

Morbidity and Mortality

Weekly
Report



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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended January 23, 1954

The vehicle of infection for the 4 cases of botulism, reported in California last week, was home-canned peaches. The bacillus was reported as type A.

During the first 3 weeks of 1954, the incidence of meningococcal infections has been lower than for the corresponding period of last year. The total for the current year is 343 as compared with 423 for the corresponding period of 1953.

EPIDEMIOLOGICAL REPORTS

Influenza

The Influenza Information Center, NIH, has received information that Dr. J. R. Seal, U. S. Naval Training Station, Great Lakes, Ill., has isolated influenza C virus from a nasal washing, which was obtained on December 17, 1953. Primary symptoms were coryza, mild sore throat, and mild abdominal griping, but the illness was afebrile. He further reports that no other isolations had been made during December and the early part of January. Admission rates have been low, and few cases clinically resembling influenza have been encountered.

The Division of Preventive Medicine, SGO, Army, reports that during the month of December 1953, positive hemagglutination inhibition tests were obtained for influenza A on 3 paired sera obtained from military personnel in Eastern United States, 1 from Hawaii, and 4 from Europe. One positive test for influenza B was obtained in Eastern United States.

Anthrax in animals

According to the December report from the Department of Agriculture, 4 States reported 6 outbreaks of anthrax in animals during the month. Five of these outbreaks were confirmed by laboratory examinations. As a result of the total outbreaks, 15 cattle, 2 mules, and 1 hog were lost. The sources of infection were not determined, except for 1 outbreak where infected soil was suspected. Information from 41 States, the District of Columbia, and Hawaii, shows no outbreaks for December.

A summary of the monthly reports from the Department of Agriculture reveals that the incidence of anthrax in animals in the United States was remarkably lower in 1953 than in the previous year, when an unusually high incidence occurred. These reports indicate that 233 outbreaks of anthrax were reported by 26 States as compared with 1,644 by 32 States in 1952. For the year 1953, 557 animals were lost as compared with 4,125 for the previous year. Of these, 471 and 3,451, respectively, represent livestock losses. In 1951, 25 States reported 483 outbreaks in which 2,753 livestock were lost. The high incidence in 1952 was attributed to extensive outbreaks of the disease in swine reported from 5 midwest States during the first part of the year. In addition, numerous reports were received of outbreaks following vaccination with anthrax bacterin. Most of the outbreaks for 1953 were among cattle. There were no widespread outbreaks among swine, and only 1 outbreak was reported from anthrax vaccine. However, during the latter part of July, 37 widespread outbreaks, involving 2 counties in Southeastern Illinois, were reported. In these, 109 livestock including 43 swine were lost. During the year, only 127 swine were lost as compared with 1,614 for 1952. The source of infection for most of the outbreaks (101) was infected soil. In one instance, 86 mink were lost in

Minnesota from contaminated meat. During 1952, 672 mink were lost in 3 States, all from contaminated meat.

Reports do not indicate that any of the 33 human cases of anthrax reported in 1953 were the result of direct association with any of these outbreaks. They are considered to be of industrial origin, and the majority occurred in Pennsylvania (13), Massachusetts (5), and New Hampshire (4), where no anthrax among animals was reported.

Poliomyelitis

Dr. J. R. Enright, Hawaii Department of Health, has reported an unusual increase in poliomyelitis cases with onsets during the latter part of 1953, and through January 20, 1954. Paralytic cases according to date of onset were 4 in November, 12 in December, and 7 up to January 20, with the last being January 15. During this period, 14 nonparalytic cases were also reported. Of the 23 paralytic cases, 5 were in civilians, 1 was among the military forces, and 17 were among military dependents, who averaged an 11-month residence and were not present during the epidemic early in 1952. Because of the high attack rate in the Naval housing area, mass gamma globulin has been given on a voluntary basis to all military and nonmilitary dependents under 10 years of age residing in the area. Since January 1953, a total of 46 paralytic cases has been reported, the majority of which were in children of preschool age. Eight cases were in children of school age.

Psittacosis

The California Department of Public Health reports a case of psittacosis in a 73-year-old woman. The patient had fever and a consolidation in the right upper lobe. She had been in contact with a parakeet which was given to her by the owner of an aviary in the State. Her husband was also in contact with the bird but has not shown any signs of illness. The complement fixation titer on blood specimens of the patient rose from 1:512 to 1:1024. No birds in the aviary have been ill, and the bird in question was not examined.

Dr. S. H. Osborn, Connecticut Department of Health, reports that a laboratory examination of a parakeet, made at the Virus and Rickettsia Laboratory, CDC, was positive for psittacosis. The bird was one that had been imported from Florida.

Dr. W. R. Giedt, Washington State Department of Health, reports a case of psittacosis in a parakeet. The bird became ill 3 days after purchase and died 5 days later. Laboratory examination of the bird yielded evidence of psittacosis. This was confirmed by animal inoculation. The bird had been imported from California by a wholesaler. It was then purchased by an aviary and later turned over to a retail store for sale. It was not determined at which of these places the bird became infected. No human or suspect cases have been reported from this source.

Streptococcal disease

Dr. H. Kleinman, Red Lake Indian Agency, Minnesota, has supplied additional information on an outbreak of streptococcal disease complicated by acute nephritis occurring among Indians in the area, which was previously given in this report for the week ended August 22, 1953. In an investigation, 22 cases of scarlet fever were found. Two of the cases did not have pharyngeal signs

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of infection but had relatively severe pyodermatous lesions which preceded the rash by approximately a week. A total of 56 cases of acute glomerulo-nephritis was observed in the group having streptococcal disease during the period from early August to late October. One additional case of nephritis was seen early in November. Throat cultures from these cases showed that 26 percent had beta hemolytic streptococci, of which 21 percent were group A. Cultures of contacts showed that 20 percent carried beta type of organism, and of these, 8.3 percent were group A. In a group of suspects other than contacts, 63 percent were positive with 53 percent in group A. Preliminary attempts at typing showed that the streptococci recovered did not conform to any type for which antisera were available. A program of mass prophylaxis with penicillin was instituted, which reached 70 percent of the group affected. Throat cultures obtained subsequently indicate that about 1.5 percent were carriers of the streptococcus. The cases of acute glomerulo-nephritis exhibited the usual symptoms of hematuria, edema, oliguria, and hypertension in nearly half of them. Involvement of the heart with decompensation was

noted in 3 cases and one in a 2-year-old child was fatal. Pneumonia occurred in 9, and concomitantly infectious hepatitis occurred in 2 and shigella infections in 4. Only children were affected. In many families there were 2 cases of nephritis, and in one instance, there were 4 cases.

Gastro-enteritis

The California Department of Public Health reports 2 outbreaks of gastro-enteritis following the eating of turkey meat. One was in a private family consisting of 3 persons and the other was among 20 persons who ate in a restaurant. Abdominal cramps and diarrhea were the predominating symptoms. In addition, 2 persons in the private family experienced nausea and vomiting. These 2 became ill about 2½ hours after eating cooked turkey in spaghetti with cheese. Laboratory examination of the cooked turkey meat showed coagulase positive staphylococci. At the restaurant, 11 persons who ate turkey a la king became ill from 3 to 19 hours later. No food specimens were collected. Six patients submitted specimens but none were positive.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: CONTINENTAL UNITED STATES
(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	3rd WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Jan. 23, 1954	Ended Jan. 24, 1953	Median 1949-53	First 3 weeks			Since seasonal low week			
				1954	1953	Median 1949-53	1953-54	1952-53	Median 1948-49 to 1952-53	
Anthrax-----062	1 ¹	1	-	1	2	2	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	---	5	-	---	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	22	21	---	63	70	---	(2)	(2)	(2)	(2)
Diphtheria-----055	44	44	85	146	145	303	1,511	1,816	3,329	July 1
Encephalitis, infectious-----082	13	19	13	36	42	35	(2)	(2)	(2)	(2)
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,214	656	---	2,976	2,001	---	(2)	(2)	(2)	(2)
Malaria-----110-117	8	11	---	22	40	---	(2)	(2)	(2)	(2)
Measles-----085	8,837	6,569	9,020	23,451	18,138	21,577	59,543	49,572	50,967	Sept. 1
Meningococcal infections-----057	104	153	116	343	423	318	1,665	1,698	1,397	Sept. 1
Poliomyelitis-----080	131	189	133	498	642	428	34,952	56,937	32,606	Apr. 1
Psittacosis-----096.2	6 ¹	-	---	1	2	---	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	-	-	-	(2)	(2)	(2)	(2)
Rocky Mountain spotted fever-----104A	-	-	-	-	1	1	(2)	(2)	(2)	(2)
Scarlet fever and streptococcal sore throat-----050,051	3,978	4,584	2,736	10,862	12,420	7,210	45,496	49,008	24,732	Aug. 1
Smallpox-----084	-	-	-	-	-	2	(2)	(2)	(2)	(2)
Trichiniasis-----128	-	2	---	5	8	---	(2)	(2)	(2)	(2)
Tularemia-----059	17	18	18	48	46	53	(2)	(2)	(2)	(2)
Typhoid fever-----040	24	24	39	63	80	97	2,077	2,092	2,225	Apr. 1
Typhus fever, endemic-----101	3	4	---	7	16	---	197	172	---	Apr. 1
Whooping cough-----056	968	744	1,205	2,818	2,097	3,818	12,575	9,954	18,082	Oct. 1
Rabies in animals-----	156	153	---	442	422	---	(2)	(2)	(2)	(2)

¹Reported in Pennsylvania.
²Information not available or frequencies are too small.
³Addition: Idaho, week ended January 16, 1 case.
⁴Addition: Alabama, week ended January 9, 2 cases.
⁵Addition: Idaho, week ended January 16, 2 cases.
⁶Reported in Pennsylvania.
⁷Additions: Arizona and Utah, week ended January 16, 45 and 17 cases, respectively.
⁸Addition: Alabama, week ended January 9, 1 case.
⁹Additions: Alabama and Indiana, week ended January 9, 28 and 22 cases, respectively.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and Territory and of one possession. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, psittacosis, rabies in man, and smallpox are not shown

in table 2, but a footnote to table 1 shows the States making the reports. In addition, when diseases of rare occurrence (cholera, dengue, plague, relapsing fever—louse borne, typhus fever—epidemic, and yellow fever) are reported, they will be noted at the end of table 1.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 24, 1953, AND JANUARY 23, 1954

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	BRUCELLOSIS (UNDULANT FEVER) (044)		DIPHTHERIA (055)		ENCEPHALITIS, INFECTIOUS (082)		HEPATITIS, INFECTIOUS, AND SERUM (092,N998.5 pt.)		MALARIA (110-117)			
									Civilian ¹		Military	
	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953
CONT. UNITED STATES-----	22	21	44	44	13	19	1,214	656	5	6	3	5
NEW ENGLAND-----	-	1	-	-	-	-	46	62	-	-	-	-
Maine-----	-	-	-	-	-	-	6	37	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	2	-	-	-	-	-
Vermont-----	-	1	-	-	-	-	3	-	-	-	-	-
Massachusetts-----	-	-	-	-	-	-	27	25	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	2	-	-	-	-	-
Connecticut-----	-	-	-	-	-	-	6	-	-	-	-	-
MIDDLE ATLANTIC-----	4	-	2	2	4	5	206	48	1	-	-	-
New York-----	3	-	1	2	3	5	143	42	1	-	-	-
New Jersey-----	-	-	-	-	1	-	5	-	-	-	-	-
Pennsylvania-----	1	-	1	-	-	-	58	6	-	-	-	-
EAST NORTH CENTRAL-----	4	1	8	7	5	4	175	109	-	-	-	-
Ohio-----	-	-	2	4	-	-	37	23	-	-	-	-
Indiana-----	-	-	5	1	-	1	21	7	-	-	-	-
Illinois-----	4	-	-	1	2	-	55	24	-	-	-	-
Michigan-----	-	-	1	-	3	2	55	47	-	-	-	-
Wisconsin-----	-	1	-	1	-	1	7	8	-	-	-	-
WEST NORTH CENTRAL-----	7	11	-	2	2	-	145	70	-	-	-	1
Minnesota-----	2	-	-	-	-	-	77	11	-	-	-	-
Iowa-----	4	9	-	2	-	-	50	9	-	-	-	-
Missouri-----	1	1	-	-	1	-	11	16	-	-	-	1
North Dakota-----	-	-	-	-	-	-	2	9	-	-	-	-
South Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska-----	-	-	-	-	-	-	1	22	-	-	-	-
Kansas-----	-	1	-	-	1	-	4	3	-	-	-	-
SOUTH ATLANTIC-----	-	2	21	17	-	1	331	167	-	-	2	4
Delaware-----	-	-	-	-	-	-	3	-	-	-	-	-
Maryland-----	-	-	-	-	-	-	34	6	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	1	-	-	-	-	-
Virginia-----	-	-	2	3	-	-	221	77	-	-	-	3
West Virginia-----	-	-	2	1	-	-	21	30	-	-	-	-
North Carolina-----	-	1	-	3	-	-	35	28	-	-	2	1
South Carolina-----	-	-	11	3	-	-	8	-	-	-	-	-
Georgia-----	-	-	5	5	-	1	4	23	-	-	-	-
Florida-----	-	1	1	2	-	-	4	3	-	-	-	-
EAST SOUTH CENTRAL-----	1	1	9	7	-	2	123	94	-	-	-	-
Kentucky-----	-	-	-	3	-	-	16	39	-	-	-	-
Tennessee-----	-	-	4	2	-	1	55	6	-	-	-	-
Alabama-----	1	1	3	2	-	1	12	33	-	-	-	-
Mississippi-----	-	-	2	-	-	-	40	16	-	-	-	-
WEST SOUTH CENTRAL-----	3	1	3	4	1	4	30	37	2	4	-	-
Arkansas-----	-	1	-	-	1	-	3	4	-	-	-	-
Louisiana-----	-	-	-	1	-	-	-	-	-	1	-	-
Oklahoma-----	1	-	1	1	-	-	6	6	-	2	-	-
Texas-----	2	-	2	2	-	4	21	27	2	1	-	-
MOUNTAIN-----	1	1	1	1	-	-	54	14	2	-	-	-
Montana-----	-	-	-	-	-	-	-	1	-	-	-	-
Idaho-----	-	-	-	-	-	-	29	2	1	-	-	-
Wyoming-----	-	1	-	1	-	-	2	-	-	-	-	-
Colorado-----	-	-	1	-	-	-	6	4	-	-	-	-
New Mexico-----	-	-	-	-	-	-	1	-	-	-	-	-
Arizona-----	1	-	-	-	-	-	15	2	1	-	-	-
Utah-----	-	-	-	-	-	-	1	5	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	2	3	-	4	1	3	104	55	-	2	1	-
Washington-----	-	-	-	2	-	-	23	4	-	-	-	-
Oregon-----	-	-	-	1	-	-	37	23	-	2	-	-
California-----	2	3	-	1	1	3	44	28	-	-	1	-
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	12	10	-	-	4	-	-	-	-	-

¹Includes cases not specified as civilian or military.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 24, 1953, AND JANUARY 23, 1954—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	MEASLES (085)		MENINGO- COCCAL INFECTIONS (057)		POLIOMYELITIS (080)						ROCKY MOUNTAIN SPOTTED FEVER (104A)	
					Total ²		Paralytic (080.0,080.1)		Nonparalytic (080.2)			
	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953
CONF. UNITED STATES-----	8,837	6,569	104	153	131	189	56	---	34	---	-	-
NEW ENGLAND-----	157	126	2	5	4	6	2	---	2	---	-	-
Maine-----	119	16	-	1	-	1	-	---	-	---	-	-
New Hampshire-----	7	11	-	1	2	-	1	---	1	---	-	-
Vermont-----	4	21	-	-	-	-	-	---	-	---	-	-
Massachusetts-----	16	50	1	1	1	3	-	---	1	---	-	-
Rhode Island-----	-	-	-	2	-	1	-	---	-	---	-	-
Connecticut-----	11	28	1	-	1	1	1	---	-	---	-	-
MIDDLE ATLANTIC-----	1,612	456	12	15	15	15	4	---	-	---	-	-
New York-----	997	175	3	6	9	10	3	---	-	---	-	-
New Jersey-----	61	74	3	4	1	2	1	---	-	---	-	-
Pennsylvania-----	554	207	6	5	5	3	-	---	-	---	-	-
EAST NORTH CENTRAL-----	2,084	2,719	17	25	23	31	10	---	7	---	-	-
Ohio-----	449	559	7	6	9	7	4	---	2	---	-	-
Indiana-----	471	12	4	1	1	2	1	---	-	---	-	-
Illinois-----	417	250	3	11	1	9	-	---	-	---	-	-
Michigan-----	648	626	3	7	10	13	5	---	4	---	-	7
Wisconsin-----	99	1,272	-	-	2	-	-	---	1	---	-	-
WEST NORTH CENTRAL-----	305	616	8	6	11	15	3	---	3	---	-	-
Minnesota-----	12	163	-	1	2	4	1	---	-	---	-	-
Iowa-----	162	99	1	1	-	-	-	---	-	---	-	-
Missouri-----	23	150	3	3	4	8	2	---	1	---	-	-
North Dakota-----	54	10	-	-	1	-	-	---	-	---	-	-
South Dakota-----	11	3	2	-	2	2	-	---	2	---	-	-
Nebraska-----	6	15	1	1	-	-	-	---	-	---	-	-
Kansas-----	37	176	1	-	2	1	-	---	-	---	-	-
SOUTH ATLANTIC-----	1,272	325	32	36	16	18	7	---	5	---	-	-
Delaware-----	7	-	-	1	-	-	-	---	-	---	-	-
Maryland-----	185	20	1	2	-	1	-	---	-	---	-	-
District of Columbia-----	33	4	-	2	-	-	-	---	-	---	-	-
Virginia-----	325	39	7	4	1	1	-	---	1	---	-	-
West Virginia-----	123	67	-	1	2	4	-	---	1	---	-	-
North Carolina-----	144	112	14	10	4	4	2	---	1	---	-	-
South Carolina-----	176	20	4	3	1	-	1	---	-	---	-	-
Georgia-----	93	52	3	6	8	3	4	---	2	---	-	-
Florida-----	186	11	3	7	-	5	-	---	-	---	-	-
EAST SOUTH CENTRAL-----	869	181	7	17	10	2	2	---	4	---	-	-
Kentucky-----	381	14	-	4	-	1	-	---	-	---	-	-
Tennessee-----	247	100	2	4	7	-	2	---	3	---	-	-
Alabama-----	188	31	1	6	2	1	-	---	-	---	-	-
Mississippi-----	53	36	4	3	1	-	-	---	1	---	-	-
WEST SOUTH CENTRAL-----	820	918	8	25	11	5	8	---	1	---	-	-
Arkansas-----	37	149	1	4	1	-	1	---	-	---	-	-
Louisiana-----	93	6	2	6	3	1	2	---	1	---	-	-
Oklahoma-----	13	8	1	1	-	2	-	---	-	---	-	-
Texas-----	677	755	4	14	7	2	5	---	-	---	-	-
MOUNTAIN-----	660	421	6	4	8	21	1	---	-	---	-	-
Montana-----	97	61	2	1	1	4	-	---	-	---	-	-
Idaho-----	125	15	-	-	1	1	-	---	-	---	-	-
Wyoming-----	58	17	-	-	3	-	-	---	-	---	-	-
Colorado-----	17	160	2	-	1	3	1	---	-	---	-	-
New Mexico-----	33	21	-	-	-	-	-	---	-	---	-	-
Arizona-----	88	19	2	1	-	1	-	---	-	---	-	-
Utah-----	241	112	-	1	2	6	-	---	-	---	-	-
Nevada-----	1	16	-	1	-	6	-	---	-	---	-	-
PACIFIC-----	1,058	807	12	20	33	76	19	---	12	---	-	-
Washington-----	301	120	3	-	2	4	-	---	-	---	-	-
Oregon-----	42	153	1	1	1	1	1	---	-	---	-	-
California-----	715	534	8	19	30	71	18	---	12	---	-	-
Alaska-----	40	-	-	-	6	-	5	---	1	---	-	-
Hawaii-----	1	3	-	-	8	-	5	---	3	---	-	-
Puerto Rico-----	29	8	-	-	-	-	-	---	-	---	-	-

²Includes cases not specified by type, category number (080.3).

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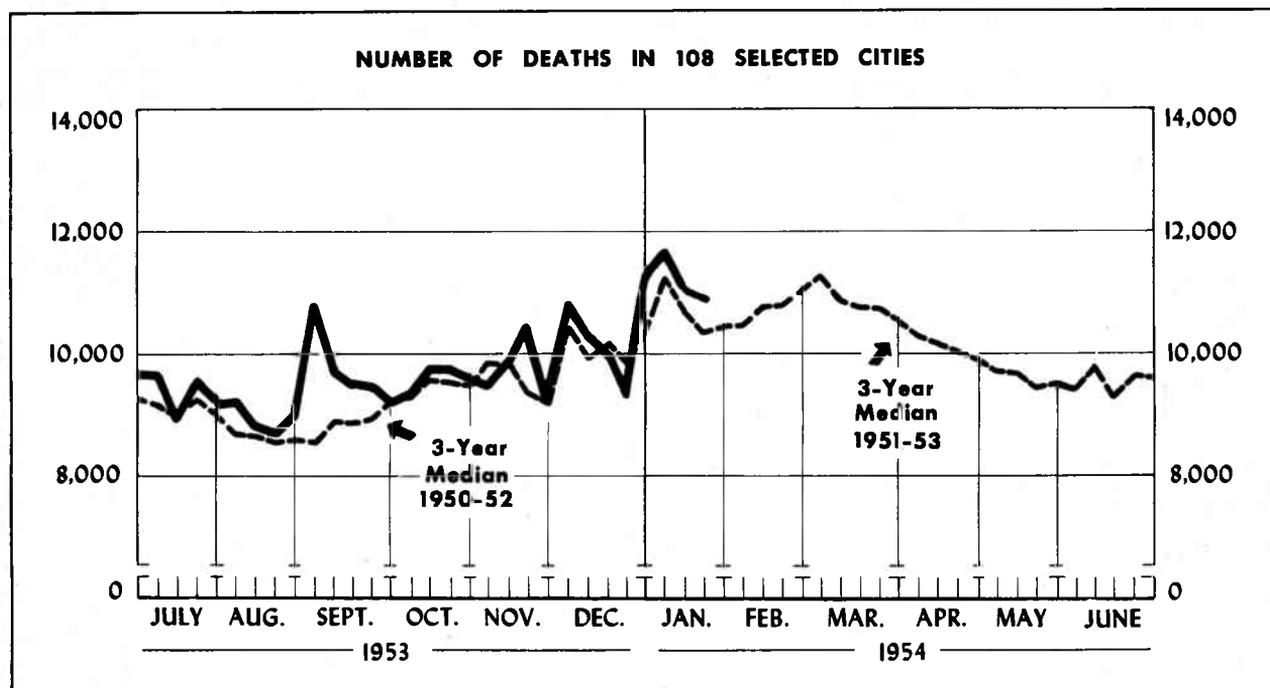
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 24, 1953, AND JANUARY 23, 1954—Continued
(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	SCARLET FEVER AND STREPTOCOCCAL SORE THROAT (050, 051)		TRICHI- NIASIS (128)	TULAREMIA (059)		TYPHOID FEVER (040)		TYPHUS FEVER, ENDEMIC (101)	WHOOPING COUGH (056)		RABIES IN ANIMALS	
	1954	1953	1954	1954	1953	1954	1953	1954	1954	1953	1954	1953
CONF. UNITED STATES-----	3,978	4,584	-	17	18	24	24	3	968	744	156	153
NEW ENGLAND-----	276	403	-	-	-	1	1	-	120	125	-	-
Maine-----	50	46	-	-	-	-	-	-	1	22	-	-
New Hampshire-----	10	10	-	-	-	-	-	-	7	-	-	-
Vermont-----	8	8	-	-	-	-	-	-	31	28	-	-
Massachusetts-----	118	142	-	-	-	1	-	-	50	44	-	-
Rhode Island-----	9	39	-	-	-	-	1	-	9	7	-	-
Connecticut-----	81	158	-	-	-	-	-	-	22	24	-	-
MIDDLE ATLANTIC-----	395	693	-	-	-	1	2	-	234	227	5	13
New York-----	243	367	-	-	-	-	-	-	119	107	4	12
New Jersey-----	60	126	-	-	-	-	1	-	33	48	-	-
Pennsylvania-----	92	200	-	-	-	1	1	-	82	72	1	1
EAST NORTH CENTRAL-----	848	962	-	5	3	3	-	-	219	107	29	9
Ohio-----	183	227	-	-	-	3	-	-	25	33	1	1
Indiana-----	122	160	-	-	-	-	-	-	59	9	8	3
Illinois-----	164	190	-	4	-	-	-	-	21	4	12	-
Michigan-----	218	258	-	1	3	-	-	-	65	38	3	3
Wisconsin-----	161	127	-	-	-	-	-	-	49	23	⁹⁵	2
WEST NORTH CENTRAL-----	192	245	-	-	3	1	-	-	20	14	15	21
Minnesota-----	37	45	-	-	2	-	-	-	9	3	3	3
Iowa-----	45	41	-	-	-	-	-	-	1	3	4	8
Missouri-----	24	65	-	1	1	-	-	-	10	6	8	9
North Dakota-----	8	26	-	-	-	-	-	-	-	1	-	-
South Dakota-----	28	11	-	-	-	-	-	-	-	1	-	-
Nebraska-----	24	7	-	-	-	-	-	-	-	-	-	1
Kansas-----	26	50	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	318	538	-	6	-	5	9	2	105	40	32	21
Delaware-----	12	7	-	-	-	-	-	-	1	-	-	-
Maryland-----	43	83	-	-	-	2	-	-	30	12	-	1
District of Columbia-----	7	13	-	-	-	-	-	-	2	2	-	-
Virginia-----	88	295	-	3	-	1	3	-	27	10	8	7
West Virginia-----	25	33	-	-	-	-	-	-	30	2	9	1
North Carolina-----	56	52	-	-	-	-	2	-	8	2	1	1
South Carolina-----	23	7	-	1	-	1	-	-	1	3	8	6
Georgia-----	44	29	-	2	-	1	-	2	1	6	2	4
Florida-----	20	19	-	-	-	-	4	-	5	3	4	1
EAST SOUTH CENTRAL-----	130	170	-	3	6	3	6	-	77	49	34	49
Kentucky-----	44	99	-	-	-	2	2	-	74	19	5	8
Tennessee-----	66	48	-	2	5	1	2	-	3	16	11	13
Alabama-----	9	19	-	-	-	-	1	-	-	10	9	19
Mississippi-----	11	4	-	1	1	-	1	-	-	4	9	9
WEST SOUTH CENTRAL-----	939	643	-	3	2	4	3	-	96	88	39	38
Arkansas-----	58	66	-	1	1	1	-	-	14	14	3	5
Louisiana-----	8	9	-	1	1	1	1	-	2	2	⁴ 10	-
Oklahoma-----	46	7	-	1	-	-	-	-	2	4	-	-
Texas-----	827	561	-	-	-	2	2	-	78	68	26	33
MOUNTAIN-----	417	515	-	-	4	2	1	-	35	7	-	1
Montana-----	10	34	-	-	1	-	-	-	1	1	-	-
Idaho-----	14	204	-	-	-	2	1	-	-	2	-	-
Wyoming-----	19	5	-	-	1	-	-	-	-	2	-	-
Colorado-----	48	39	-	-	-	-	-	-	2	-	-	-
New Mexico-----	33	8	-	-	2	-	-	-	2	1	-	-
Arizona-----	254	10	-	-	-	-	-	-	25	1	-	1
Utah-----	36	211	-	-	-	-	-	-	4	-	-	-
Nevada-----	3	4	-	-	-	-	-	-	1	-	-	-
PACIFIC-----	463	415	-	-	-	4	2	1	62	87	2	1
Washington-----	111	152	-	-	-	-	-	-	13	5	-	-
Oregon-----	105	85	-	-	-	1	1	-	16	18	-	-
California-----	247	178	-	-	-	3	1	1	33	64	2	1
Alaska-----	-	4	-	-	-	-	-	-	-	7	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	3	-	-
Puerto Rico-----	-	-	-	-	-	1	-	-	23	11	-	1

³Report for December.

⁴Report for week ended January 9, 1954.

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The chart shows the number of deaths reported for 108 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) If a report is not received from a city in time to be included in the total for the current week, an estimate is made to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated, for deaths occurring in that city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between

death and receipt of the certificate.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city where 50 deaths are the weekly average, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ($d \pm 2\sqrt{d}$, where d represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISION

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

AREA	3rd week ended Jan. 23, 1954	2d week ended Jan. 16, 1954	3rd week median 1951-53	Percent change, median to current week	CUMULATIVE NUMBER FOR FIRST 3 WEEKS		
					1954	1953	Percent change
TOTAL: 104 REPORTING CITIES-----	10,653	10,720	10,008	+6.4	32,701	33,798	-3.2
New England----- (14 cities)	721	767	712	+1.3	2,281	2,172	+5.0
Middle Atlantic----- (16 cities)	3,284	3,236	3,135	+4.8	9,850	9,906	-0.6
East North Central----- (17 cities)	2,280	2,306	2,180	+4.6	7,095	7,322	-3.1
West North Central----- (8 cities)	764	732	718	+6.4	2,323	2,649	-12.3
South Atlantic----- (9 cities)	819	810	766	+6.9	2,464	2,694	-8.5
East South Central----- (8 cities)	496	563	474	+4.6	1,663	1,627	+2.2
West South Central----- (13 cities)	889	879	749	+18.7	2,733	2,764	-1.1
Mountain----- (8 cities)	238	254	236	+0.8	755	975	-22.6
Pacific----- (11 cities)	1,162	1,173	1,120	+3.8	3,537	3,689	-4.1

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Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED JANUARY 23, 1954

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

CITY	3d week ended Jan. 23, 1954	2d week ended Jan. 16, 1954	CUMULATIVE NUMBER FOR FIRST 3 WEEKS		CITY	3d week ended Jan. 23, 1954	2d week ended Jan. 16, 1954	CUMULATIVE NUMBER FOR FIRST 3 WEEKS	
			1954	1953				1954	1953
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston-----	213	250	703	701	St. Louis-----	263	239	748	827
Bridgeport-----	46	33	119	103	St. Paul-----	80	60	228	266
Cambridge-----	35	30	99	96	Wichita-----	43	39	135	134
Fall River-----	31	28	92	82	SOUTH ATLANTIC				
Hartford-----	46	60	168	155	Atlanta-----	120	111	354	351
Lowell-----	35	30	100	72	Baltimore-----	252	243	740	756
Lynn-----	30	22	89	79	Charlotte-----	26	25	85	93
New Bedford-----	28	24	78	79	Jacksonville-----	(64)	(70)	(198)	---
New Haven-----	47	42	153	150	Miami-----	62	77	192	194
Providence-----	72	78	214	223	Norfolk-----	33	30	115	127
Somerville-----	20	15	46	48	Richmond-----	49	78	204	247
Springfield, Mass.-----	44	50	147	110	Savannah-----	(27)	(25)	(80)	---
Waterbury-----	24	32	91	95	Tampa-----	71	61	198	209
Worcester-----	50	73	182	179	Washington, D. C.-----	170	145	467	635
MIDDLE ATLANTIC					Wilmington, Del.-----	36	40	109	82
Albany-----	58	49	147	166	EAST SOUTH CENTRAL				
Allentown-----	(31)	(30)	(104)	---	Birmingham-----	81	116	293	264
Buffalo-----	162	164	503	488	Chattanooga-----	50	84	193	141
Camden-----	42	36	131	110	Knoxville-----	37	28	118	100
Elizabeth-----	29	46	107	74	Louisville-----	107	142	356	311
Erie-----	41	32	113	121	Memphis-----	105	91	323	417
Jersey City-----	88	81	236	240	Mobile-----	33	30	103	107
Newark, N. J.-----	114	98	357	373	Montgomery-----	29	28	93	115
New York City-----	1,719	1,743	5,366	5,390	Nashville-----	54	44	184	172
Pateron-----	62	40	155	120	WEST SOUTH CENTRAL				
Philadelphia-----	542	441	1,337	1,448	Austin-----	13	30	75	94
Pittsburgh-----	157	201	523	558	Baton Rouge-----	27	22	87	43
Reading-----	(24)	(17)	(67)	---	Corpus Christi-----	21	12	53	70
Rochester, N. Y.-----	105	105	325	328	Dallas-----	115	109	369	342
Schenectady-----	28	33	90	83	El Paso-----	35	32	99	113
Scranton-----	(43)	(43)	(125)	---	Fort Worth-----	52	53	181	220
Syracuse-----	58	59	193	186	Houston-----	155	154	502	421
Trenton-----	45	72	165	148	Little Rock-----	53	45	151	150
Utica-----	---	(28)	---	(81)	New Orleans-----	199	165	488	521
Yonkers-----	34	36	102	73	Oklahoma City-----	52	85	205	210
EAST NORTH CENTRAL					San Antonio-----	100	86	272	308
Akron-----	59	65	208	195	Shreveport-----	32	55	121	158
Canton-----	40	35	119	76	Tulsa-----	37	31	130	114
Chicago-----	772	767	2,274	2,544	MOUNTAIN				
Cincinnati-----	133	164	492	484	Albuquerque-----	26	31	90	114
Cleveland-----	224	227	704	646	Colorado Springs-----	12	14	38	65
Columbus-----	122	115	375	353	Denver-----	110	107	325	433
Dayton-----	76	72	214	201	Ogden-----	7	13	31	43
Detroit-----	316	328	1,014	1,071	Phoenix-----	19	31	83	70
Evansville-----	---	(37)	---	(116)	Pueblo-----	12	12	42	58
Flint-----	41	22	116	110	Salt Lake City-----	47	43	135	175
Fort Wayne-----	26	29	84	108	Tucson-----	5	3	11	17
Gary-----	---	(20)	---	---	PACIFIC				
Grand Rapids-----	48	40	131	133	Berkeley-----	20	26	61	63
Indianapolis-----	119	86	345	376	Long Beach-----	49	49	175	162
Milwaukee-----	131	138	381	404	Los Angeles-----	497	521	1,526	1,595
Peoria-----	34	26	95	95	Oakland-----	105	105	294	336
South Bend-----	19	32	79	69	Pasadena-----	36	25	96	123
Toledo-----	72	104	300	288	Portland, Oreg.-----	114	118	338	331
Youngstown-----	48	56	164	169	Sacramento-----	53	51	175	166
WEST NORTH CENTRAL					San Diego-----	56	83	231	250
Des Moines-----	42	47	149	174	San Francisco-----	---	(200)	---	(700)
Duluth-----	24	26	85	98	Seattle-----	147	113	383	391
Kansas City, Kans.-----	---	---	---	(134)	Spokane-----	49	48	148	150
Kansas City, Mo.-----	124	129	374	447	Tacoma-----	36	34	110	122
Minneapolis-----	122	130	395	458	Honolulu-----	(44)	(33)	(117)	(114)
Omaha-----	66	62	209	245					

Symbols.—parentheses [()]: data not included in table 3; 3 dashes [---]: data not available.

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