

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 March 27, 1954

The incidence of measles continues to increase. Although the incidence this year is lower than that for 1952, the rate of increase during the first 12 weeks has exceeded that for the corresponding periods of 1952 and 1953. For the current week, a total of 29,969 cases was reported as compared with 17,333 and 32,793, respectively, for the corresponding weeks of 1952 and 1953. More than 2,000 cases were reported this week from Texas (5,322), New York State (3,466), California (2,210), and Kentucky (2,699). The cumulative total for the country as a whole for 1954 is now 196,481. The corresponding figures for 1952 and 1953 were 116,319 and 286,744, respectively.

In addition to measles, the incidence of scarlet fever and streptococcal sore throat and whooping cough has been higher for this year than for last year. The cumulative total (54,469) for scarlet fever and streptococcal sore throat exceeds corresponding figures of the past several years. For whooping cough, the cumulative total is 12,884 as compared with 7,552 for 1953. For 1952, the cumulative total for this disease was 14,147.

EPIDEMIOLOGICAL REPORTS

Diphtheria

Dr. M. D. Keller, Ohio Department of Health, gives information on the outbreak of diphtheria in a single county of the State. Since the first of the year, 23 cases have been reported. Mass culturing throughout the area disclosed 28 other persons harboring virulent diphtheria organisms in their throats, but having no symptoms. The cases have generally been mild with no deaths.

Psittacosis

Dr. Stanley Osborne, Connecticut Commissioner of Health, has supplied information on 4 cases of psittacosis. One case, a 34-year-old woman, had backache and fever, and was reactive 1:20 to the complement fixation test. A parakeet which she had purchased from a store died about 2 weeks after the patient became ill, but was not submitted for laboratory examination. The second case, an adult male, was ill late in February and the diagnosis was confirmed by laboratory examination. A parakeet, which the patient had purchased from a store, was sent to a laboratory and psittacosis virus was isolated. The third case, a 47-year-old woman, had "virus pneumonia" and laboratory examination showed a positive complement fixation 1:64. A bird which the patient had purchased was killed and buried before the case was reported. In the fourth case, the patient complained of cough and fever. The complement fixation test was positive 1:20. A parakeet purchased by the patient was sick and was killed and buried before the case was reported. The birds involved in the above 4 cases were purchased from 3 different stores, all of which were supplied by a single source in New York City. Other human cases of psittacosis have been traced to birds purchased from this same source.

The Los Angeles County Health Department reports a case of psittacosis in a 63-year-old man who kept 56 parakeets as a hobby. The patient became ill with fever and had a cough (productive and slightly stained). An X-ray examination showed atypical virus pneumonia. The complement fixation titer on a blood specimen taken about 2 weeks after onset was positive for psittacosis in a dilution of 1:256. Two months later the titer was

1:512. The birds were purchased in California during the past 8 months, and only 1 has been sick. This bird died of diarrhea about 6 months ago. No other persons in contact with these birds have become ill.

Rabies in animals

Dr. G. R. Clark, New Mexico Department of Public Health, states that a town of 19,000 population experienced a rather sharp outbreak of rabies in animals. During a 4-week period, 22 cases were reported in 20 dogs, 1 cat, and 1 horse. Of these, Negri bodies were found in brain tissue smears from 14 dogs and the cat. There was considerable hysteria, and some 75 persons were given antirabies vaccinations. One of these persons suffered a post-vaccinal reaction with a resultant facial paralysis. The sharp peaking of cases during a short period indicates a common source. However, it is possible that this was part of a generalized epizootic in eastern New Mexico and Texas, since 1 of the dogs was captured in Texas and 3 additional cases were reported many miles from this area. There is no indication that wild animals or bats were involved.

Influenza-like disease

Dr. W. R. Giedt, Washington State Department of Health, gives additional information on the influenza-like illness in the State which has been reported in the Communicable Disease Summary for the past 2 weeks. No virus was isolated from 7 specimens of throat washings collected from cases of the disease outbreak in Seattle schools.

Infectious hepatitis

Dr. I. J. Tartakow, County Health Officer in New York State, reports an outbreak of infectious hepatitis among nurses and laboratory staff in a hospital. These persons were exposed to patients with the disease during their routine activities. Five cases developed and gamma globulin was given to other members of the staff. One case occurred after the inoculations were given but the victim had not received the prophylaxis.

Gastro-enteritis

Dr. A. L. Marshall, Indiana State Board of Health, reports 3 cases of enteric diseases in different areas of the State. In all three instances, water was suspected as the vehicle of infection. Coliform organisms were found in a sample of water associated with one of the cases, and *S. typhosa* was isolated from stool specimens of the patient. Further studies are needed in connection with the other cases. In addition, a routine survey of food handlers proved that a person at an institution was a carrier of *S. cambridge*.

Dr. Malcolm Merrill, California Department of Public Health, has reported the occurrence of food poisoning in 3 members of a family of 7 following the ingestion of fresh mustard greens. These patients became ill 4 hours after eating this article of food, with headache, diplopia, weakness, prostration, numbness about the face, ataxia, incoordination and muscle spasm. One patient had abdominal cramps and diarrhea on the second day. The mustard greens had been purchased locally, washed thoroughly in salt water, and cooked in salted water. The available supply of this food has been impounded and an investigation is under way.

Blastomycosis

Dr. Mason Romaine, Virginia Department of Health, gives epidemiological information on a case of blastomycosis. The patient became ill about the first of January 1954 with a painful swollen left foot. Two weeks later he was seen by a physician, admitted to a hospital, and treated with penicillin and streptomycin. A fluctuant area developed over the first metacarpal which was incised and drained. The patient, apparently asymptomatic, was discharged on February 3. However, symptoms reappeared, and at this time the foot and leg were swollen to the knee. The abscess on dorsum of the left foot was draining. There were multiple palpable nodules on the forearms and face, thought to be lymph nodes. Smears from ulcerated lesions for culture showed an organism resembling *Blastomyces dermatitidis*. The patient has lived in Virginia all of his life and the source of the infection was not apparent. He died following a reaction from an operation. No other member of the family has the disease.

Typhoid fever

Dr. N. H. Dyer, West Virginia Department of Health, reports an outbreak of typhoid fever in a small coal mining community. A total of 5 active cases was reported and positive stools were obtained from 4 additional persons. The approved water supply for the community is derived from a drilled well with chlorination as an added safeguard. An unapproved supply, consisting of pumped drainage from a worked out section of a mine, was being used as a supplementary source of supply, and this water was being introduced into the line at one end of the system. All the cases of typhoid occurred in the area receiving the untreated mine drainage. Drainage from an abandoned portion of a mine often provides an excellent source of water supply, and chlorination has been provided to this source and the supply continued in use. An effort was made by using the membrane filter technique to isolate the typhoid organism directly from the drainage, but none was recovered.

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	12th week			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Mar. 27, 1954	Ended Mar. 28, 1953	Median 1949-53	First 12 weeks			Since seasonal low week			
				1954	1953	Median 1949-53	1953-54	1952-53	Median 1948-49 to 1952-53	
Anthrax-----062	-	1	1	5	11	11	(¹)	(¹)	(¹)	(¹)
Botulism-----049.1	-	-	---	6	4	---	(¹)	(¹)	(¹)	(¹)
Brucellosis (undulant fever)-----044	25	24	---	324	322	---	(¹)	(¹)	(¹)	(¹)
Diphtheria-----055	34	40	90	495	562	1,098	1,860	2,223	4,124	July 1
Encephalitis, infectious-----082	26	31	22	231	214	171	(¹)	(¹)	(¹)	(¹)
Hepatitis, infectious, and serum-----092,N998.5 pt.	2,118	569	---	16,455	7,537	---	(¹)	(¹)	(¹)	(¹)
Malaria-----110-117	6	7	---	80	104	---	(¹)	(¹)	(¹)	(¹)
Measles-----085	29,969	17,333	17,575	196,481	116,319	156,945	232,573	147,753	186,335	Sept. 1
Meningococcal infections-----057	116	132	116	1,359	1,773	1,307	2,681	3,048	2,386	Sept. 1
Polioyelitis-----080	68	70	62	² 1,476	1,514	1,193	² 35,930	57,809	33,410	Apr. 1
Psittacosis-----096.2	³ 7	1	---	⁴ 44	3	---	(¹)	(¹)	(¹)	(¹)
Rabies in man-----094	-	-	-	1	-	1	(¹)	(¹)	(¹)	(¹)
Rocky Mountain spotted fever-----104A	-	1	-	6	5	7	(¹)	(¹)	(¹)	(¹)
Scarlet fever and streptococcal sore throat-----050,051	5,318	4,454	2,933	54,469	51,103	34,189	89,103	87,691	56,856	Aug. 1
Smallpox-----084	-	-	-	-	2	5	(¹)	(¹)	(¹)	(¹)
Trichiniasis-----128	5	20	---	73	68	---	(¹)	(¹)	(¹)	(¹)
Tularemia-----059	12	9	17	161	126	182	(¹)	(¹)	(¹)	(¹)
Typhoid fever-----040	27	32	32	381	284	381	2,395	2,296	2,470	Apr. 1
Typhus fever, endemic-----101	⁵ 11	6	---	34	38	---	224	194	---	Apr. 1
Whooping cough-----056	1,243	665	989	⁶ 12,884	7,552	14,147	⁶ 22,641	15,409	28,411	Oct. 1
Rabies in animals-----	171	158	---	2,139	2,086	---	(¹)	(¹)	(¹)	(¹)

¹Information not available or frequencies are too small.

²Deductions: Arkansas, week ended February 27, 1 case; Indiana, week ended March 20, 1 case.

³Connecticut, 3 cases; New York, 2 cases; Texas and Washington, 1 case each.

⁴Deduction: Washington, week ended February 13, 1 case.

⁵Seven cases from Montana reported to be laboratory infections.

⁶Addition: Kansas, week ended March 20, 11 cases. Deduction: North Carolina, week ended February 6, 2 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 MARCH 28, 1953, AND MARCH 27, 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-----	25	24	34	40	26	31	2,118	569	5	4	1	3
NEW ENGLAND-----	1	-	-	-	1	4	571	48	-	-	-	-
Maine-----	-	-	-	-	-	-	6	18	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	2	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	529	3	-	-	-	-
Massachusetts-----	-	-	-	-	1	3	28	13	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	3	-	-	-	-	-
Connecticut-----	1	-	-	-	-	1	3	14	-	-	-	-
MIDDLE ATLANTIC-----	-	1	1	5	7	17	247	102	-	-	-	-
New York-----	-	-	-	-	7	16	141	62	-	-	-	-
New Jersey-----	-	-	1	-	-	1	15	-	-	-	-	-
Pennsylvania-----	-	1	1	4	-	-	91	40	-	-	-	-
EAST NORTH CENTRAL-----	7	4	3	8	1	-	269	64	-	-	-	-
Ohio-----	-	-	1	4	-	-	28	14	-	-	-	-
Indiana-----	2	-	-	1	-	-	45	27	-	-	-	-
Illinois-----	2	3	-	-	1	-	149	3	-	-	-	-
Michigan-----	1	-	2	3	-	-	40	13	-	-	-	-
Wisconsin-----	2	1	-	-	-	-	7	7	-	-	-	-
WEST NORTH CENTRAL-----	10	11	-	3	1	2	325	54	-	-	-	-
Minnesota-----	8	2	-	-	-	-	67	1	-	-	-	-
Iowa-----	2	3	-	-	-	-	183	37	-	-	-	-
Missouri-----	-	4	-	2	-	-	11	6	-	-	-	-
North Dakota-----	-	-	-	-	-	-	6	9	-	-	-	-
South Dakota-----	-	1	-	-	-	2	25	-	-	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	-	-	-	-
Kansas-----	-	1	-	1	1	-	33	1	-	-	-	-
SOUTH ATLANTIC-----	3	-	8	5	-	2	294	131	-	-	-	2
Delaware-----	-	-	-	-	-	-	1	-	-	-	-	-
Maryland-----	-	-	-	-	-	-	44	10	-	-	-	-
District of Columbia-----	-	-	-	-	-	1	2	-	-	-	-	-
Virginia-----	1	-	-	4	-	-	182	33	-	-	-	2
West Virginia-----	1	-	-	-	-	-	29	53	-	-	-	-
North Carolina-----	-	-	2	1	-	-	19	18	-	-	-	-
South Carolina-----	-	-	1	-	-	-	1	-	-	-	-	-
Georgia-----	1	-	3	-	-	-	8	12	-	-	-	-
Florida-----	-	-	2	-	-	1	8	5	-	-	-	-
EAST SOUTH CENTRAL-----	2	1	8	7	6	1	131	70	-	1	-	-
Kentucky-----	1	-	-	1	-	-	53	19	-	-	-	-
Tennessee-----	-	1	3	1	1	1	31	9	-	-	-	-
Alabama-----	-	-	1	2	4	-	8	22	-	-	-	-
Mississippi-----	1	-	4	3	1	-	39	20	-	1	-	-
WEST SOUTH CENTRAL-----	2	4	8	7	6	4	62	42	4	3	-	-
Arkansas-----	1	1	-	1	-	-	7	3	-	-	-	-
Louisiana-----	-	-	3	-	-	-	11	-	-	-	-	-
Oklahoma-----	1	-	1	3	2	-	15	3	-	2	-	-
Texas-----	-	3	4	3	4	4	29	36	4	1	-	-
MOUNTAIN-----	-	1	6	5	-	-	73	14	1	-	-	-
Montana-----	-	-	5	-	-	-	3	2	-	-	-	-
Idaho-----	-	1	-	3	-	-	31	1	1	-	-	-
Wyoming-----	-	-	-	-	-	-	1	-	-	-	-	-
Colorado-----	-	-	-	1	-	-	17	9	-	-	-	-
New Mexico-----	-	-	1	-	-	-	5	-	-	-	-	-
Arizona-----	-	-	1	-	-	-	13	2	-	-	-	-
Utah-----	-	-	-	-	-	-	3	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	-	2	-	-	4	1	146	44	-	-	1	1
Washington-----	-	-	-	-	-	-	25	4	-	-	1	-
Oregon-----	-	-	-	-	-	1	55	24	-	-	-	-
California-----	-	2	-	-	4	-	66	16	-	-	-	1
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	2	-	-	-	-
Puerto Rico-----	-	-	3	9	-	-	-	4	-	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 MARCH 28, 1953, AND MARCH 27, 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-----	29,969	17,333	116	132	68	70	33	23	20	16	-	1
NEW ENGLAND-----	526	227	3	7	-	1	-	1	-	-	-	-
Maine-----	272	6	-	-	-	-	-	-	-	-	-	-
New Hampshire-----	7	-	-	1	-	-	-	-	-	-	-	-
Vermont-----	46	16	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	138	112	2	3	-	-	-	-	-	-	-	-
Rhode Island-----	1	5	-	1	-	-	-	-	-	-	-	-
Connecticut-----	62	88	1	2	-	1	-	1	-	-	-	-
MIDDLE ATLANTIC-----	4,940	818	20	16	-	7	-	-	-	-	-	-
New York-----	3,466	223	11	5	-	5	-	-	-	-	-	-
New Jersey-----	334	126	4	4	-	-	-	-	-	-	-	-
Pennsylvania-----	1,140	469	5	7	-	2	-	-	-	-	-	-
EAST NORTH CENTRAL-----	5,413	5,016	24	31	7	3	4	1	1	1	-	-
Ohio-----	1,000	1,259	9	7	-	-	-	-	-	-	-	-
Indiana-----	1,392	215	4	10	2	-	1	-	-	-	-	-
Illinois-----	1,457	643	8	5	1	-	-	-	-	-	-	-
Michigan-----	1,256	737	-	4	3	3	3	1	-	1	-	-
Wisconsin-----	308	2,162	3	5	1	-	-	-	1	-	-	-
WEST NORTH CENTRAL-----	865	2,282	6	6	4	6	-	2	1	1	-	-
Minnesota-----	21	188	-	3	1	1	-	-	-	-	-	-
Iowa-----	450	618	-	-	-	1	-	-	-	1	-	-
Missouri-----	45	390	1	1	1	3	-	2	-	-	-	-
North Dakota-----	65	46	-	1	-	-	-	-	-	-	-	-
South Dakota-----	28	3	-	-	-	-	-	-	-	-	-	-
Nebraska-----	186	46	1	-	1	-	-	-	1	-	-	-
Kansas-----	70	991	4	1	1	1	-	-	-	-	-	-
SOUTH ATLANTIC-----	4,009	717	18	17	9	5	4	2	3	2	-	-
Delaware-----	88	10	-	-	-	-	-	-	-	-	-	-
Maryland-----	501	32	3	2	-	-	-	-	-	-	-	-
District of Columbia-----	180	10	-	-	-	-	-	-	-	-	-	-
Virginia-----	1,122	217	1	3	3	-	1	-	1	-	-	-
West Virginia-----	352	193	1	-	1	1	1	-	-	1	-	-
North Carolina-----	580	60	3	1	1	1	-	1	1	-	-	-
South Carolina-----	430	117	-	4	-	-	-	-	-	-	-	-
Georgia-----	337	58	8	3	-	1	-	1	-	-	-	-
Florida-----	419	20	2	4	4	2	2	-	1	1	-	-
EAST SOUTH CENTRAL-----	4,183	428	13	28	1	3	1	2	-	-	-	-
Kentucky-----	2,699	241	5	7	-	1	-	1	-	-	-	-
Tennessee-----	822	69	4	4	1	1	1	1	-	-	-	-
Alabama-----	527	84	8	11	-	-	-	-	-	-	-	-
Mississippi-----	135	34	-	6	-	1	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	5,824	4,744	17	11	21	12	11	3	6	5	-	-
Arkansas-----	194	995	3	1	3	1	2	-	-	1	-	-
Louisiana-----	220	59	3	-	2	-	2	-	-	-	-	-
Oklahoma-----	88	121	1	-	4	4	2	1	1	-	-	-
Texas-----	5,322	3,569	10	10	12	7	5	2	5	4	-	-
MOUNTAIN-----	1,075	984	1	3	5	9	1	-	3	-	-	1
Montana-----	87	86	-	2	2	1	1	-	1	-	-	1
Idaho-----	233	33	-	1	-	-	-	-	-	-	-	-
Wyoming-----	24	6	-	-	-	-	-	-	-	-	-	-
Colorado-----	63	424	1	-	-	2	-	-	-	-	-	-
New Mexico-----	136	154	-	-	-	-	-	-	-	-	-	-
Arizona-----	133	138	-	-	3	3	-	2	-	-	-	-
Utah-----	395	137	-	-	-	-	-	-	-	-	-	-
Nevada-----	4	6	-	-	-	3	-	-	-	-	-	-
PACIFIC-----	3,134	2,117	14	13	21	24	12	12	6	7	-	-
Washington-----	801	294	1	2	1	1	-	-	-	-	-	-
Oregon-----	123	287	1	1	2	2	1	2	-	-	-	-
California-----	2,210	1,536	12	10	18	21	11	10	6	7	-	-
Alaska-----	27	1	-	-	3	-	1	-	2	-	-	-
Hawaii-----	7	3	-	1	8	1	4	-	4	-	-	-
Puerto Rico-----	173	37	-	-	-	-	-	-	-	-	-	-

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

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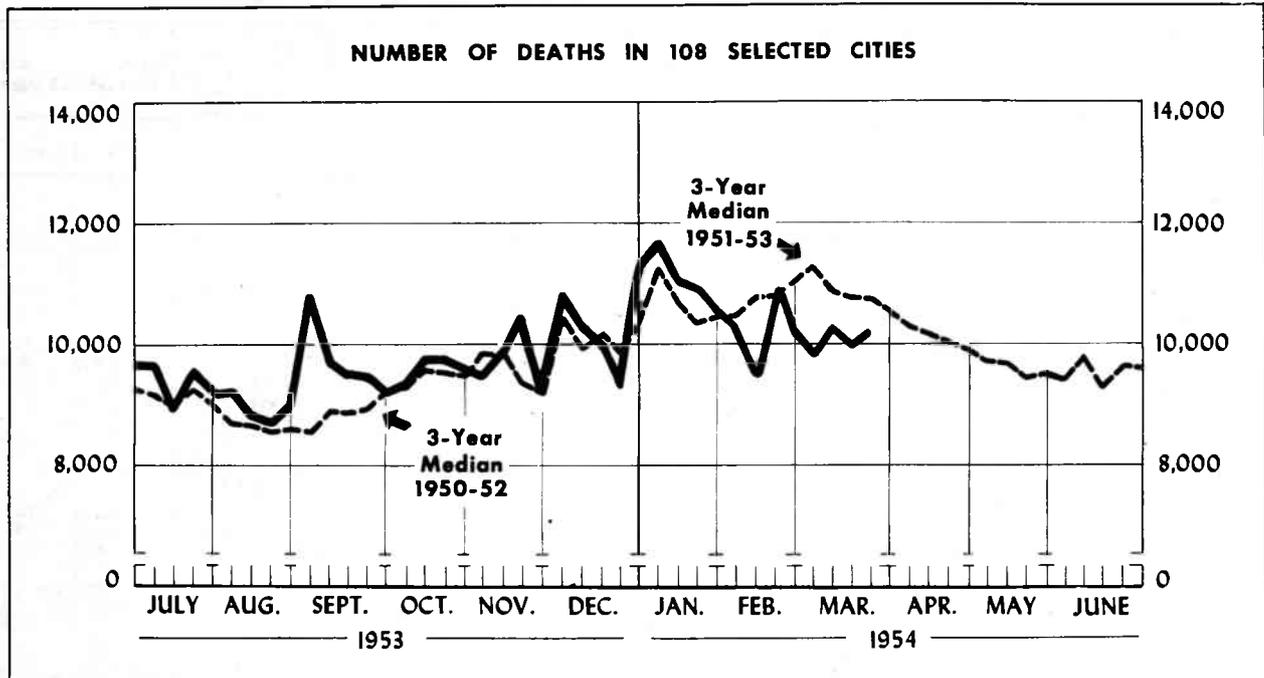
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MARCH 28, 1953, AND MARCH 27, 1954--Continued

(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-----	5,318	4,454	5	12	9	27	32	11	1,243	665	171
NEW ENGLAND-----	390	268	-	-	-	3	8	-	154	79	-	-
Maine-----	100	19	-	-	-	-	-	-	1	29	-	-
New Hampshire-----	8	9	-	-	-	-	-	-	-	-	-	-
Vermont-----	10	10	-	-	-	-	-	-	47	7	-	-
Massachusetts-----	158	111	-	-	-	2	7	-	66	30	-	-
Rhode Island-----	20	28	-	-	-	-	-	-	5	-	-	-
Connecticut-----	94	91	-	-	-	1	1	-	35	13	-	-
MIDDLE ATLANTIC-----	842	913	-	1	-	3	2	1	214	151	8	4
New York-----	514	584	-	1	-	1	1	-	115	72	8	4
New Jersey-----	97	119	-	-	-	-	-	-	25	31	-	-
Pennsylvania-----	231	210	-	-	-	2	1	1	74	48	-	-
EAST NORTH CENTRAL-----	897	792	-	3	3	3	7	-	206	96	16	12
Ohio-----	203	190	-	-	-	1	6	-	35	28	2	3
Indiana-----	117	92	-	1	1	-	-	-	13	5	8	4
Illinois-----	197	152	-	1	1	-	1	-	29	9	2	3
Michigan-----	246	197	-	-	1	1	-	-	85	43	4	-
Wisconsin-----	134	161	-	1	-	1	-	-	44	11	-	2
WEST NORTH CENTRAL-----	334	274	-	1	-	2	1	-	36	15	27	13
Minnesota-----	60	41	-	-	-	1	-	-	11	5	7	4
Iowa-----	186	72	-	-	-	-	1	-	7	1	6	5
Missouri-----	32	57	-	1	-	-	-	-	4	5	11	4
North Dakota-----	10	39	-	-	-	-	-	-	6	-	-	-
South Dakota-----	6	4	-	-	-	-	-	-	1	-	-	-
Nebraska-----	13	26	-	-	-	-	-	-	-	-	3	-
Kansas-----	27	35	-	-	-	1	-	-	7	4	-	-
SOUTH ATLANTIC-----	518	402	-	1	3	1	3	2	75	24	41	26
Delaware-----	2	7	-	-	-	-	-	-	-	-	-	-
Maryland-----	56	139	-	-	-	-	-	-	21	3	-	-
District of Columbia-----	21	7	-	-	-	-	-	-	2	1	-	-
Virginia-----	129	137	-	-	-	1	-	-	20	4	15	10
West Virginia-----	64	44	-	-	-	-	1	-	13	10	7	2
North Carolina-----	131	25	-	-	-	-	-	-	11	-	5	2
South Carolina-----	9	3	-	-	-	-	1	-	3	3	10	5
Georgia-----	80	19	-	1	3	-	-	2	1	-	3	7
Florida-----	26	21	-	-	-	-	1	-	4	3	1	-
EAST SOUTH CENTRAL-----	302	124	-	-	-	7	4	1	96	60	39	49
Kentucky-----	106	47	-	-	-	-	1	-	78	49	10	9
Tennessee-----	170	60	-	-	-	5	1	-	6	9	10	10
Alabama-----	15	5	-	-	-	-	2	1	12	2	12	25
Mississippi-----	11	12	-	-	-	2	-	-	-	-	7	5
WEST SOUTH CENTRAL-----	1,079	715	-	5	1	4	3	-	222	124	37	49
Arkansas-----	70	60	-	-	1	-	2	-	56	14	4	8
Louisiana-----	4	11	-	4	-	3	-	-	1	1	-	-
Oklahoma-----	80	41	-	1	-	-	-	-	6	2	-	-
Texas-----	925	603	-	-	-	1	1	-	159	107	33	41
MOUNTAIN-----	479	224	3	1	2	1	1	7	90	31	2	2
Montana-----	14	46	-	1	-	-	-	7	3	-	-	-
Idaho-----	15	67	-	-	-	1	-	-	6	3	-	-
Wyoming-----	15	7	-	-	2	-	-	-	-	-	-	-
Colorado-----	47	19	-	-	-	-	-	-	2	9	-	-
New Mexico-----	51	12	-	-	-	-	1	-	7	8	-	2
Arizona-----	311	14	3	-	-	-	-	-	56	10	2	-
Utah-----	25	58	-	-	-	-	-	-	14	1	-	-
Nevada-----	1	1	-	-	-	-	-	-	2	-	-	-
PACIFIC-----	477	742	2	-	-	3	3	-	150	85	1	3
Washington-----	112	187	-	-	-	1	-	-	58	5	-	-
Oregon-----	69	40	-	-	-	-	-	-	29	15	-	-
California-----	296	515	2	-	-	2	3	-	63	65	1	3
Alaska-----	-	2	-	-	-	1	-	-	-	-	-	-
Hawaii-----	-	2	-	-	-	-	-	-	-	7	-	-
Puerto Rico-----	-	-	-	-	-	2	-	-	57	26	-	1

Laboratory infections.



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	12th week ended March 27, 1954	11th week ended March 20, 1954	12th week median 1951-53	Percent change, median to current week	CUMULATIVE NUMBER FOR FIRST 12 WEEKS		
					1954	1953	Percent change
TOTAL: 105 REPORTING CITIES-----	9,996	9,786	10,501	-4.8	122,867	133,951	-8.3
New England----- (14 cities)	654	661	732	-10.7	8,433	8,886	-5.1
Middle Atlantic----- (17 cities)	3,091	2,896	3,228	-4.2	37,006	39,968	-7.4
East North Central----- (17 cities)	2,155	2,088	2,103	+2.5	25,729	28,292	-9.1
West North Central----- (9 cities)	711	740	753	-5.6	8,950	10,455	-14.4
South Atlantic----- (8 cities)	768	752	719	+6.8	9,210	10,376	-11.2
East South Central----- (8 cities)	451	454	457	-1.3	5,869	6,375	-7.9
West South Central----- (12 cities)	699	750	695	+0.6	9,271	9,705	-4.5
Mountain----- (8 cities)	232	209	227	+2.2	2,801	3,378	-17.1
Pacific----- (12 cities)	1,235	1,236	1,359	-9.1	15,598	16,516	-5.6

Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED MARCH 27, 1954

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

CITY	12th week ended Mar. 27, 1954	11th week ended Mar. 20, 1954	CUMULATIVE NUMBER FOR FIRST 12 WEEKS		CITY	12th week ended Mar. 27, 1954	11th week ended Mar. 20, 1954	CUMULATIVE NUMBER FOR FIRST 12 WEEKS	
			1954	1953				1954	1953
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston-----	240	231	2,760	3,029	St. Louis-----	219	227	2,823	3,346
Bridgeport-----	27	40	427	417	St. Paul-----	61	63	806	889
Cambridge-----	27	26	352	354	Wichita-----	45	34	502	553
Fall River-----	33	21	358	373	SOUTH ATLANTIC				
Hartford-----	40	44	566	614	Atlanta-----	88	96	1,291	1,390
Lovell-----	21	32	368	344	Baltimore-----	226	211	2,804	3,153
Lynn-----	25	17	286	267	Charlotte-----	30	39	388	374
New Bedford-----	13	18	272	317	Jacksonville-----	(46)	(45)	(609)	---
New Haven-----	35	36	573	592	Miami-----	68	82	773	841
Providence-----	59	61	795	827	Norfolk-----	38	23	375	444
Somerville-----	10	14	162	209	Richmond-----	65	80	805	902
Springfield, Mass.-----	46	51	537	464	Savannah-----	(27)	(31)	(350)	---
Waterbury-----	18	18	309	353	Tampa-----	59	52	725	796
Worcester-----	60	52	648	726	Washington, D. C.-----	194	169	2,049	2,476
MIDDLE ATLANTIC					Wilmington, Del.-----	---	(28)	---	(412)
Albany-----	39	47	564	587	EAST SOUTH CENTRAL				
Allentown-----	(26)	(34)	(432)	---	Birmingham-----	79	76	992	950
Buffalo-----	148	128	1,818	1,790	Chattanooga-----	44	46	590	595
Camden-----	26	40	451	457	Knoxville-----	25	42	431	448
Elizabeth-----	18	21	346	388	Louisville-----	101	93	1,312	1,402
Erie-----	24	32	398	440	Memphis-----	90	74	1,156	1,449
Jersey City-----	71	70	914	899	Mobile-----	33	34	411	415
Newark, N. J.-----	99	108	1,279	1,420	Montgomery-----	22	26	350	392
New York City-----	1,629	1,556	19,471	21,251	Nashville-----	57	63	627	724
Paterson-----	38	41	489	539	WEST SOUTH CENTRAL				
Philadelphia-----	541	431	5,728	6,259	Austin-----	19	19	298	340
Pittsburgh-----	176	163	2,073	2,276	Baton Rouge-----	19	28	301	185
Reading-----	(29)	(21)	(271)	---	Corpus Christi-----	17	14	196	231
Rochester, N. Y.-----	95	96	1,170	1,308	Dallas-----	107	79	1,231	1,238
Schenectady-----	26	17	312	298	El Paso-----	22	26	332	390
Scranton-----	(27)	(49)	(410)	---	Fort Worth-----	42	61	654	775
Syracuse-----	58	37	685	699	Houston-----	130	112	1,615	1,606
Trenton-----	41	44	592	632	Little Rock-----	43	26	505	545
Utica-----	26	37	378	398	New Orleans-----	134	175	1,945	2,064
Yonkers-----	36	28	338	327	Oklahoma City-----	60	62	740	713
EAST NORTH CENTRAL					San Antonio-----	75	102	1,004	1,082
Akron-----	60	58	679	784	Shreveport-----	31	46	450	536
Canton-----	23	27	386	379	Tulsa-----	(33)	---	---	(446)
Chicago-----	762	753	8,799	9,935	MOUNTAIN				
Cincinnati-----	141	134	1,704	2,014	Albuquerque-----	29	22	329	370
Cleveland-----	224	201	2,545	2,723	Colorado Springs-----	11	13	140	174
Columbus-----	100	94	1,296	1,406	Denver-----	98	94	1,226	1,504
Dayton-----	66	72	820	779	Ogden-----	2	7	113	154
Detroit-----	332	311	3,928	4,179	Phoenix-----	23	23	298	313
Evansville-----	39	32	393	445	Pueblo-----	12	10	170	182
Flint-----	28	37	463	459	Salt Lake City-----	52	38	481	608
Fort Wayne-----	31	20	296	412	Tucson-----	5	2	44	73
Gary-----	(26)	(32)	(312)	---	PACIFIC				
Grand Rapids-----	51	39	517	517	Berkeley-----	15	32	237	220
Indianapolis-----	---	(134)	---	(1,502)	Long Beach-----	40	65	591	618
Milwaukee-----	125	111	1,512	1,677	Los Angeles-----	450	452	5,760	5,970
Peoria-----	30	24	398	378	Oakland-----	100	95	1,187	1,295
South Bend-----	25	26	271	295	Pasadena-----	29	32	384	469
Toledo-----	68	100	1,120	1,188	Portland, Oreg.-----	89	106	1,171	1,316
Youngstown-----	50	49	602	722	Sacramento-----	39	38	598	638
WEST NORTH CENTRAL					San Diego-----	67	59	846	944
Des Moines-----	44	48	558	641	San Francisco-----	195	180	2,332	2,627
Duluth-----	20	24	306	351	Seattle-----	122	107	1,509	1,441
Kansas City, Kans.-----	27	45	375	434	Spokane-----	44	43	553	542
Kansas City, Mo.-----	123	118	1,388	1,713	Tacoma-----	45	27	430	436
Minneapolis-----	123	121	1,439	1,666	Honolulu-----	(47)	(38)	(448)	(399)
Omaha-----	49	60	753	862					

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

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