3	2	-	-	1	E.S. CENTRAL	530	352	120	36	14	8	56
Worcester, Mass.	53	38	9	6	-	-	13	Birmingham, Ala.	104	67	26	6	1	4	18
MID. ATLANTIC	2,034	1,456	388	125	35	30	118	Chattanooga, Tenn.	44	32	9	2	-	1	2
Albany, N.Y.	61	45	14	1	1	-	2	Knoxville, Tenn.	U	U	U	U	U	U	U
Allentown, Pa.	31	27	2	1	1	-	3	Lexington, Ky.	72	50	14	5	3	-	6
Buffalo, N.Y.	83	60	17	3	1	2	9	Memphis, Tenn.	197	129	46	14	6	2	20
Camden, N.J.	24	13	5	1	1	4	4	Mobile, Ala.	20	14	5	1	-	-	1
Elizabeth, N.J.	22	17	4	-	1	-	-	Montgomery, Ala.	U	U	U	U	U	U	U
Erie, Pa.	33	27	3	3	-	-	2	Nashville, Tenn.	93	60	20	8	4	1	9
Jersey City, N.J.	56	40	9	5	2	-	-	W.S. CENTRAL	416	278	87	25	16	10	37
New York City, N.Y.	1,037	738	202	66	19	12	52	Austin, Tex.	61	34	20	5	2	-	5
Newark, N.J.	35	12	16	5	1	1	2	Baton Rouge, La.	28	17	5	1	3	2	1
Paterson, N.J.	14	6	3	2	-	3	-	Corpus Christi, Tex.	41	32	5	1	1	2	11
Philadelphia, Pa.	255	163	62	23	4	3	11	Dallas, Tex.	U	U	U	U	U	U	U
Pittsburgh, Pa. <sup>§</sup>	27	19	6	1	-	1	-	El Paso, Tex.	U	U	U	U	U	U	U
Reading, Pa.	24	19	4	1	-	-	3	Ft. Worth, Tex.	75	50	14	4	3	4	7
Rochester, N.Y.	125	107	11	5	1	1	9	Houston, Tex.	U	U	U	U	U	U	U
Schenectady, N.Y.	18	16	2	-	-	-	3	Little Rock, Ark.	57	37	15	2	2	1	3
Scranton, Pa.	27	19	4	3	-	1	1	New Orleans, La.	30	17	8	4	1	-	-
Syracuse, N.Y.	91	73	11	2	3	2	11	San Antonio, Tex.	U	U	U	U	U	U	U
Trenton, N.J.	27	20	6	1	-	-	4	Shreveport, La.	U	U	U	U	U	U	U
Utica, N.Y.	21	14	6	1	-	-	-	Tulsa, Okla.	124	91	20	8	4	1	10
Yonkers, N.Y.	23	21	1	1	-	-	2	MOUNTAIN	730	499	143	51	20	17	52
E.N. CENTRAL	1,227	775	287	106	38	21	87	Albuquerque, N.M.	82	62	12	6	-	2	12
Akron, Ohio	56	42	8	1	3	2	7	Boise, Idaho	U	U	U	U	U	U	U
Canton, Ohio	24	16	7	1	-	-	6	Boise, Idaho	U	U	U	U	U	U	U
Chicago, Ill.	408	232	101	54	18	3	28	Boise, Idaho	U	U	U	U	U	U	U
Cincinnati, Ohio	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
Cleveland, Ohio	106	65	31	7	2	1	7	Boise, Idaho	U	U	U	U	U	U	U
Columbus, Ohio	155	101	36	7	3	8	7	Boise, Idaho	U	U	U	U	U	U	U
Dayton, Ohio	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
Detroit, Mich.	111	65	29	12	4	1	7	Boise, Idaho	U	U	U	U	U	U	U
Evansville, Ind.	19	13	3	1	1	1	3	Boise, Idaho	U	U	U	U	U	U	U
Fort Wayne, Ind.	56	42	12	2	-	-	3	Boise, Idaho	U	U	U	U	U	U	U
Gary, Ind.	5	2	-	-	1	2	-	Boise, Idaho	U	U	U	U	U	U	U
Grand Rapids, Mich.	48	36	6	6	-	-	6	Boise, Idaho	U	U	U	U	U	U	U
Indianapolis, Ind.	138	87	34	10	6	1	9	Boise, Idaho	U	U	U	U	U	U	U
Lansing, Mich.	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
Milwaukee, Wis.	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
Peoria, Ill.	47	34	10	2	-	1	2	Boise, Idaho	U	U	U	U	U	U	U
Rockford, Ill.	54	40	10	3	-	1	2	Boise, Idaho	U	U	U	U	U	U	U
South Bend, Ind.	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
Toledo, Ohio	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
Youngstown, Ohio	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
W.N. CENTRAL	312	221	53	21	7	10	16	Boise, Idaho	U	U	U	U	U	U	U
Des Moines, Iowa	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
Duluth, Minn.	21	17	4	-	-	-	1	Boise, Idaho	U	U	U	U	U	U	U
Kansas City, Kans.	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
Kansas City, Mo.	89	62	14	8	2	3	4	Boise, Idaho	U	U	U	U	U	U	U
Lincoln, Nebr.	20	16	3	1	-	-	-	Boise, Idaho	U	U	U	U	U	U	U
Minneapolis, Minn.	52	36	11	3	1	1	4	Boise, Idaho	U	U	U	U	U	U	U
Omaha, Nebr.	81	56	11	7	3	4	6	Boise, Idaho	U	U	U	U	U	U	U
St. Louis, Mo.	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
St. Paul, Minn.	49	34	10	2	1	2	1	Boise, Idaho	U	U	U	U	U	U	U
Wichita, Kans.	U	U	U	U	U	U	U	Boise, Idaho	U	U	U	U	U	U	U
								TOTAL	7,552 <sup>¶</sup>	5,127	1,550	539	196	140	555

U: Unavailable. -:No reported cases.

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

<sup>†</sup> Pneumonia and influenza.

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

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

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