

Morbidity and Mortality

Weekly
Report



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HEALTH, EDUCATION, AND WELFARE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended July 24, 1954

The incidence of poliomyelitis for the current week increased about 11 percent over that for last week. The total for the current week is less than the corresponding totals for the previous 3 years, 1949, 1952, and 1953, when large numbers of cases were reported.

EPIDEMIOLOGICAL REPORTS

Anthrax in animals

According to the monthly report from the Department of Agriculture for June 21, outbreaks of anthrax in animals occurred in 7 States and Puerto Rico. As a result of these outbreaks 33 cattle, a pony, and 24 zoo animals were lost. The source of infection of the zoo animals was contaminated feed. In all but one of the other outbreaks, infected soil was considered to be the source. Reports were received showing that no anthrax outbreaks occurred during June in 36 States, the District of Columbia, and Hawaii.

Supplemental information for May shows a total of 19 outbreaks instead of the 22 reported earlier. The May report was summarized in the "Morbidity and Mortality Weekly Report" for the week ended June 19, 1954.

Dr. W. R. Giedt, Epidemiologist in the Washington State Department of Health, in a follow-up report on the outbreak of anthrax in a zoo, states there is reason to doubt that the death of the pony, the first in a series of deaths, was due to anthrax. The pony was born on the premises and had no contact with the area where deer had died from anthrax 21 years ago. Although the carcass of the pony was used as food for the various carnivores, among which deaths occurred, the zoo regularly purchases horses for this purpose. It is possible that a horse carcass was responsible for the outbreak. The source of infection has not as yet been definitely established.

Diphtheria, laboratory infection

Dr. W. R. Giedt, Washington State Department of Health, reports that a technician, working in a laboratory with diphtheria phage, spilled a suspension of *C. diphtheriae* on her hands. She neglected to wash her hands immediately and 3 days later she developed a sore throat. A throat culture was positive for *C. diphtheriae*. One of 2 persons in close contact with the patient developed mild symptoms.

Brucellosis

Dr. W. R. Giedt reports 4 cases of brucellosis which occurred in the State of Washington. The symptoms were fever, night sweats, and malaise. Agglutination tests on blood specimens of all 4 were positive for *Brucella abortus* in titers of 1:320. The 4 patients were in one family and drank raw milk from the family cow. Seven other individuals were supplied with milk from this cow. Agglutination tests were run on 4 of these and only 1 showed any indication of the disease. The cow was found to be infected with the disease and was disposed of.

Psittacosis

The Los Angeles City Health Department reports a case of psittacosis in a 51-year-old woman. The patient developed a

fever and a chest X-ray showed that she had pneumonia. However, complement fixation tests on blood samples taken 10 and 35 days after the onset of symptoms were both positive for psittacosis in dilutions of 1:120. The patient owns a parakeet which appeared normal at the time of the investigation.

Dr. F. H. Wentworth, Ohio Department of Health, reports 3 cases of psittacosis which occurred in different cities of the State. Three unrelated local department stores were involved, but parakeets in these stores had been purchased from a single source in New York City. One of these stores purchased additional birds from Chicago. Two patients were employed in department stores and were in contact with birds being sold. The other patient had purchased a parakeet from a local store about 3 weeks prior to the onset of his illness. This bird became sick and died about a week after purchase. No virus studies were made on this bird, but complement fixation tests on blood samples of the patient showed a rise in titer from negative during the acute phase to a positive titer of 1:320 during the convalescent phase. His wife and daughter had a similar illness shortly after the onset of his illness. The wife now has a titer of 1:80. Complement fixation tests on blood specimens collected during the convalescent phase on the 2 patients who worked near parakeets were positive for psittacosis in dilutions of 1:160 and 1:320, respectively.

Dr. W. R. Giedt, Washington State Department of Health, gives information on an investigation of the incidence of psittacosis in persons exposed to parakeets from sources in which the infection is known to exist. One case was reported in a clerk who handled parakeets in a department store. The complement fixation test on a blood specimen of this patient was positive for psittacosis in a dilution of 1:32. Another clerk, who cared for the birds, gave a history suggestive of psittacosis but the titer was low on complement fixation test. A third clerk took home a few birds which had been returned to the store because of illness. Blood specimens have been taken from his wife who has a history of "recurrent flu." The results of the complement fixation test on these specimens as well as a second test on the patient with a low titer are not yet available.

Gastro-enteritis

In his "Saturday Letter to the Mayor," Dr. Ross Davies of the Baltimore City Health Department reports the first major recorded outbreak of gastro-enteritis in the city during the year. Thirty persons out of a group of 43 were made ill by eating contaminated chicken a la king served by a caterer at a dinner meeting held in the office of a local business firm. The investigation implicated a waiter who was temporarily infected with an organism similar to that causing the outbreak.

The California Department of Public Health reports 2 small outbreaks of gastro-enteritis in widely separated counties. In one instance 5 persons became ill with nausea, vomiting, and diarrhea from 4 to 18 hours after a picnic lunch. Salmon sandwiches with pickle and mayonnaise were prepared at noon and eaten about 2:00 p.m. Two hours later the patients purchased and ate orange freezes. Laboratory examination of a specimen of the salmon was negative for pathogens. Stool specimens from the patients and from a food handler were also negative. In the other outbreak roast turkey was responsible for 7 cases of gastro-

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enteritis in a family. A frozen turkey had been purchased at a local grocery, was thawed, and then roasted. Three persons ate some of the meat without any ill effects. The remaining turkey meat was refrigerated, and when eaten several days later, it produced illness. Laboratory examination of a sample of the turkey revealed the presence of *Staphylococcus aureus*.

The California Department of Public Health reports 2 outbreaks of gastro-enteritis—1 in an institution and 1 following a social luncheon. In the institution, 30 of 129 persons who ate the regular meal became ill from 9½ to 32 hours later. The symptoms were severe stomach pain and cramps, nausea, and diarrhea. The vehicle of infection was suspected to be a chicken and veal salad served at the regular meal. Chicken and veal were boiled, allowed to cool for 2 hours, and refrigerated overnight. The next morning

the meat was removed and mixed with mayonnaise, celery, bell peppers, lettuce, and seasoning. It was again placed in the refrigerator and served at noon for various servings. A portion of the salad produced a high bacterial count but was negative for pathogens. Stool specimens from 3 patients were negative. At the social luncheon 16 of 22 persons became ill with vomiting and diarrhea from 2 to 8 hours after eating chicken salad. The chicken was boiled and diced during the day and stored in a pantry at room temperature overnight, because the cook did not want to put hot food in the refrigerator. A throat culture of 1 food handler was negative. Specimens of the salad contained a paracolon type of organism, but since they came from garbage can, they may have been contaminated therein. A paracolon was also isolated from the stool specimen of 1 patient.

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	29th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended July 24, 1954	Ended July 25, 1953	Median 1949-53	First 29 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	13	20	27	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	---	6	13	---	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	34	41	---	908	967	---	(2)	(2)	(2)	(2)
Diphtheria-----055	30	30	38	977	1,139	2,085	105	87	115	July 1
Encephalitis, infectious-----082	40	33	23	³ 869	591	506	(2)	(2)	(2)	(2)
Hepatitis, infectious, and serum-----092,N998.5 pt.	688	587	---	⁴ 33,272	19,049	---	(2)	(2)	(2)	(2)
Malaria-----110-117	32	90	---	318	728	---	(2)	(2)	(2)	(2)
Measles-----085	6,757	3,534	3,418	614,204	402,568	456,957	650,296	434,002	486,347	Sept. 1
Meningococcal infections-----057	44	49	50	⁵ 2,758	3,493	2,643	⁵ 4,080	4,768	3,722	Sept. 1
Poliomyelitis-----080	1,171	1,348	1,348	⁶ 7,689	8,214	6,318	⁶ 6,137	6,633	5,313	Apr. 1
Psittacosis-----096.2	73	1	---	344	31	---	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	3	3	3	(2)	(2)	(2)	(2)
Rocky Mountain spotted fever-----104A	9	16	21	157	180	191	(2)	(2)	(2)	(2)
Scarlet fever and streptococcal sore throat-----050,051	1,277	1,209	443	106,314	98,602	56,973	140,948	135,190	80,179	Aug. 1
Smallpox-----084	-	-	-	-	5	13	(2)	(2)	(2)	(2)
Trichinosis-----128	6	9	---	159	250	---	(2)	(2)	(2)	(2)
Tularemia-----059	16	15	21	344	319	391	(2)	(2)	(2)	(2)
Typhoid fever-----040	55	73	73	⁸ 1,044	1,086	1,185	⁸ 635	781	781	Apr. 1
Typhus fever, endemic-----101	5	9	---	⁹ 104	139	---	⁹ 70	99	---	Apr. 1
Whooping cough-----056	1,272	798	1,317	¹⁰ 31,534	19,274	31,818	¹⁰ 41,291	27,431	43,904	Oct. 1
Rabies in animals-----	112	128	---	4,464	4,415	---	(2)	(2)	(2)	(2)

¹Reported in Pennsylvania.

²Information not available or frequencies are too small.

³Deduction: West Virginia, week ended July 17, 16 cases.

⁴Addition: West Virginia, week ended July 17, 16 cases.

⁵Addition: Indiana, week ended July 10, 2 cases.

⁶Deduction: Georgia, week ended July 17, 2 cases.

⁷California, Delaware, and Ohio, 1 case each.

⁸Deduction: North Carolina, week ended June 26, 1 case.

⁹Addition: North Carolina, week ended July 17, 1 case. Deduction: Georgia, week ended July 10, 2 cases.

¹⁰Addition: West Virginia, week ended July 17, 25 cases.

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 JULY 25, 1953, AND JULY 24, 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-----	34	41	30	30	40	33	688	567	9	33	23	57
NEW ENGLAND-----	-	2	-	-	-	1	61	53	-	4	1	1
Maine-----	-	-	-	-	-	-	19	12	-	2	-	-
New Hampshire-----	-	-	-	-	-	-	-	10	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	2	-	-	-	-
Massachusetts-----	-	1	-	-	-	1	25	24	-	-	1	1
Rhode Island-----	-	-	-	-	-	-	9	1	-	-	-	-
Connecticut-----	-	1	-	-	-	-	8	4	-	2	-	-
MIDDLE ATLANTIC-----	2	-	2	2	8	20	174	86	-	5	1	3
New York-----	-	-	1	-	7	19	122	67	-	-	1	3
New Jersey-----	-	-	-	-	1	1	12	2	-	2	-	-
Pennsylvania-----	2	-	1	2	-	-	40	17	-	3	-	-
EAST NORTH CENTRAL-----	8	8	-	1	4	3	65	69	-	1	1	1
Ohio-----	-	-	-	-	-	-	19	3	-	1	-	-
Indiana-----	-	1	-	1	-	-	7	11	-	-	-	-
Illinois-----	4	2	-	-	2	-	21	32	-	-	-	1
Michigan-----	2	2	-	-	2	3	11	15	-	-	1	-
Wisconsin-----	2	3	-	-	-	-	7	8	-	-	-	-
WEST NORTH CENTRAL-----	11	15	5	1	2	2	128	102	-	-	-	4
Minnesota-----	2	1	1	-	-	-	51	3	-	-	-	-
Iowa-----	4	11	-	-	-	-	59	39	-	-	-	-
Missouri-----	2	-	1	-	-	-	7	12	-	-	-	4
North Dakota-----	-	1	-	-	-	1	3	4	-	-	-	-
South Dakota-----	1	1	-	-	-	1	2	17	-	-	-	-
Nebraska-----	-	-	2	-	1	-	1	23	-	-	-	-
Kansas-----	2	1	1	1	1	-	5	4	-	-	-	-
SOUTH ATLANTIC-----	4	4	12	10	7	2	63	109	-	-	17	8
Delaware-----	-	-	-	-	-	-	3	1	-	-	-	-
Maryland-----	-	-	-	-	-	-	2	5	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	2	1	-	-	2	-	41	57	-	-	-	5
West Virginia-----	-	-	1	1	-	-	4	17	-	-	-	-
North Carolina-----	-	1	2	3	2	-	10	15	-	-	-	-
South Carolina-----	-	-	6	-	-	1	1	3	-	-	-	2
Georgia-----	2	2	-	3	3	1	-	4	-	-	15	1
Florida-----	-	-	3	3	-	-	2	7	-	-	2	-
EAST SOUTH CENTRAL-----	-	6	8	4	6	3	43	40	1	-	1	11
Kentucky-----	-	-	-	1	-	-	9	6	-	-	1	5
Tennessee-----	-	2	-	-	5	2	11	3	-	-	-	6
Alabama-----	-	1	5	3	-	1	4	19	1	-	-	-
Mississippi-----	-	3	3	-	1	-	19	12	-	-	-	-
WEST SOUTH CENTRAL-----	7	5	1	6	1	-	52	37	8	20	-	1
Arkansas-----	4	3	-	-	-	-	2	5	1	-	-	-
Louisiana-----	1	-	-	-	-	-	10	-	-	-	-	1
Oklahoma-----	-	1	-	1	1	-	2	5	1	-	-	-
Texas-----	2	1	1	5	-	-	38	27	6	20	-	-
MOUNTAIN-----	-	1	1	2	2	-	20	18	-	-	-	-
Montana-----	-	-	-	1	-	2	-	-	-	-	-	-
Idaho-----	-	-	-	-	-	1	9	-	-	-	-	-
Wyoming-----	-	-	1	-	-	-	1	1	-	-	-	-
Colorado-----	-	-	-	-	-	1	7	1	-	-	-	-
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	-	-	-	-	1	-	3	6	-	-	-	-
Utah-----	-	1	-	1	1	-	-	10	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	2	-	1	4	10	-	82	73	-	3	2	28
Washington-----	-	-	1	2	-	-	11	7	-	-	-	-
Oregon-----	1	-	-	1	-	-	40	23	-	1	-	-
California-----	1	-	-	1	10	-	31	43	-	2	2	28
Alaska-----	-	-	-	-	-	-	3	1	-	-	-	-
Hawaii-----	-	-	-	-	-	-	1	-	-	-	-	3
Puerto Rico-----	-	-	-	3	-	-	1	-	-	-	-	-

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 JULY 25, 1953, AND JULY 24, 1954—Continued

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

AREA	MEASLES		MENINGO-COCCAL INFECTIONS		POLIOMYELITIS (080)						ROCKY MOUNTAIN SPOTTED FEVER	
	(085)		(057)		Total ²		Paralytic (080.0,080.1)		Nonparalytic (080.2)		(104A)	
	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953
CONT. UNITED STATES-----	6,757	3,534	44	49	1,171	1,348	435	394	401	466	9	16
NEW ENGLAND-----	677	58	2	1	44	63	13	23	18	24	-	-
Maine-----	52	11	-	-	3	17	1	10	2	7	-	-
New Hampshire-----	13	1	-	-	4	4	-	-	-	-	-	-
Vermont-----	33	5	-	-	2	-	-	-	2	-	-	-
Massachusetts-----	429	23	2	1	12	22	5	10	7	7	-	-
Rhode Island-----	37	-	-	-	2	5	-	2	1	3	-	-
Connecticut-----	113	18	-	-	21	15	7	1	6	7	-	-
MIDDLE ATLANTIC-----	2,115	297	10	5	80	135	14	34	30	36	2	3
New York-----	1,132	191	6	2	52	81	9	16	19	26	1	3
New Jersey-----	628	39	2	1	17	28	5	18	11	10	-	-
Pennsylvania-----	355	67	2	2	11	26	-	-	-	-	1	-
EAST NORTH CENTRAL-----	1,755	847	11	11	181	277	71	54	60	66	-	1
Ohio-----	901	91	1	2	37	88	12	17	7	19	-	-
Indiana-----	27	40	2	-	18	13	4	-	8	-	-	1
Illinois-----	183	141	2	3	57	76	27	22	17	13	-	-
Michigan-----	306	348	5	6	63	84	28	15	26	34	-	-
Wisconsin-----	338	227	1	-	6	16	-	-	2	-	-	-
WEST NORTH CENTRAL-----	158	150	5	4	178	187	51	64	59	64	-	-
Minnesota-----	36	12	1	2	15	78	1	34	6	29	-	-
Iowa-----	85	109	-	-	57	25	15	5	26	14	-	-
Missouri-----	5	9	-	-	21	39	8	15	4	8	-	-
North Dakota-----	11	7	1	-	4	4	-	2	-	2	-	-
South Dakota-----	4	1	-	-	3	9	1	-	-	9	-	-
Nebraska-----	2	6	1	1	39	10	17	8	19	2	-	-
Kansas-----	15	6	2	1	39	22	9	-	4	-	-	-
SOUTH ATLANTIC-----	341	200	5	12	152	250	55	76	54	112	4	10
Delaware-----	11	9	-	1	2	3	-	-	2	-	-	-
Maryland-----	33	19	-	-	3	22	1	9	2	13	-	2
District of Columbia-----	5	4	-	-	-	2	-	-	-	1	-	-
Virginia-----	128	75	-	3	16	51	6	20	10	23	2	5
West Virginia-----	22	19	-	-	6	26	4	9	1	12	-	-
North Carolina-----	48	32	2	3	25	86	10	23	11	43	-	3
South Carolina-----	15	14	2	3	18	12	10	4	7	2	1	-
Georgia-----	27	13	1	-	25	28	6	6	5	7	1	-
Florida-----	52	15	-	2	57	20	18	7	16	11	-	-
EAST SOUTH CENTRAL-----	126	53	2	6	94	102	29	30	18	22	3	1
Kentucky-----	9	10	-	1	24	17	14	3	7	4	2	-
Tennessee-----	77	8	2	4	25	51	3	11	3	14	-	1
Alabama-----	27	19	-	1	22	20	4	16	2	4	1	-
Mississippi-----	13	16	-	-	23	14	8	-	6	-	-	-
WEST SOUTH CENTRAL-----	508	492	7	4	212	168	88	50	83	77	-	1
Arkansas-----	8	15	2	2	25	12	14	9	11	3	-	-
Louisiana-----	6	3	4	-	40	31	20	9	20	22	-	-
Oklahoma-----	47	13	1	-	29	39	4	11	5	11	-	1
Texas-----	447	461	-	2	118	86	50	21	47	41	-	-
MOUNTAIN-----	222	242	-	2	59	49	13	12	12	17	-	-
Montana-----	82	5	-	-	6	5	1	2	3	3	-	-
Idaho-----	3	35	-	-	4	1	-	-	-	-	-	-
Wyoming-----	12	14	-	-	6	5	1	1	-	1	-	-
Colorado-----	16	84	-	2	14	9	7	2	7	6	-	-
New Mexico-----	20	27	-	-	4	1	1	-	-	-	-	-
Arizona-----	54	15	-	-	11	22	3	7	2	6	-	-
Utah-----	35	24	-	-	5	5	-	-	-	-	-	-
Nevada-----	-	38	-	-	9	1	-	-	-	1	-	-
PACIFIC-----	855	1,195	2	4	171	117	101	49	67	48	-	-
Washington-----	82	182	1	-	7	17	4	-	1	-	-	-
Oregon-----	76	91	-	-	11	5	7	3	4	-	-	-
California-----	697	922	1	4	153	95	90	46	62	48	-	-
Alaska-----	7	29	-	-	13	9	4	5	5	4	-	-
Hawaii-----	9	2	-	-	6	1	3	-	3	1	-	-
Puerto Rico-----	91	55	-	1	-	3	-	3	-	-	-	-

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

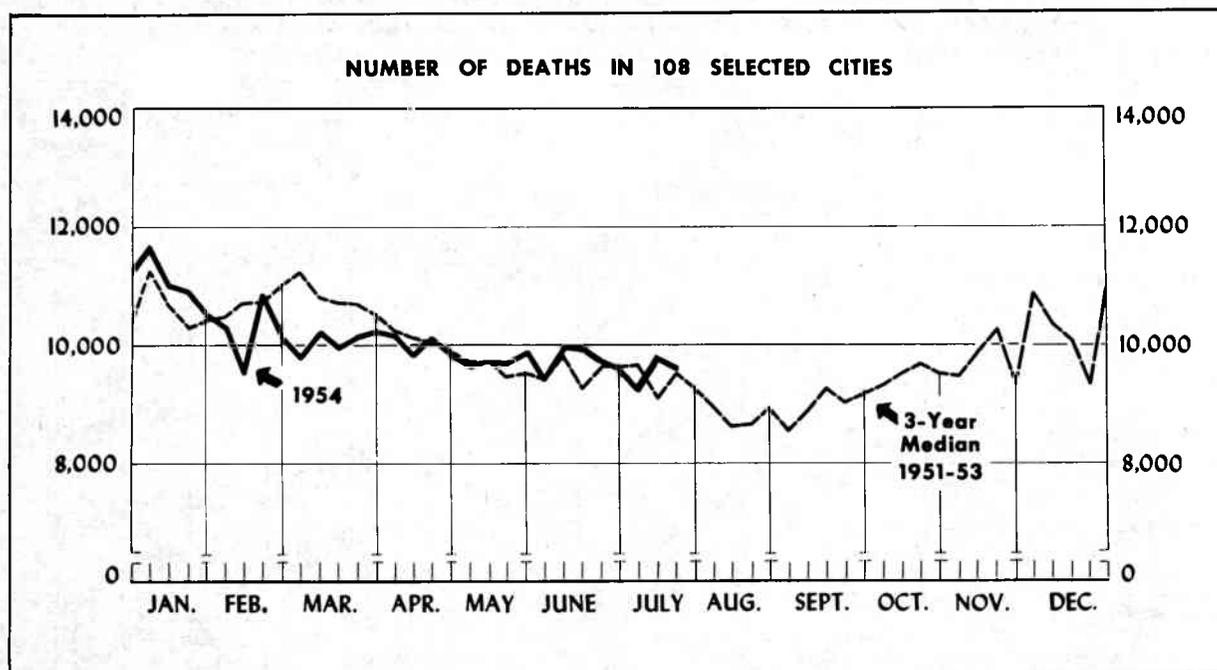
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JULY 25, 1953, AND JULY 24, 1954—Continued

(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
CONT. UNITED STATES-----	1,277	1,209	6	16	15	55	73	5	1,272	798	112	128
NEW ENGLAND-----	30	25	-	-	-	-	3	-	104	48	-	-
Maine-----	6	1	-	-	-	-	-	-	1	4	-	-
New Hampshire-----	-	1	-	-	-	-	-	-	4	1	-	-
Vermont-----	3	1	-	-	-	-	-	-	1	-	-	-
Massachusetts-----	11	12	-	-	-	-	1	-	52	39	-	-
Rhode Island-----	2	2	-	-	-	-	-	-	18	-	-	-
Connecticut-----	8	8	-	-	-	-	2	-	28	4	-	-
MIDDLE ATLANTIC-----	74	64	3	-	-	4	4	-	219	232	15	13
New York-----	43	36	2	-	-	1	1	-	115	150	15	13
New Jersey-----	15	18	1	-	-	-	1	-	36	28	-	-
Pennsylvania-----	16	10	-	-	-	3	2	-	68	54	-	-
EAST NORTH CENTRAL-----	72	109	1	1	-	6	4	-	253	168	12	19
Ohio-----	18	17	-	-	-	4	1	-	42	26	1	-
Indiana-----	25	9	-	-	-	-	1	-	21	26	9	9
Illinois-----	10	25	1	1	-	2	2	-	38	19	1	6
Michigan-----	16	34	-	-	-	-	-	-	140	64	-	1
Wisconsin-----	3	24	-	-	-	-	-	-	12	33	1	3
WEST NORTH CENTRAL-----	31	35	-	1	-	4	5	-	70	22	15	15
Minnesota-----	20	9	-	-	-	-	-	-	14	1	5	2
Iowa-----	1	2	-	-	-	-	-	-	15	7	5	7
Missouri-----	6	9	-	1	-	4	5	-	20	4	3	3
North Dakota-----	-	8	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	4	-	-	-	-	-	-	3	2	-	-
Nebraska-----	2	1	-	-	-	-	-	-	-	1	2	3
Kansas-----	2	2	-	-	-	-	-	-	18	7	-	-
SOUTH ATLANTIC-----	85	157	-	3	6	9	21	3	135	60	21	26
Delaware-----	-	-	-	-	-	-	-	-	2	-	-	-
Maryland-----	2	4	-	-	1	3	1	-	37	9	-	-
District of Columbia-----	2	2	-	-	-	1	-	-	-	2	-	-
Virginia-----	39	130	-	2	2	-	2	-	33	13	5	9
West Virginia-----	6	5	-	-	-	1	2	-	17	9	7	3
North Carolina-----	10	6	-	1	-	3	5	-	13	14	1	1
South Carolina-----	4	-	-	-	-	1	4	-	8	4	2	2
Georgia-----	18	2	-	-	2	-	6	3	12	3	1	8
Florida-----	4	8	-	1	-	-	1	-	13	6	5	3
EAST SOUTH CENTRAL-----	16	20	-	1	1	13	7	1	86	28	20	32
Kentucky-----	-	3	-	-	-	8	3	-	55	8	-	6
Tennessee-----	10	6	-	-	-	2	1	-	22	13	7	6
Alabama-----	4	6	-	-	-	-	-	1	7	5	10	17
Mississippi-----	2	5	-	1	1	3	3	-	2	2	3	3
WEST SOUTH CENTRAL-----	625	584	-	5	7	16	18	1	162	134	25	20
Arkansas-----	45	14	-	1	4	3	1	-	11	8	4	4
Louisiana-----	3	-	-	3	-	8	-	-	2	2	-	-
Oklahoma-----	15	5	-	-	1	4	2	-	2	9	2	-
Texas-----	562	565	-	1	2	1	15	1	147	115	19	16
MOUNTAIN-----	260	59	-	3	1	1	7	-	66	23	-	-
Montana-----	-	1	-	-	-	-	-	-	9	10	-	-
Idaho-----	3	4	-	-	-	-	-	-	4	1	-	-
Wyoming-----	3	1	-	1	-	-	3	-	-	-	-	-
Colorado-----	41	23	-	-	-	-	3	-	6	1	-	-
New Mexico-----	13	6	-	-	1	-	-	-	6	8	-	-
Arizona-----	186	7	-	-	-	1	-	-	7	2	-	-
Utah-----	14	14	-	2	-	-	-	-	34	1	-	-
Nevada-----	-	3	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	84	156	2	2	-	2	4	-	177	83	4	3
Washington-----	6	9	-	-	-	-	-	-	10	43	-	-
Oregon-----	18	11	-	-	-	-	1	-	22	17	-	-
California-----	60	136	2	2	-	2	3	-	145	23	4	3
Alaska-----	2	4	-	-	-	-	-	-	-	-	-	-
Hawaii-----	1	1	-	-	-	-	-	-	1	1	-	-
Puerto Rico-----	-	-	-	-	-	2	5	-	20	16	1	2



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	29th week ended July 24, 1954	28th week ended July 17, 1954	29th week median 1951-53	Percent change, median to current week	CUMULATIVE NUMBER FOR FIRST 29 WEEKS		
					1954	1953	Percent change
TOTAL: 108 REPORTING CITIES-----	9,328	9,455	9,237	+1.0	283 150	293 247	-3.4
New England----- (14 cities)	548	600	640	-14.4	19,299	19,899	-3.0
Middle Atlantic----- (17 cities)	2,550	2,644	2,813	-12.5	85,279	89,453	-4.7
East North Central----- (17 cities)	1,936	1,903	1,930	+0.3	59,798	61,645	-3.0
West North Central----- (7 cities)	817	787	503	+62.4	17,758	18,186	-2.4
South Atlantic----- (9 cities)	748	664	740	+1.1	22,168	23,275	-4.8
East South Central----- (8 cities)	478	486	449	+6.5	13,441	13,952	-3.7
West South Central----- (13 cities)	912	834	697	+30.8	22,584	23,060	-2.1
Mountain----- (8 cities)	232	243	228	+1.8	6,723	7,273	-7.6
Pacific----- (12 cities)	1,107	1,294	1,061	+4.3	36,100	36 504	-1.1

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Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED JULY 24, 1954

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

CITY	29th week ended July 24, 1954	28th week ended July 17, 1954	CUMULATIVE NUMBER FOR FIRST 29 WEEKS		CITY	29th week ended July 24, 1954	28th week ended July 17, 1954	CUMULATIVE NUMBER FOR FIRST 29 WEEKS	
			1954	1953				1954	1953
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston-----	169	200	6,441	6,668	St. Louis-----	333	263	6,888	7,289
Bridgeport-----	29	43	1,030	1,004	St. Paul-----	60	71	1,904	1,852
Cambridge-----	19	23	824	830	Wichita-----	91	75	1,287	1,209
Fall River-----	20	22	825	841	SOUTH ATLANTIC				
Hartford-----	46	44	1,327	1,356	Atlanta-----	109	105	3,054	3,114
Lowell-----	19	20	803	752	Baltimore-----	208	204	6,337	6,766
Lynn-----	25	23	645	646	Charlotte-----	25	15	871	829
New Bedford-----	20	20	657	680	Jacksonville-----	(61)	(33)	(1,442)	---
New Haven-----	33	29	1,274	1,296	Miami-----	46	51	1,860	1,845
Providence-----	54	59	1,737	1,784	Norfolk-----	32	25	866	946
Somerville-----	13	9	411	458	Richmond-----	81	62	1,852	1,924
Springfield, Mass.-----	39	39	1,153	1,153	Savannah-----	(23)	(21)	(816)	---
Waterbury-----	30	19	721	768	Tampa-----	43	36	1,569	1,612
Worcester-----	32	50	1,447	1,663	Washington, D. C.-----	160	138	4,811	5,266
MIDDLE ATLANTIC					EAST SOUTH CENTRAL				
Albany-----	47	49	1,313	1,320	Birmingham-----	70	65	2,198	2,140
Allentown-----	(40)	(21)	(968)	---	Chattanooga-----	52	37	1,278	1,378
Buffalo-----	122	78	4,031	4,250	Knoxville-----	40	38	994	971
Camden-----	36	39	1,077	1,070	Louisville-----	97	103	3,092	3,116
Elizabeth-----	39	26	796	802	Memphis-----	114	136	2,800	3,072
Erie-----	41	30	1,013	1,018	Mobile-----	28	34	901	919
Jersey City-----	60	58	2,036	2,070	Montgomery-----	25	29	743	810
Newark, N. J.-----	72	115	2,859	3,109	Nashville-----	52	44	1,435	1,546
New York City-----	1,329	1,379	44,801	47,067	WEST SOUTH CENTRAL				
Paterson-----	40	29	1,119	1,155	Austin-----	34	22	739	745
Philadelphia-----	384	430	13,560	14,269	Baton Rouge-----	13	16	632	418
Pittsburgh-----	148	162	4,721	5,089	Corpus Christi-----	13	17	481	520
Reading-----	(23)	(21)	(604)	---	Dallas-----	131	100	2,900	2,830
Rochester, N. Y.-----	69	82	2,672	2,830	El Paso-----	29	22	800	838
Schenectady-----	20	24	696	697	Fort Worth-----	75	68	1,587	1,739
Scranton-----	(42)	(23)	(1,000)	---	Houston-----	123	123	3,557	3,652
Syracuse-----	50	48	1,595	1,559	Little Rock-----	50	56	1,228	1,279
Trenton-----	36	39	1,313	1,440	New Orleans-----	150	143	4,323	4,680
Utica-----	31	31	886	924	Oklahoma City-----	111	77	1,741	1,631
Yonkers-----	26	25	791	784	San Antonio-----	66	73	2,222	2,417
EAST NORTH CENTRAL					MOUNTAIN				
Akron-----	59	51	1,631	1,697	Albuquerque-----	26	33	770	785
Canton-----	20	36	841	808	Colorado Springs-----	9	11	349	401
Chicago-----	661	641	21,253	21,996	Denver-----	91	106	2,996	3,204
Cincinnati-----	---	(137)	---	(4,317)	Ogden-----	22	7	304	362
Cleveland-----	182	200	5,879	6,047	Phoenix-----	23	21	626	689
Columbus-----	87	98	2,968	3,069	Pueblo-----	14	20	388	403
Dayton-----	61	74	1,849	1,839	Salt Lake City-----	44	41	1,178	1,278
Detroit-----	341	291	9,094	9,302	Tucson-----	3	4	112	151
Evansville-----	27	27	983	980	PACIFIC				
Flint-----	39	30	1,102	1,088	Berkeley-----	21	24	514	488
Fort Wayne-----	24	21	748	874	Long Beach-----	37	52	1,415	1,388
Gary-----	(20)	(16)	(713)	---	Los Angeles-----	414	480	12,856	13,148
Grand Rapids-----	22	32	1,129	1,152	Oakland-----	84	99	2,717	2,819
Indianapolis-----	113	103	3,275	3,302	Pasadena-----	42	24	982	1,012
Milwaukee-----	120	110	3,577	3,621	Portland, Oreg.-----	66	117	2,895	2,977
Peoria-----	22	30	879	922	Sacramento-----	30	46	1,367	1,375
South Bend-----	27	21	681	701	San Diego-----	57	70	2,115	2,094
Toledo-----	85	100	2,592	2,675	San Francisco-----	190	163	5,367	5,611
Youngstown-----	46	38	1,407	1,572	Seattle-----	97	151	3,570	3,385
WEST NORTH CENTRAL					HONOLULU				
Des Moines-----	48	58	1,458	1,459	Honolulu-----	(30)	(29)	(976)	(922)
Duluth-----	22	36	779	788					
Kansas City, Kans.-----	---	(83)	---	(1,005)					
Kansas City, Mo.-----	200	204	3,632	3,660					
Minneapolis-----	---	(117)	---	(3,801)					
Omaha-----	63	80	1,810	1,929					

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

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