

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 March 20, 1954

The incidence of meningococcal infections usually begins to decline about this time of the year. There has been a continuous decline for the past 3 weeks, from 127 cases (corrected figure) reported for the week ended February 27 to 96 for the current week. This represents a decrease of almost 25 percent. Since the first of the year, a total of 1,240 cases has been reported as compared with 1,641 cases for the corresponding period of 1953. The above figures exclude the report for Mississippi for the current week. This State reported no cases of the disease for last week.

EPIDEMIOLOGICAL REPORTS

Smallpox

Dr. A. C. Hollister, Jr., California Department of Public Health, has supplied information on a case suspected of being smallpox. The patient, a 27-year-old woman, was admitted to a hospital on February 20, severely ill with fever, prostration, and a vesiculo-pustular eruption on the arms, face, and neck. The onset of symptoms began 10 days earlier. Few lesions were found elsewhere on her body. The patient had a history of having atopic eczema for at least 4 years with recurrent episodes of pyoderma. The tops of the lesions were thin, collapsed readily, and no thick crusts or scabs were found. A sample of blood taken 12 days after onset revealed an antihemagglutination titer of 1:160 and a complement fixation titer of 1:128 against vaccinia-variola antigen. Inoculation of pustular fluid on chorio-allantoic membrane of chick embryos produced lesions characteristic of vaccinia-variola.

The patient was vaccinated 19 or 20 years ago and had a primary take. She was not vaccinated again until after admission to the hospital for the present illness, which resulted in an immune reaction. The patient did not know whether she had ever had chicken pox and could not recall any recent exposure to this disease. Exposure to smallpox seemed unlikely. The patient's infant daughter was vaccinated 2 weeks before the former was admitted to the hospital, so the transfer of infectious material from the infant's lesions was considered possible. It was concluded that a diagnosis of generalized vaccinia was reasonable and that smallpox has been ruled out. Further study of the virus is being continued to definitely identify it as vaccinia virus.

Influenza

Dr. C. G. Loosli, University of Chicago, reports a sharp increase in the prevalence of an acute febrile illness resembling epidemic influenza among the students and faculty. Cases were first noticed about March 12, and were characterized by sudden onset, headache, muscle aches and pains, minimal respiratory involvement, and a duration of 24 to 48 hours. Throat washings and sera are being collected for study of the etiology.

The Washington State Department of Health reports that no virus was isolated from throat washings of 5 cases of an influenza-like outbreak in Seattle, and complement fixation results were not significant for influenza.

Plague infection

Mr. F. M. Prince, San Francisco Field Station, PHS, reports that a specimen obtained from San Mateo County, California,

has been proved positive for plague. The specimen consisted of 22 fleas, *Hystrichopsylla dippei*, collected from a rodent nest February 25, 1954, about a half mile north east of Colma and 2 miles south of the San Francisco city limits. Plague was demonstrated in this area last year on specimens collected July 29 and 31.

Information has been received that a specimen obtained within the endemic area of the Hamakua District of Hawaii has been reported positive for plague by Mr. Bertram Gross, Territorial Department of Health. The specimen, collected on February 26, was a mass flea inoculation of 7 *Leptopsylla segnis* (females). These fleas were from 1 rat, *Rattus segnis*, and 4 mice, *Mus musculus*, which were trapped in the Kukuihaele area.

Meningo-encephalitis

A supplemental report has been received from the California Department of Public Health which gives additional information on the 3 cases of meningo-encephalitis given in the Communicable Disease Summary for the week ended February 27. Of these cases, 2 have been confirmed as mumps by the complement fixation and the agglutination inhibition tests.

Anthrax in animals

According to the February report from the Department of Agriculture, 3 outbreaks occurred—1 each in Illinois, Iowa, and Nebraska. Four swine were lost in Illinois and 1 cow in Iowa. The losses in Nebraska were not given. The sources of infection for these outbreaks were not determined. Reports from 39 States and the District of Columbia, show no outbreaks. Supplemental reports from the States not reporting in January show that no outbreaks occurred in these States during that month.

Psittacosis

Dr. W. R. Giedt, Washington State Board of Health, gives information on 2 cases of psittacosis which occurred during the first part of January 1954. Both patients were exposed to parakeets before Christmas. The birds were all from the same source in California. However, one of the patients purchased a parakeet from another source early in January. This bird remained well but 3 birds owned by the other patient subsequently died. The parakeets contacted by the former patient before Christmas were owned by a dealer, and the health of these birds is unknown. The complement fixation on blood samples, taken from both patients about the middle of February, was positive for psittacosis in a dilution of 1:32.

Dr. S. B. Osgood, Oregon State Board of Health, reports a case of psittacosis in a 66-year-old breeder and dealer in psittacine birds. The patient became ill with fever and a severe headache. The attending physician recognized a possibility of psittacosis in this case and submitted appropriate blood specimens. Complement fixation on the first specimen was positive for psittacosis in a dilution of 1:4, and on a specimen taken 2 weeks later, it was positive in a dilution of 1:16. The patient's wife did not become ill and no illnesses suggestive of psittacosis have been discovered among contacts with birds from this dealer. No birds at his aviary have been reported ill or examined for psittacosis virus to date.

Gastro-enteritis

The Los Angeles County Health Department reports an outbreak of gastro-enteritis in a private home. Four members of the family became ill about 7½ hours after eating home-made sausage. The illness was characterized by nausea, prostration, dizziness, headache, muscle weakness and pain, abdominal pain, and vomiting. There was no diarrhea in any of these cases. The sausage was made and allowed to stand at room temperature for 48 hours "to dry out." The family states that the meat was well cooked before eating. Laboratory examination of a sample of the sausage was negative.

Dr. Morris Greenberg, New York City Department of Health, reports an outbreak of gastro-enteritis among 279 persons in an institution. Of these, 118 became ill from 1 to 22 hours after eating lunch in the cafeteria of the institution. The predominant symptoms were diarrhea, and cramps of about 12 hours duration. The suspected vehicle of infection was boiled beef. The meat

had been cooked the previous day and refrigerated until morning at which time it was sliced. The sliced meat remained at room temperature from 3 to 5 hours before being served. No food was available for bacteriological examination and stool cultures were negative. Some unsanitary foodhandling practices were discovered, but the source of the infection was not found.

Dr. W. R. Giedt, Washington State Department of Health, reports an outbreak of gastro-enteritis following a luncheon for members of a club at a hotel. Of 32 members who attended, 17 became ill with abdominal cramps and diarrhea from 3½ to 16 hours later. Creamed turkey served at the luncheon was suspected to be the vehicle of infection but none was available for laboratory tests for confirmation. The meat was kept in a steam table with a defective temperature control. People served at noon did not become ill, but the club members who ate 1 hour later were affected. The investigation revealed no skin or upper respiratory infections among the food handlers.

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	11th week			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Mar. 20, 1954	Ended Mar. 21, 1953	Median 1949-53	First 11 weeks			Since seasonal low week			
				1954	1953	Median 1949-53	1953-54	1952-53	Median 1948-49 to 1952-53	
Anthrax-----062	1	3	1	5	10	10	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	6	4	---	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	24	29	---	299	298	---	(2)	(2)	(2)	(2)
Diphtheria-----055	37	31	68	461	522	1,008	1,826	2,193	4,034	July 1
Encephalitis, infectious-----082	20	13	17	204	183	149	(2)	(2)	(2)	(2)
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,476	625	---	14,306	6,968	---	(2)	(2)	(2)	(2)
Malaria-----110-117	10	8	---	74	97	---	(2)	(2)	(2)	(2)
Measles-----085	25,128	15,786	17,914	166,413	98,986	139,370	202,505	130,420	168,760	Sept. 1
Meningococcal infections-----057	96	150	111	1,240	1,641	1,207	2,562	2,916	2,286	Sept. 1
Polio-myelitis-----080	107	69	69	1,410	1,444	1,131	35,864	57,739	33,369	Apr. 1
Psittacosis-----096.2	49	-	-	38	2	---	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	1	-	1	(2)	(2)	(2)	(2)
Rocky Mountain spotted fever-----104A	-	-	-	6	4	7	(2)	(2)	(2)	(2)
Scarlet fever and streptococcal sore throat-----050,051	4,719	4,425	3,236	549,141	46,649	31,256	583,775	83,237	53,208	Aug. 1
Smallpox-----084	-	-	-	-	2	5	(2)	(2)	(2)	(2)
Trichiniasis-----128	3	8	---	68	48	---	(2)	(2)	(2)	(2)
Tularemia-----059	7	7	16	149	117	170	(2)	(2)	(2)	(2)
Typhoid fever-----040	32	27	27	354	252	356	2,368	2,264	2,450	Apr. 1
Typhus fever, endemic-----101	-	1	---	23	32	---	213	188	---	Apr. 1
Whooping cough-----056	1,119	620	977	11,631	6,887	13,222	21,388	14,744	27,486	Oct. 1
Rabies in animals-----	132	222	---	1,965	1,928	---	(2)	(2)	(2)	(2)

¹Reported in Pennsylvania.

²Information not available or frequencies are too small.

³Deduction: Georgia, week ended March 6, 1 case.

⁴Colorado, Ohio, and Virginia, 1 case each; New York, 2 cases; California, 4 cases.

⁵Deduction: Wyoming, week ended March 13, 11 cases.

NOTE.—No report for the current week has been received from Mississippi.

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 21, 1953, AND MARCH 20, 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-----	24	29	37	31	20	13	1,476	625	9	6	1	2
NEW ENGLAND-----	2	2	-	-	1	1	62	55	-	-	1	-
Maine-----	-	-	-	-	-	-	5	15	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	6	-	-	-	-	-
Vermont-----	-	2	-	-	-	-	4	-	-	-	-	-
Massachusetts-----	-	-	-	-	1	1	35	24	-	-	1	-
Rhode Island-----	-	-	-	-	-	-	1	-	-	-	-	-
Connecticut-----	2	-	-	-	-	-	11	16	-	-	-	-
MIDDLE ATLANTIC-----	-	5	2	1	8	7	227	110	1	-	-	-
New York-----	-	3	-	-	8	7	159	102	1	-	-	-
New Jersey-----	-	-	-	-	-	-	13	-	-	-	-	-
Pennsylvania-----	-	2	2	1	-	-	55	8	-	-	-	-
EAST NORTH CENTRAL-----	4	2	-	-	5	3	230	112	1	1	-	-
Ohio-----	-	-	-	-	-	-	31	31	-	-	-	-
Indiana-----	1	-	-	-	-	-	68	38	1	-	-	-
Illinois-----	3	2	-	-	1	-	66	6	-	1	-	-
Michigan-----	-	-	-	-	3	3	56	23	-	-	-	-
Wisconsin-----	-	-	-	-	1	-	9	14	-	-	-	-
WEST NORTH CENTRAL-----	13	8	8	3	1	-	281	72	-	-	-	-
Minnesota-----	3	4	6	-	-	-	82	19	-	-	-	-
Iowa-----	2	2	-	1	-	-	115	37	-	-	-	-
Missouri-----	1	-	1	-	-	-	24	5	-	-	-	-
North Dakota-----	5	-	-	-	-	-	8	1	-	-	-	-
South Dakota-----	-	-	-	-	-	-	38	-	-	-	-	-
Nebraska-----	-	-	-	2	1	-	-	9	-	-	-	-
Kansas-----	2	2	1	-	-	-	14	1	-	-	-	-
SOUTH ATLANTIC-----	3	2	4	10	2	-	285	91	-	-	-	-
Delaware-----	-	-	-	-	-	-	2	-	-	-	-	-
Maryland-----	1	-	-	-	-	-	11	8	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	1	-	-	2	2	-	167	33	-	-	-	-
West Virginia-----	-	1	-	-	-	-	37	25	-	-	-	-
North Carolina-----	-	-	2	2	-	-	53	17	-	-	-	-
South Carolina-----	-	-	-	4	-	-	3	2	-	-	-	-
Georgia-----	1	1	2	1	-	-	5	3	-	-	-	-
Florida-----	-	-	-	1	-	-	7	3	-	-	-	-
EAST SOUTH CENTRAL-----	1	1	6	6	-	-	127	49	-	-	-	-
Kentucky-----	1	-	-	1	-	-	77	9	-	-	-	-
Tennessee-----	-	-	4	2	-	-	41	14	-	-	-	-
Alabama-----	-	1	2	1	-	-	9	14	-	-	-	-
Mississippi-----	-	-	-	2	-	-	-	12	-	-	-	-
WEST SOUTH CENTRAL-----	-	4	15	7	2	2	106	20	7	5	-	-
Arkansas-----	-	1	3	1	1	-	6	3	-	-	-	-
Louisiana-----	-	-	-	-	-	-	5	-	-	-	-	-
Oklahoma-----	-	1	1	1	-	-	8	1	-	-	-	-
Texas-----	-	2	11	5	1	2	87	16	7	5	-	-
MOUNTAIN-----	-	2	1	4	-	-	34	6	-	-	-	-
Montana-----	-	-	-	-	-	-	3	-	-	-	-	-
Idaho-----	-	1	1	2	-	-	12	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	2	-	-	-	-
Colorado-----	-	1	-	-	-	-	10	4	-	-	-	-
New Mexico-----	-	-	-	-	-	-	1	-	-	-	-	-
Arizona-----	-	-	-	-	-	-	8	-	-	-	-	-
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	-	-	2	-	-	-	-	-	-	-	-
PACIFIC-----	1	3	1	-	1	-	124	110	-	-	-	2
Washington-----	-	-	1	-	-	-	25	22	-	-	-	2
Oregon-----	-	-	-	-	-	-	42	49	-	-	-	-
California-----	1	3	-	-	1	-	57	39	-	-	-	-
Alaska-----	-	-	-	-	-	-	2	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	1	-	-	-	1
Puerto Rico-----	-	-	7	6	-	-	9	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 21, 1953, AND MARCH 20, 1954—Con.

(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
CONT. UNITED STATES-----	25,128	15,786	96	150	107	69	46	25	21	17	-	-
NEW ENGLAND-----	485	173	-	5	3	2	2	-	1	-	-	-
Maine-----	325	22	-	1	-	-	-	-	-	-	-	-
New Hampshire-----	10	2	-	-	-	-	-	-	-	-	-	-
Vermont-----	44	9	-	1	-	-	-	-	-	-	-	-
Massachusetts-----	88	69	-	-	3	2	2	-	1	-	-	-
Rhode Island-----	1	6	-	1	-	-	-	-	-	-	-	-
Connecticut-----	17	65	-	2	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	4,305	728	9	26	10	1	3	-	-	-	-	-
New York-----	2,969	164	3	17	5	-	2	-	-	-	-	-
New Jersey-----	284	92	4	1	2	-	1	-	-	-	-	-
Pennsylvania-----	1,052	472	2	8	3	1	-	-	-	-	-	-
EAST NORTH CENTRAL-----	4,333	4,755	15	28	8	5	2	1	2	-	-	-
Ohio-----	1,093	1,183	3	15	1	1	-	-	1	-	-	-
Indiana-----	978	581	1	4	1	-	-	-	-	-	-	-
Illinois-----	709	477	4	7	2	2	1	-	-	-	-	-
Michigan-----	1,319	618	5	2	2	1	1	1	1	-	-	-
Wisconsin-----	234	1,896	2	-	2	1	-	-	-	-	-	-
WEST NORTH CENTRAL-----	641	1,489	11	10	9	7	3	-	2	1	-	-
Minnesota-----	15	241	1	3	4	1	-	-	1	-	-	-
Iowa-----	265	576	1	2	1	1	-	-	-	1	-	-
Missouri-----	56	118	4	2	-	-	-	-	-	-	-	-
North Dakota-----	69	33	2	-	-	-	-	-	-	-	-	-
South Dakota-----	51	11	-	-	1	3	-	-	1	-	-	-
Nebraska-----	144	30	-	1	3	-	3	-	-	-	-	-
Kansas-----	41	480	3	2	-	2	-	-	-	-	-	-
SOUTH ATLANTIC-----	4,560	1,019	29	34	12	4	1	3	2	-	-	-
Delaware-----	77	17	-	-	-	-	-	-	-	-	-	-
Maryland-----	547	36	1	2	-	-	-	-	-	-	-	-
District of Columbia-----	174	15	1	2	-	-	-	-	-	-	-	-
Virginia-----	1,514	106	7	9	1	1	-	1	1	-	-	-
West Virginia-----	390	468	6	2	-	-	-	-	-	-	-	-
North Carolina-----	555	219	12	7	-	1	-	1	-	-	-	-
South Carolina-----	477	75	2	2	-	1	-	-	-	-	-	-
Georgia-----	280	66	-	8	7	-	-	-	1	-	-	-
Florida-----	546	17	-	2	4	1	1	1	-	-	-	-
EAST SOUTH CENTRAL-----	3,327	453	9	12	3	3	1	1	-	-	-	-
Kentucky-----	1,894	179	5	6	1	1	1	1	-	-	-	-
Tennessee-----	926	107	-	3	-	1	-	-	-	-	-	-
Alabama-----	507	109	4	2	2	-	-	-	-	-	-	-
Mississippi-----	-	58	-	1	-	1	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	3,686	4,326	8	16	24	18	12	11	2	4	-	-
Arkansas-----	59	804	2	2	2	2	1	1	1	1	-	-
Louisiana-----	88	51	4	10	1	4	1	4	-	-	-	-
Oklahoma-----	54	81	-	1	1	-	-	-	-	-	-	-
Texas-----	3,485	3,390	2	3	20	12	10	6	1	3	-	-
MOUNTAIN-----	1,339	953	3	2	8	5	3	-	3	1	-	-
Montana-----	117	68	3	-	3	1	1	-	1	1	-	-
Idaho-----	446	67	-	-	-	-	-	-	-	-	-	-
Wyoming-----	33	7	-	-	-	-	-	-	-	-	-	-
Colorado-----	56	335	-	1	3	1	1	-	1	-	-	-
New Mexico-----	89	188	-	1	1	-	1	-	-	-	-	-
Arizona-----	132	60	-	-	1	1	-	-	1	-	-	-
Utah-----	464	227	-	-	-	1	-	-	-	-	-	-
Nevada-----	2	1	-	-	-	1	-	-	-	-	-	-
PACIFIC-----	2,452	1,890	12	17	30	24	19	9	9	11	-	-
Washington-----	561	331	2	1	1	1	-	-	-	-	-	-
Oregon-----	118	160	2	1	2	-	2	-	-	-	-	-
California-----	1,773	1,399	8	15	27	23	17	9	9	11	-	-
Alaska-----	37	-	-	-	2	-	1	-	1	-	-	-
Hawaii-----	1	1	-	-	7	1	6	-	1	-	-	-
Puerto Rico-----	128	49	-	2	-	-	-	-	-	-	-	-

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

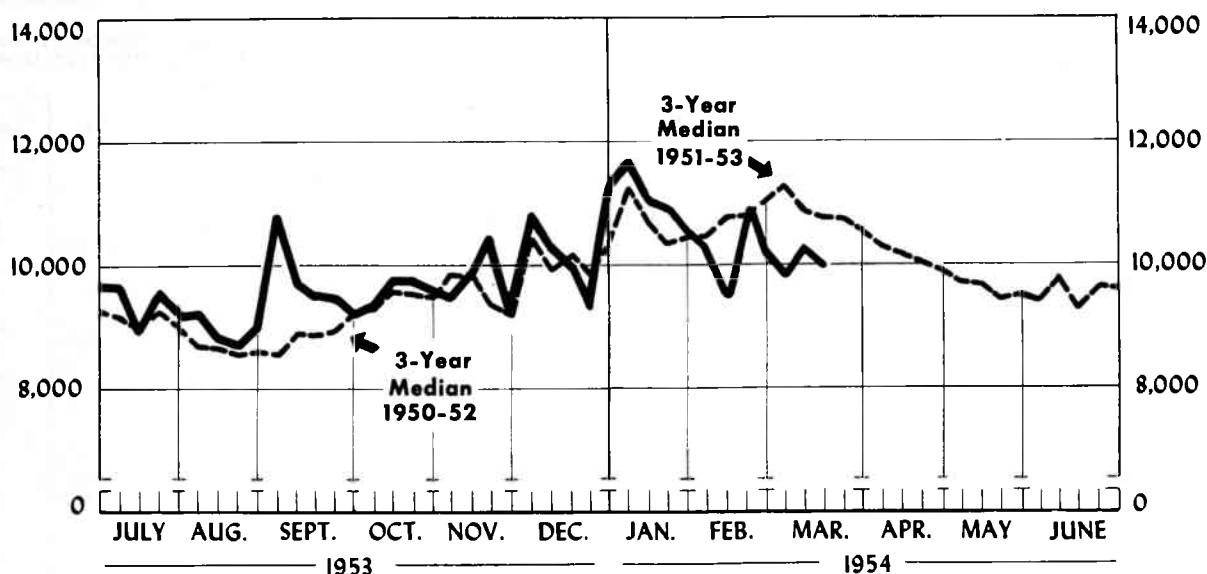
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MARCH 21, 1953, AND MARCH 20, 1954—Con.

(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-----	4,719	4,425	3	7	7	32	27	-	1,119	620	132	222
NEW ENGLAND-----	400	400	1	-	-	3	1	-	129	104	-	-
Maine-----	85	51	-	-	-	1	-	-	3	26	-	-
New Hampshire-----	17	11	-	-	-	-	-	-	2	-	-	-
Vermont-----	33	11	-	-	-	-	-	-	21	11	-	-
Massachusetts-----	166	147	-	-	-	1	1	-	74	36	-	-
Rhode Island-----	17	22	-	-	-	-	-	-	3	5	-	-
Connecticut-----	82	158	1	-	-	1	-	-	26	26	-	-
MIDDLE ATLANTIC-----	726	838	1	-	1	-	4	-	248	148	4	4
New York-----	394	496	-	-	1	-	2	-	115	75	3	3
New Jersey-----	73	135	-	-	-	-	-	-	46	19	-	-
Pennsylvania-----	259	207	1	-	-	-	2	-	87	54	1	1
EAST NORTH CENTRAL-----	954	881	-	1	2	1	2	-	241	51	17	15
Ohio-----	230	233	-	-	-	-	-	-	54	9	3	5
Indiana-----	151	82	-	-	-	-	1	-	14	11	7	5
Illinois-----	164	194	-	1	2	1	-	-	25	4	3	4
Michigan-----	224	201	-	-	-	-	-	-	96	8	4	-
Wisconsin-----	185	171	-	-	-	-	1	-	52	19	-	1
WEST NORTH CENTRAL-----	244	244	-	-	-	1	-	-	20	7	22	13
Minnesota-----	57	68	-	-	-	-	-	-	9	1	4	-
Iowa-----	57	74	-	-	-	-	-	-	1	1	11	6
Missouri-----	34	16	-	-	-	1	-	-	4	5	6	6
North Dakota-----	13	27	-	-	-	-	-	-	6	-	-	1
South Dakota-----	20	7	-	-	-	-	-	-	-	-	-	-
Nebraska-----	6	21	-	-	-	-	-	-	-	-	1	-
Kansas-----	57	31	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	476	381	-	-	2	10	1	-	100	32	44	47
Delaware-----	6	7	-	-	-	-	-	-	-	-	-	-
Maryland-----	52	131	-	-	-	-	-	-	14	8	-	6
District of Columbia-----	26	10	-	-	-	-	-	-	4	-	-	-
Virginia-----	110	109	-	-	1	2	1	-	27	3	14	16
West Virginia-----	77	26	-	-	-	2	-	-	28	8	16	1
North Carolina-----	139	47	-	-	-	3	-	-	15	-	3	2
South Carolina-----	12	9	-	-	-	2	-	-	1	2	3	7
Georgia-----	35	23	-	-	1	-	-	-	8	2	5	15
Florida-----	19	19	-	-	-	1	-	-	3	9	3	-
EAST SOUTH CENTRAL-----	176	99	-	3	-	5	7	-	103	45	21	68
Kentucky-----	91	34	-	-	-	-	1	-	76	11	6	10
Tennessee-----	77	58	-	2	-	5	1	-	16	10	6	16
Alabama-----	8	7	-	1	-	-	4	-	11	13	9	31
Mississippi-----	-	-	-	-	-	-	1	-	-	11	-	11
WEST SOUTH CENTRAL-----	946	599	-	3	1	9	6	-	140	134	22	62
Arkansas-----	53	35	-	2	1	2	-	-	31	17	2	5
Louisiana-----	4	9	-	-	-	3	-	-	3	7	-	21
Oklahoma-----	58	34	-	-	-	1	1	-	6	5	2	1
Texas-----	831	521	-	1	-	3	5	-	100	105	18	35
MOUNTAIN-----	288	371	1	-	1	2	3	-	38	20	1	6
Montana-----	34	44	-	-	1	-	-	-	2	-	-	-
Idaho-----	20	77	-	-	-	-	-	-	-	1	-	-
Wyoming-----	12	109	-	-	-	-	-	-	-	5	-	-
Colorado-----	-	40	-	-	-	-	-	-	7	-	-	-
New Mexico-----	17	15	-	-	-	2	3	-	1	11	-	5
Arizona-----	184	18	1	-	-	-	-	-	25	2	1	1
Utah-----	21	68	-	-	-	-	-	-	3	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	1	-	-
PACIFIC-----	509	612	-	-	-	1	3	-	100	79	1	7
Washington-----	112	207	-	-	-	-	-	-	30	5	-	-
Oregon-----	101	67	-	-	-	1	-	-	25	18	-	-
California-----	296	338	-	-	-	-	3	-	45	56	1	7
Alaska-----	18	9	-	-	-	-	-	-	-	-	-	-
Hawaii-----	1	4	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	2	1	1	101	14	-	1

³January cases.

NUMBER OF DEATHS IN 108 SELECTED CITIES



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	11th week ended Mar. 20, 1954	10th week ended Mar. 13, 1954	11th week median 1951-53	Percent change, median to current week	CUMULATIVE NUMBER FOR FIRST 11 WEEKS		
					1954	1953	Percent change
TOTAL: 106 REPORTING CITIES-----	9,814	10,061	10,499	-6.5	113,236	124,421	-9.0
New England----- (14 cities)	661	667	756	-12.6	7,779	8,212	-5.3
Middle Atlantic----- (17 cities)	2,896	2,938	3,205	-9.6	33,915	36,916	-8.1
East North Central----- (17 cities)	2,088	2,189	2,272	-8.1	23,574	26,287	-10.3
West North Central----- (9 cities)	740	749	762	-2.9	8,239	9,702	-15.1
South Atlantic----- (8 cities)	780	789	845	-7.7	8,807	10,041	-12.3
East South Central----- (8 cities)	454	443	448	+1.3	5,418	5,907	-8.3
West South Central----- (12 cities)	750	805	689	+8.9	8,572	9,010	-4.9
Mountain----- (8 cities)	209	196	264	-20.8	2,569	3,155	-18.6
Pacific----- (12 cities)	1,236	1,285	1,329	-7.0	14,363	15,191	-5.5

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Table 4. DEATH IN SELECTED CITIES FOR WEEK ENDED MARCH 20, 1954
(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

CITY	11th week ended Mar. 20, 1954	10th week ended Mar. 13, 1954	CUMULATIVE NUMBER FOR FIRST 11 WEEKS		CITY	11th week ended Mar. 20, 1954	10th week ended Mar. 13, 1954	CUMULATIVE NUMBER FOR FIRST 11 WEEKS	
			1954	1953				1954	1953
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston-----	231	203	2,520	2,800	St. Louis-----	227	247	2,604	3,100
Bridgeport-----	40	39	400	381	St. Paul-----	63	53	745	831
Cambridge-----	26	31	325	327	Wichita-----	34	35	457	506
Fall River-----	21	36	325	353	SOUTH ATLANTIC				
Hartford-----	44	51	526	560	Atlanta-----	96	106	1,203	1,286
Lowell-----	32	33	347	318	Baltimore-----	211	221	2,578	2,943
Lynn-----	17	16	261	245	Charlotte-----	39	30	358	342
New Bedford-----	18	18	259	303	Jacksonville-----	(45)	(36)	(563)	---
New Haven-----	36	44	538	551	Miami-----	82	55	705	785
Providence-----	61	59	736	756	Norfolk-----	23	27	337	417
Somerville-----	14	16	172	197	Richmond-----	80	68	740	837
Springfield, Mass.-----	51	45	491	425	Savannah-----	(31)	(21)	(323)	---
Waterbury-----	18	24	291	323	Tampa-----	52	60	666	739
Worcester-----	52	52	588	673	Washington, D. C.-----	169	194	1,855	2,310
					Wilmington, Del.-----	28	28	365	382
MIDDLE ATLANTIC					EAST SOUTH CENTRAL				
Albany-----	47	47	525	547	Birmingham-----	76	67	913	880
Allentown-----	(34)	(34)	(406)	---	Chattanooga-----	46	32	546	531
Buffalo-----	128	125	1,670	1,642	Knoxville-----	42	28	406	408
Camden-----	40	29	425	424	Louisville-----	93	104	1,211	1,308
Elizabeth-----	21	34	328	353	Memphis-----	74	92	1,066	1,335
Erie-----	32	44	374	410	Mobile-----	34	41	378	386
Jersey City-----	70	51	843	833	Montgomery-----	26	34	328	372
Newark, N. J.-----	108	95	1,180	1,330	Nashville-----	63	45	570	687
New York City-----	1,556	1,510	17,842	19,626	WEST SOUTH CENTRAL				
Paterson-----	41	38	451	494	Austin-----	19	39	279	311
Philadelphia-----	431	487	5,187	5,785	Baton Rouge-----	28	28	282	161
Pittsburgh-----	163	198	1,897	2,084	Corpus Christi-----	14	22	179	219
Reading-----	(21)	(28)	(242)	---	Dallas-----	79	100	1,124	1,151
Rochester, N. Y.-----	96	85	1,075	1,220	El Paso-----	26	37	310	362
Schenectady-----	17	18	286	275	Fort Worth-----	61	51	612	711
Scranton-----	(49)	(30)	(383)	---	Houston-----	112	158	1,485	1,477
Syracuse-----	37	60	627	650	Little Rock-----	26	35	462	511
Trenton-----	44	56	551	579	New Orleans-----	175	168	1,811	1,923
Utica-----	37	35	352	357	Oklahoma City-----	62	54	680	664
Yonkers-----	28	26	302	307	San Antonio-----	102	82	929	1,013
EAST NORTH CENTRAL					Shreveport-----	46	31	419	507
Akron-----	58	51	619	727	Tulsa-----	---	(45)	---	(399)
Canton-----	27	34	363	348	MOUNTAIN				
Chicago-----	753	724	8,037	9,275	Albuquerque-----	22	24	300	337
Cincinnati-----	134	137	1,563	1,829	Colorado Springs-----	13	10	129	160
Cleveland-----	201	231	2,321	2,534	Denver-----	94	90	1,128	1,406
Columbus-----	94	111	1,196	1,316	Ogden-----	7	12	111	147
Dayton-----	72	64	754	720	Phoenix-----	23	20	275	296
Detroit-----	311	324	3,596	3,889	Pueblo-----	10	12	158	170
Evansville-----	32	33	354	413	Salt Lake City-----	38	26	429	570
Flint-----	37	58	435	428	Tucson-----	2	2	39	69
Fort Wayne-----	20	22	265	386	PACIFIC				
Gary-----	(32)	(19)	(286)	---	Berkeley-----	32	16	222	207
Grand Rapids-----	39	47	466	487	Long Beach-----	65	34	551	560
Indianapolis-----	---	(98)	---	(1,388)	Los Angeles-----	452	528	5,310	5,532
Milwaukee-----	111	129	1,387	1,553	Oakland-----	95	94	1,087	1,185
Peoria-----	24	37	368	351	Pasadena-----	32	19	355	426
South Bend-----	26	25	246	268	Portland, Oreg.-----	106	93	1,082	1,190
Toledo-----	100	113	1,052	1,095	Sacramento-----	38	60	559	585
Youngstown-----	49	49	552	668	San Diego-----	59	50	779	871
WEST NORTH CENTRAL					San Francisco-----	180	180	2,137	2,415
Des Moines-----	48	44	514	595	Seattle-----	107	135	1,387	1,330
Duluth-----	24	34	286	318	Spokane-----	43	35	509	496
Kansas City, Kans.-----	45	28	348	385	Tacoma-----	27	41	385	394
Kansas City, Mo.-----	118	128	1,265	1,613	Honolulu-----	(38)	(42)	(401)	(361)
Minneapolis-----	121	115	1,316	1,557					
Omaha-----	60	65	704	797					

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

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