

Morbidity and Mortality

Weekly
Report



U. S. Department of
HEALTH, EDUCATION, AND WELFARE

Public Health Service

NATIONAL OFFICE OF VITAL STATISTICS

April 20, 1956

Washington 25, D. C.

Vol. 5, No. 15

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended April 14, 1956

EPIDEMIOLOGICAL REPORTS

Influenza

The following reports have been received by the Influenza Information Center, NIH, and the National Office of Vital Statistics.

Dr. Henry Bauer, Minnesota State Department of Health, has reported the isolation of influenza A (FM1-1947) from 4 individuals during the second week of March. Two of these were involved in the outbreak of influenza A at the Veterans' Administration Hospital reported last week. The other two isolations were from university students in Minneapolis who had symptoms compatible with influenza.

Miss Eleanor Whitney, New York State Department of Health, has reported the serologic diagnosis of influenza A from 2 individuals in New York State having onset during the first 10 days of March.

Dr. E. H. Lennette, California State Department of Public Health, has reported the serologic diagnosis of influenza A in 12 individuals from various parts of California, for the week ended April 6.

During the 2-week period ended April 7, additional reports of an influenza-like disease have been received by the Epidemiology Section of the California State Department of Public Health. Modoc County reported an "unusually large number" of cases in March, with the peak believed to have been passed by March 31. Placer County reported a similar illness in approximately 100 children and adults; highest morbidity occurred in March and has since dropped off considerably. The Tulare County Health Department has continued to report cases, 76 having been recognized in the week ended March 24. Contra Costa County reported a high incidence of respiratory disease among students in 5 schools. Faculty members were involved in one school. The San Diego County Health Department reported the occurrence of an outbreak of influenza-like disease in a home for the aged during March. The illness was characterized by fever of 101 to 102 degrees, anorexia, malaise, and occasional myalgia. The average duration of illness was 3 days, although many exacerbations of symptoms were noted. The outbreak began approximately the first of March and reached its peak around March 21, when a 45 percent attack rate was noted among patients, and a 60 percent incidence among attendants. Cases dropped off sharply after March 23. Throat washings and serologic specimens have been submitted, and preliminary results indicate that the outbreak was due to influenza A. On March 15, an outbreak of acute respiratory disease was investigated at a State Hospital. The illness was characterized by sudden onset of fever, cough, conjunctivitis, headache, nasal discharge, stiff neck, and general malaise. The outbreak had its onset on approximately March 8, the peak incidence was noted on March 14, and a slow drop in the number of cases occurred after that date. The disease was primarily limited to 4 wards with attack rates of 75 percent, 75 percent, 30 percent, and 5 percent. Ten other units were surveyed for illness, but no cases were found. Laboratory results show positive titers for influenza A in 22 of 26 specimens submitted. Twenty-three counties in the State have submitted laboratory specimens which have shown serologic evidence of influenza infection.

Psittacosis

Dr. S. B. Osgood, Oregon State Board of Health, has given supplemental information on the outbreak of psittacosis associated with turkeys. The preliminary report of this outbreak was reported for the week ended March 10. The suspect cases were among workers on 2 farms and employees of a rendering plant and of a poultry processing plant. Of blood specimens collected from 46 individuals, serologic confirmation has been obtained on 34 based on either a fourfold or greater rise in titer between paired specimens, or a single titer of 1:32 or higher on complement fixation test with psittacosis antigen. No virus isolation has been reported so far. About 250 human blood sera remain to be tested; however, most of these are expected to be negative. Aerosol studies made at the rendering plant indicated that virable bacterial aerosols could be picked up throughout and outside the plant. Other epidemiologic studies are being made and the final report will not be available for several months.

Dr. Mason Romaine, Virginia State Department of Health, has reported 2 laboratory confirmed cases of psittacosis. Both patients owned a pet parakeet, neither of which showed any signs of illness. However, they were not available for laboratory examination when the investigations were made. No other illnesses have been reported among other members of the families associated with these birds.

Dr. D. S. Fleming, Minnesota State Department of Health, has reported a case of psittacosis in a 42-year-old man. The patient became ill with chills and fever, and developed a slight cough. A chest X-ray showed a pneumonic process in his left lower lobe. The complement fixation test for psittacosis was positive in a dilution of 1:128. The patient had exposure to several psittacine birds, but the source of infection was not determined.

Rabies in animals

Dr. J. D. Martin, Louisiana State Department of Health, has reported 95 laboratory confirmed cases of animal rabies for the first 2 months of 1956 compared with 147 for the entire year of 1955. Of the total this year, 59 cases were in foxes, 27 in dogs, 4 in cows, and 1 each in a goat, a horse, and a rat. The outbreak has been occurring principally in parishes in the north central part of the State and is moving in a southwesterly direction. Four of the animals examined were from Texas.

A report from Texas for the first 3 months of 1956 shows that 807 animal heads have been submitted for laboratory examination. Of these, 157 or approximately 20 percent were positive for rabies. More than half (83) of the confirmed rabies diagnoses were in dogs, 39 were in foxes, 13 in cows, 12 in skunks, and 10 in miscellaneous other animals.

Anthrax

Dr. E. J. Witte, Pennsylvania Department of Health, has reported a case of anthrax in a spinner at a woolen mill. Early in March a small pimple developed on the patient's lip. There was no history of injury or of an imbedded hair. The patient became severely ill, and treatment with peroxide and penicillin ointment was self-administered. Later the patient consulted a physician who sent her to a hospital. One lesion smear was positive for anthrax but was negative in succeeding tests. All lesion and blood cultures were negative.

Diphtheria

The California State Department of Public Health has reported an outbreak of diphtheria which was centered around one family. Eight cases occurred during a 6-day period. Upon investigation 2 individuals were found to be carriers. All patients were hospitalized and given antibiotic and antitoxin therapy. There were no deaths and no complications reported. Three of the patients claimed previous immunization—a 25-year-old woman reported immunization in her infancy; one had a booster dose in 1949; and the other was immunized in 1951 with a booster dose in 1954.

Salmonellosis

The Los Angeles City Health Department has reported an outbreak of salmonellosis among persons who ingested chocolate-covered custard doughnuts from a commercial bakery. Nine cases are known to have occurred. An investigation revealed that storage of doughnuts at the bakery was in an unrefrigerated case. Apparently none of the doughnuts were available for bacteriological examination, but specimens from 3 patients yielded *Salmonella typhimurium*. A specimen from 1 of 8 food handlers at the bakery yielded the same type of

organism.

Gastro-enteritis

Dr. Roy F. Feemster, Massachusetts Department of Public Health, has reported an outbreak of gastro-enteritis in a family of 10 who ate a Boston cream pie. All became ill with fever, nausea, and diarrhea from 5 to 6 hours later. Bacteriological examination of the pie revealed *Staphylococcus aureus*, coagulase positive. An investigation of the bakery revealed no unward practices, and it is believed that lack of refrigeration during the long period of time in transit to the home was responsible for the infection.

The Los Angeles City Health Department has reported an outbreak of gastro-enteritis among 20 persons who ate in a restaurant. Of these, 15 became ill with nausea, cramps, and diarrhea from 6 to 19 hours later. The suspected vehicle of infection was spaghetti with meat sauce. The meat sauce was prepared on the day prior to the outbreak. It was refrigerated and then reheated before being served on the spaghetti. The spaghetti was kept in a dish on the serving table at a temperature of approximately 140 degrees. No food was available for bac-

Continued on page 6

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	15th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Apr. 14, 1956	Ended Apr. 16, 1955	Median 1951-55	First 15 weeks			Since seasonal low week			
				1956	1955	Median 1951-55	1955-56	1954-55	Median 1950-51 to 1954-55	
Anthrax-----062	2	1	1	19	12	13	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	---	-	4	---	(2)	(2)	(2)	(2)
Bruce'sosis (undulant fever)-----4	13	25	---	256	325	---	---	---	---	---
Diphtheria-----055	26	18	40	583	494	687	1,913	1,711	2,336	July 1
Encephalitis, infectious-----022	28	22	22	361	348	328	1,312	1,700	1,065	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	417	732	---	7,427	13,461	---	---	---	---	---
Malaria-----110-117	3	11	---	45	63	---	(2)	(2)	(2)	(2)
Measles-----085	29,443	24,778	24,778	244,967	281,608	281,608	274,065	336,077	324,915	Sept. 1
Meningococcal infections-----057	59	71	122	1,080	1,404	1,697	2,003	2,453	2,966	Sept. 1
Meningitis, other-----340	31	---	---	456	---	---	---	---	---	---
Polioyelitis-----080	85	74	74	1,223	1,198	1,436	151	135	135	Apr. 1
Psittacosis-----096.2	9	5	---	109	99	---	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	3	2	2	(2)	(2)	(2)	(2)
Smallpox-----084	-	-	-	-	-	3	(2)	(2)	(2)	(2)
Typhoid fever-----040	28	27	30	381	361	438	68	54	48	Apr. 1
Typhus fever, endemic-----101	-	2	---	23	19	---	(2)	(2)	(2)	(2)
Rabies in animals-----	166	146	163	1,829	1,936	-,588	2,856	3,289	4,132	Oct. 1

¹North Carolina and Pennsylvania, 1 case each.

²Frequencies are too small.

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 of Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, 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 APRIL 16, 1955 AND APRIL 14, 1956

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1949)

AREA	BRUCELLOSIS (UNDULANT FEVER)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		15th week		Cumulative first 15 weeks		082		15th week		Cumulative first 15 weeks	
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
CONT. UNITED STATES-----	13	25	26	18	583	494	28	22	417	732	7,427	13,461
NEW ENGLAND-----	1	1	-	1	4	13	1	1	16	80	493	1,266
Maine-----	-	-	-	-	-	-	-	-	2	16	121	118
New Hampshire-----	-	-	-	-	1	-	-	-	-	3	16	47
Vermont-----	1	-	-	-	-	1	-	-	5	7	75	102
Massachusetts-----	-	-	-	1	3	12	-	1	5	23	106	465
Rhode Island-----	-	1	-	-	-	-	1	-	1	13	53	181
Connecticut-----	-	-	-	-	-	-	-	-	3	18	122	353
MIDDLE ATLANTIC-----	-	1	-	3	20	23	7	4	72	171	1,421	3,391
New York-----	-	1	-	3	8	16	6	4	30	104	767	1,776
New Jersey-----	-	-	-	-	5	1	1	-	17	13	139	222
Pennsylvania-----	-	-	-	-	7	6	-	-	25	54	515	1,393
EAST NORTH CENTRAL-----	-	8	4	-	120	65	4	2	68	95	1,171	1,947
Ohio-----	-	-	1	-	10	21	1	-	10	9	285	352
Indiana-----	-	-	2	-	63	28	-	-	21	25	181	306
Illinois-----	-	3	1	-	2	2	-	1	13	16	297	398
Michigan-----	-	1	-	-	44	12	3	-	24	33	264	609
Wisconsin-----	-	4	-	-	1	2	-	1	-	12	144	282
WEST NORTH CENTRAL-----	6	12	2	4	63	73	-	2	40	71	668	1,832
Minnesota-----	1	5	1	-	24	23	-	-	13	29	199	631
Iowa-----	4	4	-	-	14	4	-	-	11	23	169	575
Missouri-----	-	-	1	-	6	6	-	-	2	7	32	198
North Dakota-----	-	1	-	-	-	-	-	-	4	4	60	107
South Dakota-----	1	-	-	4	1	29	-	-	6	3	98	197
Nebraska-----	-	-	-	-	16	10	-	-	3	2	60	29
Kansas-----	-	2	-	-	2	1	2	2	1	3	50	95
SOUTH ATLANTIC-----	-	-	3	5	109	129	-	-	40	66	453	1,212
Delaware-----	-	-	-	-	-	2	-	-	5	1	13	21
Maryland-----	-	-	-	-	-	1	-	-	2	6	45	140
District of Columbia-----	-	-	-	-	1	2	-	-	-	1	7	22
Virginia-----	-	-	1	-	16	9	-	-	13	30	192	541
West Virginia-----	-	-	1	1	4	6	-	-	2	10	21	153
North Carolina-----	-	-	-	1	16	21	-	-	2	8	41	152
South Carolina-----	-	-	2	-	18	23	-	-	5	1	22	25
Georgia-----	-	-	-	2	23	49	-	-	7	2	56	74
Florida-----	-	-	1	-	31	17	-	-	4	7	56	84
EAST SOUTH CENTRAL-----	4	1	3	3	87	65	2	3	45	51	666	680
Kentucky-----	1	-	-	2	4	13	-	-	11	5	196	108
Tennessee-----	2	1	-	-	16	12	1	2	14	13	307	291
Alabama-----	-	-	2	-	47	26	1	-	11	6	69	131
Mississippi-----	1	-	1	1	20	14	-	1	9	27	94	150
WEST SOUTH CENTRAL-----	1	1	12	2	143	106	2	3	49	35	544	654
Arkansas-----	-	-	3	-	16	6	-	-	4	2	57	96
Louisiana-----	-	-	1	1	14	17	-	-	6	-	30	39
Oklahoma-----	-	-	4	1	43	12	-	-	1	4	32	68
Texas-----	1	1	4	-	70	71	2	3	38	29	425	451
MOUNTAIN-----	-	1	2	-	13	4	-	-	25	75	823	1,037
Montana-----	-	-	-	-	-	2	-	-	3	12	231	110
Idaho-----	-	-	-	-	-	-	-	-	7	15	105	123
Wyoming-----	-	-	1	-	3	-	-	-	-	1	40	31
Colorado-----	-	1	1	-	3	-	-	-	6	12	169	213
New Mexico-----	-	-	-	-	1	-	-	-	-	17	75	224
Arizona-----	-	-	-	-	5	1	-	-	9	15	175	281
Utah-----	-	-	-	-	1	1	-	-	-	3	26	35
Nevada-----	-	-	-	-	-	-	-	-	-	-	2	20
PACIFIC-----	1	-	-	-	24	16	12	7	62	88	1,188	1,442
Washington-----	1	-	-	-	2	5	-	-	19	26	268	316
Oregon-----	-	-	-	-	8	-	-	-	8	17	228	387
California-----	-	-	-	-	14	11	12	7	35	45	692	739
Alaska-----	-	-	-	-	-	-	-	-	8	10	33	129
Hawaii-----	-	-	-	-	-	-	-	-	-	4	15	24
Puerto Rico-----	-	-	-	1	15	28	-	-	1	2	71	20

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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 APRIL 16, 1955 AND APRIL 14, 1956—Continued

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

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total ¹				Paralytic		Nonparalytic		110-117		085	
	15th week		Cumulative first 15 weeks		080.0,080.1		080.2					
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
CONT. UNITED STATES-----	83	74	1,223	1,198	48	32	22	14	3	11	29,443	24,778
NEW ENGLAND-----	1	1	36	28	1	1	-	-	-	-	270	4,502
Maine-----	-	-	7	3	-	-	-	-	-	-	12	342
New Hampshire-----	-	-	2	3	-	-	-	-	-	-	2	283
Vermont-----	-	-	7	11	-	-	-	-	-	-	39	333
Massachusetts-----	1	1	18	8	1	1	-	-	-	-	102	1,502
Rhode Island-----	-	-	2	-	-	-	-	-	-	-	20	315
Connecticut-----	-	-	-	3	-	-	-	-	-	-	95	1,727
MIDDLE ATLANTIC-----	5	12	87	146	2	3	1	1	-	-	5,000	6,154
New York-----	1	8	59	90	1	3	-	1	-	-	2,001	1,491
New Jersey-----	2	3	11	22	1	-	1	-	-	-	768	3,539
Pennsylvania-----	2	1	17	34	-	-	-	-	-	-	2,231	1,124
EAST NORTH CENTRAL-----	5	10	88	119	3	3	1	-	-	-	8,588	4,832
Ohio-----	-	4	20	31	-	-	-	-	-	-	1,631	889
Indiana-----	-	1	7	11	-	-	-	-	-	-	1,179	197
Illinois-----	2	4	16	25	2	3	-	-	-	-	2,266	471
Michigan-----	1	-	27	41	1	-	-	-	-	-	2,471	826
Wisconsin-----	2	1	18	11	-	-	1	-	-	-	1,041	2,449
WEST NORTH CENTRAL-----	4	7	56	91	1	-	3	1	-	-	886	1,178
Minnesota-----	2	1	10	15	1	-	1	-	-	-	32	233
Iowa-----	-	2	11	18	-	-	-	-	-	-	299	513
Missouri-----	1	-	16	11	-	-	1	-	-	-	145	156
North Dakota-----	-	-	2	3	-	-	-	-	-	-	99	34
South Dakota-----	-	1	8	11	-	-	-	-	-	-	31	18
Nebraska-----	1	-	3	14	-	-	1	-	-	-	165	5
Kansas-----	-	3	6	19	-	-	-	1	-	-	115	219
SOUTH ATLANTIC-----	10	9	103	206	4	5	2	2	-	1	3,999	551
Delaware-----	-	1	1	3	-	1	-	-	-	-	32	6
Maryland-----	-	-	4	6	-	-	-	-	-	-	483	56
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	96	19
Virginia-----	-	1	4	6	-	1	-	-	-	-	1,415	139
West Virginia-----	1	-	4	7	1	-	-	-	-	-	608	92
North Carolina-----	2	1	26	31	2	1	-	-	-	-	378	46
South Carolina-----	1	1	8	8	-	1	1	-	-	1	547	29
Georgia-----	-	1	12	22	-	-	-	-	-	-	272	115
Florida-----	6	4	44	² 123	1	1	1	2	-	-	170	49
EAST SOUTH CENTRAL-----	3	4	49	67	1	3	1	-	-	-	1,903	499
Kentucky-----	-	3	19	26	-	2	-	-	-	-	745	61
Tennessee-----	-	-	7	11	-	-	-	-	-	-	812	269
Alabama-----	-	1	1	10	-	1	-	-	-	-	231	97
Mississippi-----	3	-	22	20	1	-	1	-	-	-	115	72
WEST SOUTH CENTRAL-----	24	20	268	199	16	13	5	3	3	8	5,055	2,345
Arkansas-----	2	1	11	15	1	1	1	-	-	-	422	260
Louisiana-----	5	3	40	33	4	3	1	-	1	-	38	5
Oklahoma-----	-	-	11	16	-	-	-	-	-	-	497	122
Texas-----	17	16	206	135	11	9	3	3	2	8	4,098	1,958
MOUNTAIN-----	5	1	76	76	3	-	1	1	-	1	1,561	197
Montana-----	1	-	5	11	1	-	-	-	-	1	333	26
Idaho-----	1	-	10	8	-	-	1	-	-	-	78	44
Wyoming-----	1	-	3	5	1	-	-	-	-	-	44	3
Colorado-----	1	1	8	15	1	-	-	1	-	-	450	177
New Mexico-----	-	-	3	3	-	-	-	-	-	-	155	182
Arizona-----	-	-	30	6	-	-	-	-	-	-	396	721
Utah-----	-	-	8	19	-	-	-	-	-	-	105	21
Nevada-----	1	-	9	9	-	-	-	-	-	-	-	23
PACIFIC-----	26	10	460	266	17	4	8	6	-	1	2,181	3,520
Washington-----	-	-	21	23	-	-	-	-	-	-	508	576
Oregon-----	6	1	33	23	1	1	1	-	-	-	66	220
California-----	20	9	406	220	13	3	7	6	-	1	1,607	2,724
Alaska-----	-	-	1	6	-	-	-	-	-	-	12	20
Hawaii-----	1	-	44	8	-	-	-	-	-	-	31	234
Puerto Rico-----	-	14	5	311	-	14	-	-	-	-	16	126

¹Includes cases not specified by type, category number 080.5.²Includes delayed cases with onset late in 1954.

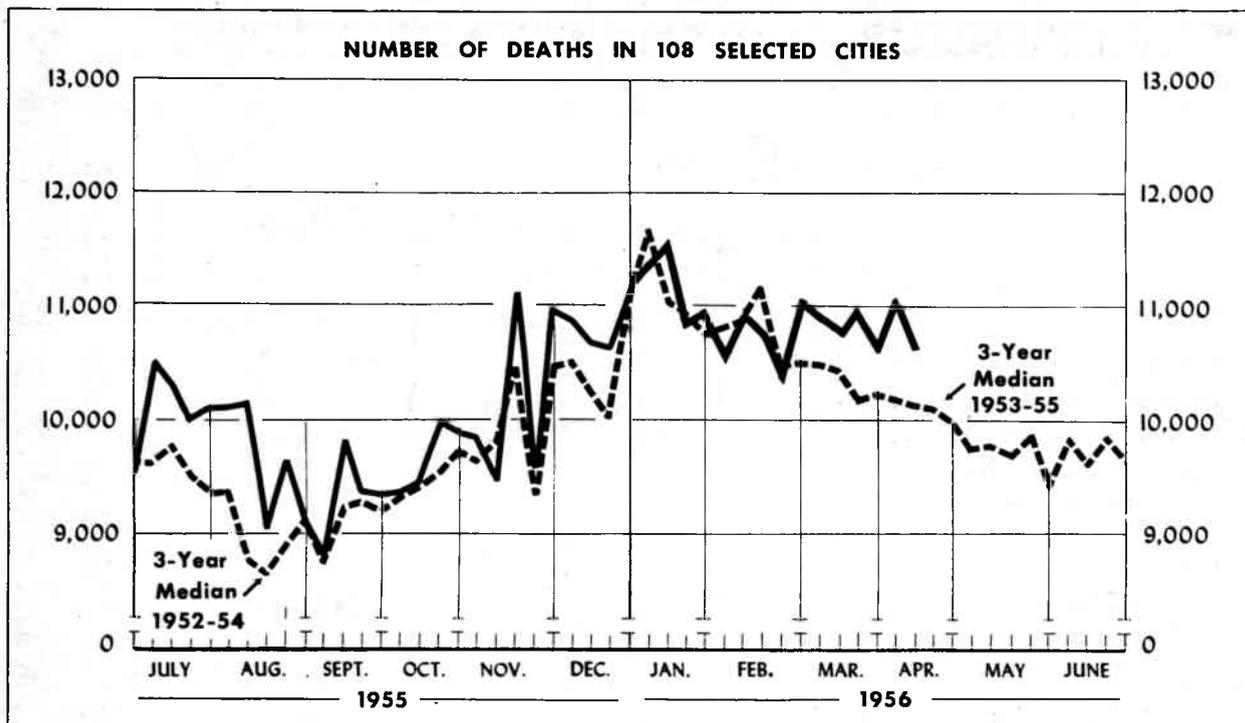
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED APRIL 16, 1955 AND APRIL 14, 1956—Continued

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

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	057			096.2		15th week		Cumulative first 15 weeks			101	1956
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1956		
CONT. UNITED STATES-----	59	71	31	9	5	28	27	381	361	-	166	146
NEW ENGLAND-----	1	8	2	1	-	-	-	16	5	-	-	-
Maine-----	-	-	-	1	-	-	-	9	1	-	-	-
New Hampshire-----	1	3	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	1	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	1	-	-	-	-	-	2	4	-	-	-
Rhode Island-----	-	1	2	-	-	-	-	1	-	-	-	-
Connecticut-----	-	2	-	-	-	-	-	4	-	-	-	-
MIDDLE ATLANTIC-----	4	15	-	1	1	3	2	51	48	-	9	15
New York-----	-	6	-	1	-	-	-	17	8	-	9	10
New Jersey-----	3	3	-	-	-	-	-	3	6	-	-	-
Pennsylvania-----	1	6	-	-	1	3	2	31	34	-	-	5
EAST NORTH CENTRAL-----	15	17	13	2	-	7	1	55	37	-	5	13
Ohio-----	3	6	-	-	-	1	-	13	21	-	-	6
Indiana-----	3	2	-	2	-	-	-	6	-	-	5	3
Illinois-----	4	3	13	-	-	-	-	5	8	-	-	2
Michigan-----	3	3	-	-	-	1	1	11	6	-	-	-
Wisconsin-----	2	3	-	-	-	5	-	20	2	-	-	2
WEST NORTH CENTRAL-----	2	3	1	-	1	2	2	56	22	-	23	16
Minnesota-----	-	-	-	-	-	1	-	25	1	-	1	-
Iowa-----	-	-	1	-	-	-	1	7	7	-	14	10
Missouri-----	1	2	-	-	-	1	1	12	8	-	7	4
North Dakota-----	1	-	-	-	1	-	-	4	-	-	1	1
South Dakota-----	-	-	-	-	-	-	-	2	3	-	-	-
Nebraska-----	-	-	-	-	-	-	-	6	2	-	-	1
Kansas-----	-	1	-	-	-	-	-	-	1	-	-	-
SOUTH ATLANTIC-----	13	12	-	4	2	4	3	56	64	-	36	32
Delaware-----	-	-	-	-	-	-	-	1	-	-	-	-
Maryland-----	1	2	-	-	-	1	-	3	1	-	-	-
District of Columbia-----	-	-	-	-	-	1	-	5	2	-	-	-
Virginia-----	4	2	-	2	-	1	-	4	16	-	12	8
West Virginia-----	-	-	-	-	-	-	1	6	6	-	5	8
North Carolina-----	3	3	-	2	-	-	1	10	6	-	2	6
South Carolina-----	-	1	-	-	2	1	-	9	7	-	14	6
Georgia-----	2	2	-	-	-	-	-	9	13	-	1	4
Florida-----	3	2	-	-	-	-	1	9	13	-	2	-
EAST SOUTH CENTRAL-----	5	8	12	-	-	-	1	36	44	-	15	29
Kentucky-----	2	4	5	-	-	-	1	7	30	-	5	8
Tennessee-----	-	2	2	-	-	-	-	20	6	-	-	4
Alabama-----	2	1	-	-	-	-	-	2	7	-	9	16
Mississippi-----	1	1	5	-	-	-	-	7	1	-	1	1
WEST SOUTH CENTRAL-----	11	5	3	1	-	10	14	67	83	-	68	32
Arkansas-----	-	-	1	-	-	2	2	12	16	-	8	4
Louisiana-----	3	2	-	-	-	3	6	12	25	-	345	-
Oklahoma-----	2	1	2	-	-	2	3	10	10	-	-	-
Texas-----	6	2	-	1	-	3	3	33	32	-	15	28
MOUNTAIN-----	3	1	-	-	-	-	2	12	28	-	1	2
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-
Idaho-----	-	-	-	-	-	-	-	1	2	-	-	-
Wyoming-----	1	-	-	-	-	-	-	-	2	-	-	-
Colorado-----	-	1	-	-	-	-	-	3	1	-	-	-
New Mexico-----	1	-	-	-	-	-	1	5	14	-	1	1
Arizona-----	-	-	-	-	-	-	1	2	8	-	-	1
Utah-----	1	-	-	-	-	-	-	-	1	-	-	-
Nevada-----	-	-	-	-	-	-	-	1	-	-	-	-
PACIFIC-----	5	2	-	-	1	2	2	32	30	-	9	7
Washington-----	-	2	-	-	-	-	-	-	-	-	-	-
Oregon-----	1	-	-	-	-	-	-	4	3	-	-	-
California-----	4	-	-	-	1	2	2	28	27	-	9	7
Alaska-----	1	-	-	-	-	-	-	-	2	-	-	-
Hawaii-----	1	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	1	-	-	2	-	16	22	1	-	1

^aIncludes delayed cases.



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 with a weekly average of 50 deaths, 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	15th week ended Apr. 14, 1956	14th week ended Apr. 7, 1956	15th week median 1953-55	Percent change, median to current week	CUMULATIVE NUMBER FIRST 15 WEEKS		
					1956	1955	Percent change
TOTAL: 104 REPORTING CITIES-----	10,328	10,883	9,865	+4.7	158,826	154,830	+2.6
New England----- (14 cities)	666	803	703	-5.3	10,826	11,198	-3.3
Middle Atlantic----- (17 cities)	3,205	3,285	3,005	+6.7	47,621	47,596	+0.1
East North Central----- (16 cities)	2,075	2,131	2,013	+3.1	32,032	30,731	+4.2
West North Central----- (9 cities)	674	787	735	-8.3	11,584	11,053	+4.8
South Atlantic----- (9 cities)	821	785	765	+7.3	12,742	11,862	+7.4
East South Central----- (8 cities)	515	485	464	+11.0	7,502	7,296	+2.8
West South Central----- (12 cities)	747	985	693	+7.8	12,407	11,641	+6.6
Mountain----- (8 cities)	275	284	257	+7.0	3,892	3,807	+2.2
Pacific----- (11 cities)	1,350	1,338	1,278	+5.6	20,220	19,646	+2.9

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Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED APRIL 14, 1956

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

CITY	15th week ended Apr. 14, 1956	14th week ended Apr. 7, 1956	CUMULATIVE NUMBER FIRST 15 WEEKS		CITY	15th week ended Apr. 14, 1956	14th week ended Apr. 7, 1956	CUMULATIVE NUMBER FIRST 15 WEEKS	
			1956	1955				1956	1955
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	218	247	3,710	3,882	St. Louis, Mo.-----	181	229	3,795	3,366
Bridgeport, Conn.-----	30	57	554	592	St. Paul, Minn.-----	58	80	1,007	1,012
Cambridge, Mass.-----	33	37	494	444	Wichita, Kans.-----	50	36	621	577
Fall River, Mass.-----	40	39	450	463	SOUTH ATLANTIC				
Hartford, Conn.-----	54	58	735	766	Atlanta, Ga.-----	117	101	1,748	1,563
Lowell, Mass.-----	31	22	375	369	Baltimore, Md.-----	242	224	3,655	3,512
Lynn, Mass.-----	21	31	319	386	Charlotte, N. C.-----	32	25	488	482
New Bedford, Mass.-----	27	31	379	381	Jacksonville, Fla.-----	(43)	(51)	(822)	(735)
New Haven, Conn.-----	43	65	777	711	Miami, Fla.-----	42	43	816	795
Providence, R. I.-----	59	83	981	1,046	Norfolk, Va.-----	21	35	525	524
Somerville, Mass.-----	18	17	246	259	Richmond, Va.-----	67	83	1,111	1,028
Springfield, Mass.-----	37	47	663	677	Savannah, Ga.-----	(38)	(32)	(437)	(445)
Waterbury, Conn.-----	21	18	382	394	Tampa, Fla.-----	72	58	947	887
Worcester, Mass.-----	34	51	761	828	Washington, D. C.-----	179	176	2,892	2,514
MIDDLE ATLANTIC					Wilmington, Del.-----	49	40	560	557
Albany, N. Y.-----	56	51	792	718	EAST SOUTH CENTRAL				
Allentown, Pa.-----	(31)	(52)	(577)	(568)	Birmingham, Ala.-----	81	73	1,214	1,236
Buffalo, N. Y.-----	122	143	2,181	2,124	Chattanooga, Tenn.-----	50	49	656	697
Camden, N. J.-----	41	33	590	601	Knoxville, Tenn.-----	42	28	582	530
Elizabeth, N. J.-----	35	30	461	447	Louisville, Ky.-----	113	112	1,684	1,705
Erie, Pa.-----	26	34	527	553	Memphis, Tenn.-----	116	93	1,569	1,487
Jersey City, N. J.-----	82	100	1,193	1,144	Mobile, Ala.-----	36	36	517	441
Newark, N. J.-----	115	99	1,523	1,640	Montgomery, Ala.-----	29	41	443	407
New York City, N. Y.-----	1,703	1,736	24,613	25,125	Nashville, Tenn.-----	48	53	837	793
Paterson, N. J.-----	43	53	583	616	WEST SOUTH CENTRAL				
Philadelphia, Pa.-----	516	523	7,693	7,530	Austin, Tex.-----	27	30	478	396
Pittsburgh, Pa.-----	177	181	2,955	2,770	Baton Rouge, La.-----	21	23	333	338
Reading, Pa.-----	(29)	(25)	(341)	(361)	Corpus Christi, Tex.-----	12	20	285	270
Rochester, N. Y.-----	86	111	1,518	1,462	Dallas, Tex.-----	88	112	1,577	1,477
Schenectady, N. Y.-----	18	21	352	350	El Paso, Tex.-----	21	34	422	440
Scranton, Pa.-----	(50)	(36)	(532)	(538)	Fort Worth, Tex.-----	56	77	918	847
Syracuse, N. Y.-----	60	61	935	865	Houston, Tex.-----	152	211	2,057	1,989
Trenton, N. J.-----	53	37	708	735	Little Rock, Ark.-----	37	49	724	643
Utica, N. Y.-----	41	32	494	459	New Orleans, La.-----	154	210	2,596	2,359
Yonkers, N. Y.-----	31	40	503	457	Oklahoma City, Okla.-----	53	67	968	875
EAST NORTH CENTRAL					San Antonio, Tex.-----	84	100	1,350	1,371
Akron, Ohio-----	61	63	815	827	Shreveport, La.-----	42	52	699	636
Canton, Ohio-----	32	27	417	405	Tulsa, Okla.-----	---	(55)	---	(711)
Chicago, Ill.-----	759	787	11,718	11,065	MOUNTAIN				
Cincinnati, Ohio-----	142	158	2,476	2,360	Albuquerque, N. Mex.-----	29	39	369	405
Cleveland, Ohio-----	(244)	---	---	(3,067)	Colorado Springs, Colo.-----	15	17	217	210
Columbus, Ohio-----	113	124	1,724	1,664	Denver, Colo.-----	109	130	1,701	1,746
Dayton, Ohio-----	67	73	1,039	1,002	Ogden, Utah-----	9	17	189	154
Detroit, Mich.-----	318	346	5,057	5,029	Phoenix, Ariz.-----	30	30	426	378
Evansville, Ind.-----	35	34	542	469	Pueblo, Colo.-----	16	12	196	205
Flint, Mich.-----	43	33	574	552	Salt Lake City, Utah-----	59	36	706	638
Fort Wayne, Ind.-----	36	40	564	500	Tucson, Ariz.-----	8	3	88	71
Gary, Ind.-----	(29)	(33)	(435)	(411)	PACIFIC				
Grand Rapids, Mich.-----	42	46	656	625	Berkeley, Calif.-----	---	(14)	---	(263)
Indianapolis, Ind.-----	135	104	1,818	1,724	Long Beach, Calif.-----	58	43	807	778
Milwaukee, Wis.-----	122	114	1,905	1,846	Los Angeles, Calif.-----	477	500	7,648	7,242
Peoria, Ill.-----	---	(25)	---	(443)	Oakland, Calif.-----	115	75	1,451	1,414
South Bend, Ind.-----	29	18	373	374	Pasadena, Calif.-----	30	42	577	529
Toledo, Ohio-----	91	92	1,497	1,491	Portland, Ore.-----	99	98	1,503	1,417
Youngstown, Ohio-----	50	72	857	798	Sacramento, Calif.-----	54	52	771	747
WEST NORTH CENTRAL					San Diego, Calif.-----	82	72	1,142	1,221
Des Moines, Iowa-----	40	42	776	740	San Francisco, Calif.-----	205	222	3,116	3,020
Duluth, Minn.-----	23	37	378	390	Seattle, Wash.-----	139	151	1,942	2,017
Kansas City, Kans.-----	25	36	456	543	Spokane, Wash.-----	52	44	701	666
Kansas City, Mo.-----	109	128	1,653	1,694	Tacoma, Wash.-----	39	39	562	595
Minneapolis, Minn.-----	123	127	1,890	1,777	Honolulu, Hawaii-----	(33)	(47)	(532)	(555)
Omaha, Nebr.-----	65	72	1,008	954					

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

EPIDEMIOLOGICAL REPORTS—Continued

teriological examination.

Communicable diseases in other areas

A report on the extensive outbreak of infectious hepatitis in New Delhi, India, has been received by the Robert A. Taft Sanitary Engineering Center, Cincinnati. The number of icteric cases is estimated to be between 20,000 and 40,000. The water supply for Delhi is the Jamuna River and is drawn from 2 points, one upstream and the other from the downstream side of the city. About November 13, 1955, heavy sewage contamination was observed near the intake of the upstream waterworks. This condition continued for about 1 week. The routine chemical analysis of the water showed an increasing quantity of chlorides which reached a maximum of 80-90 p. p. m., but bacteriological tests of treated water showed no definite evidence of contamination. Increased amounts of alum were used for coagulation and larger quantities of chlorine were also used for treatment during the period of heavy sewage contamination. Increased incidence of hepatitis became apparent later in December and continued into January 1956. No increase in typhoid fever or other enteric infections was observed following the contamination.

This outbreak is unusual because the infection seems to have been transmitted by water that had been subjected to coagulation, filtration, and chlorination.

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