

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U.S. DEPARTMENT OF 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 13, 1957

Since April 1, the beginning of the poliomyelitis disease year, a total of 1,217 cases has been reported. Of these, 456 or 37 percent were paralytic and 614 or 50 percent were nonparalytic. This is the first year since data by type became available 4 years ago that the paralytic cases have numbered less than the nonparalytic. For the corresponding period of 1956 the proportions were 51 and 33 percent, respectively. In States with 10 or more cases the proportions with paralysis varied from 13 percent in Wisconsin to 78 in Georgia. During the 15-week period of the current disease year only 4 of these States have reported significantly more paralytic than nonparalytic cases. These were Texas with 179 paralytic cases compared with 145 nonparalytic; Georgia, 18 paralytic and 1 nonparalytic; South Carolina, 17 paralytic and 14 nonparalytic; and Kentucky, 6 paralytic and 2 nonparalytic. In 1956, many

States reported more paralytic than nonparalytic; only 10 States reported less paralytic.

By this time in 1956 a relatively large outbreak of poliomyelitis was in progress in Chicago, and in 1955 a number of unusual occurrences of the disease had been reported. Similar occurrences of outbreaks in previous years made their appearances by the second week in July. However, to date in 1957 no outbreak has come to our attention except a small group of cases of febrile illness resembling nonparalytic poliomyelitis in Tennessee.

Mortality

The rise in the numbers of deaths reported by the major cities (see chart on page 6) for the week ended July 13 fol-

Continued on page 2

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	28th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended July 13, 1957	Ended July 14, 1956	Median 1952-56	First 28 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	11	1	-	12	29	19	(2)	(2)	(2)	(2)
Botulism-----049.1	-	1	-	1	3	6	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	22	22	32	539	544	849	(2)	(2)	(2)	(2)
Diphtheria-----055	26	11	25	495	857	961	31	31	45	July 1
Encephalitis, infectious-----082	41	33	33	786	828	740	226	199	180	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	214	270	464	9,411	12,195	18,386	14,610	19,698	---	Sept. 1
Malaria-----110-117	3	4	23	55	106	266	(2)	(2)	(2)	(2)
Measles-----085	6,281	7,402	5,741	433,641	559,377	559,377	470,845	588,475	588,475	Sept. 1
Meningococcal infections-----057	43	40	55	1,452	1,750	2,752	2,183	2,673	3,981	Sept. 1
Meningitis, other-----340	45	21	---	981	783	---	---	---	---	---
Poliomyelitis-----080	186	436	767	1,743	3,363	5,338	1,217	2,296	3,989	Apr. 1
Paralytic-----080.0,080.1	56	212	---	730	1,739	---	456	1,156	---	Apr. 1
Nonparalytic-----080.2	103	159	---	777	1,062	---	614	777	---	Apr. 1
Unspecified-----080.3	27	65	---	236	562	---	147	363	---	Apr. 1
Pellagra-----096.2	1	9	5	159	290	168	(2)	(2)	(2)	(2)
Rabies in man-----094	-	1	-	3	6	4	(2)	(2)	(2)	(2)
Typhoid fever-----040	50	27	52	614	909	937	357	597	597	Apr. 1
Typhus fever, endemic-----101	3	7	7	62	59	91	37	40	60	Apr. 1
Rabies in animals-----	72	75	106	2,690	2,944	4,303	3,654	3,971	5,818	Oct. 1

¹Reported in Pennsylvania.

²Data show no pronounced seasonal change in incidence.

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

lows the sharp drop for the preceding week. Whenever a holiday falls on the last day or on the next to the last day of the workweek, the number of death certificates received for that week is usually low, while the number for the following week is high.

In the chart on page 6 the number of deaths reported for 114 major cities of the United States by week for 1957 is compared with the median of the number of deaths reported for the corresponding weeks of 1954-56. Except for the sharp drops in the weeks of Washington's Birthday, Memorial Day, and Independence Day, the curve for 1957 has remained consistently above the median. In the first 28 weeks of this year, a total of 307,146 deaths was reported by the major cities, about 5 percent more than the total of 293,622 deaths for the 28 corresponding weekly medians. For the first 24 weeks of this year, before the sudden increase in the third week in June, the weekly totals were close to the number of deaths reported in the corresponding week of 1956. In this 24-week period, 264,551 deaths were reported in 1957, about 2 percent more than the 260,166 deaths reported in 1956. For the 4-week period ending July 13, 42,595 deaths were reported in 1957, about 8 percent more than the 39,402 deaths in 1956.

EPIDEMIOLOGICAL REPORTS

Influenza

The outbreak of influenza that occurred in a youth conference group in Grinnell, Iowa, did not terminate when the delegates left to return to their respective homes. As previously reported 15 of those in attendance became ill on the train and were hospitalized in Chicago. Dr. R. E. Teague, Kentucky Commissioner of Health, reports that about 30 returned to Lexington and Louisville on July 2 and that 8 had symptoms on arrival. About 20 others became ill in the following week. Dr. John Mason, New Mexico Department of Public Health, states that 3 who returned to New Mexico developed the disease shortly after arrival. One secondary case in the family of 1 of the cases has been found. Dr. S. H. Osborn, Connecticut Commissioner of Health, has reported 2 suspect cases who returned from Grinnell by automobile with 7 other young people and 2 adults. One became ill enroute home on July 3 and the second case developed symptoms about a week later. It was also stated that a young man from Rhode Island who traveled with the party had a mild type of illness on July 4. Dr. Charlotte Silverman, Maryland State Department of Health, reports that a 16-year-old girl became ill on the train when returning to her home in Montgomery County. Dr. A. L. Marshall, Indiana State Board of Health, says that several persons in the State were ill after returning from Grinnell. Dr. A. P. McKee, University of Iowa, has isolated strains of virus from several throat washings taken in Grinnell, which are antigenically similar to Far East strains. Dr. S. S. Chapman, Kentucky State Department of Health, has reported similar findings on throat washings taken from persons who returned to that State. Laboratory studies on the group in Chicago are still in progress according to Dr. H. J. Shaughnessy. Reports are not yet available for the cases in New Mexico, Maryland, Indiana, and Connecticut.

Dr. A. A. Jenkins, Utah Department of Health, reports that 12 contacts of the group in Salt Lake City reported last week as having influenza have developed a similar type of illness. A report of the laboratory findings in this outbreak indicate that a virus resembling the Far East strain was the etiologic agent.

Information has been received that an Influenza-like disease developed on a military installation in Texas following

transfer of personnel from San Diego. In the San Diego outbreak, 32 strains of influenza A virus were isolated by Dr. C. G. Loosli, University of Chicago, from 50 throat washings. He reports that 20 thus far have been shown to be closely related to the A/Japan/305/57 strain. Hemagglutination inhibition with the 20 strains did not occur when A/Denver/1/57 and B/Great Lakes/1739/54 antisera were employed.

Dr. James Culver, California State Department of Public Health, reports the isolation of a virus serologically related to the Far East strain and has found that 12 of 26 paired blood specimens from influenza cases at Fort Ord have shown diagnostic titer rises in complement fixation tests carried out with A/Japan/307/57 antigen.

Dr. H. M. Hardwicke, Missouri Department of Public Health and Welfare, has reported the occurrence of an unusual number of illnesses in Columbia, which are characterized by sudden onset, fever, muscle pains, dry cough, nausea, and loss of appetite. Since there was considerable diversity of symptoms in different patients it was suspected that more than one type of infection might be present in the community. It is estimated that there have been 200 to 300 cases, mostly in children, and that the peak of the epidemic has been reached.

Dr. W. S. Jordan, Western Reserve University, Cleveland, Ohio, has reported the isolation of a second strain of the Far East influenza virus in Cleveland.

Psittacosis

The California State Department of Public Health has reported 2 cases of psittacosis in persons living in contiguous counties. One was in a stock clerk for a pet shop and is the second case this year in an employee of this pet shop. No birds in the shop were examined for psittacosis virus. The other case was in a woman who owned a parakeet. This bird was found to be positive for the disease by animal inoculation.

Shigellosis

Dr. Mason Romaine, Virginia State Department of Health, has reported an outbreak of shigellosis among students in a college. The outbreak coincided with examinations at the end of the school year, and many cases probably were not reported. Followup studies were difficult because of the wide and rapid dispersal of the students. Eighty cases were reported and stool specimens were collected from 13. Of these, 9 were positive for *Shigella flexneri*. Epidemiological investigation revealed that the most likely vehicle was a meal served in the college dining hall. The source of infection was thought to be a mild or convalescent case having access to the food in the hall before it was served. The exact meal was not determined, nor was any single foodhandler incriminated.

Gastro-enteritis

Dr. Ralph H. Heeren, Iowa State Department of Health, has reported 3 cases of gastro-enteritis in a private household. Those ill were the housewife and 2 of her guests. The vehicle of infection was ham in sandwiches. Bacteriologic examination of the meat showed the presence of large numbers of toxin forming *Staphylococcus aureus*.

Dr. Dean Fisher, Maine Department of Health and Welfare, has reported an outbreak of gastro-enteritis among persons who attended a father and son banquet. Of 160 who attended, 15 became ill with diarrhea and cramps, 10 hours or more after eating turkey with pork and veal stuffing. Other foods eaten were cucumbers, tomatoes, celery, mashed potatoes, green peas, ice cream and crushed strawberries. Bacteriologic examination of the turkey and stuffing showed only unclassified gram-negative bacilli.

Morbidity and Mortality Weekly Report

3

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JULY 14, 1956 AND JULY 13, 1957

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

AREA	BRUCELLOSIS (UNDULANT FEVER)		DIPHTHERIA 055				ENCEPHALITIS, INFECTION		HEPATITIS, INFECTION, AND SERUM 092,N998.5 pt.			
	044		28th week		Cumulative first 28 weeks		082		28th week		Cumulative first 28 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	22	22	26	11	495	857	41	33	214	270	9,411	12,195
NEW ENGLAND-----	-	4	-	-	19	8	-	-	10	12	507	799
Maine-----	-	-	-	-	3	-	-	-	4	2	160	190
New Hampshire-----	-	-	-	-	-	1	-	-	-	-	8	25
Vermont-----	-	3	-	-	-	-	-	-	-	-	86	99
Massachusetts-----	-	-	-	-	16	7	-	-	2	5	139	195
Rhode Island-----	-	-	-	-	-	-	-	-	1	2	40	104
Connecticut-----	-	1	-	-	-	-	-	-	3	3	74	186
MIDDLE ATLANTIC-----	1	1	2	1	54	41	4	11	36	60	1,414	2,615
New York-----	1	1	1	1	28	15	4	10	24	27	834	1,315
New Jersey-----	-	-	-	-	9	12	-	1	4	7	197	228
Pennsylvania-----	-	-	1	-	17	14	-	-	8	26	383	1,072
EAST NORTH CENTRAL-----	2	4	-	1	34	169	8	5	22	28	1,679	1,907
Ohio-----	-	-	-	-	7	13	1	-	5	8	426	470
Indiana-----	-	-	-	-	9	84	2	1	1	2	241	285
Illinois-----	1	-	1	-	3	5	1	2	9	10	352	448
Michigan-----	1	1	-	-	14	65	3	2	2	4	479	500
Wisconsin-----	-	3	-	-	1	2	1	-	5	4	181	204
WEST NORTH CENTRAL-----	13	6	2	-	41	84	2	2	9	16	568	1,048
Minnesota-----	1	1	-	-	21	25	-	-	2	7	203	315
Iowa-----	9	4	-	-	4	17	-	-	-	3	133	287
Missouri-----	-	-	-	-	1	9	-	-	2	1	101	55
North Dakota-----	-	1	-	-	3	-	-	-	1	1	72	83
South Dakota-----	1	-	1	-	6	5	-	-	1	3	26	127
Nebraska-----	-	-	-	-	2	25	-	-	1	1	14	84
Kansas-----	2	-	1	-	4	3	2	2	2	-	19	97
SOUTH ATLANTIC-----	4	4	2	3	139	166	4	3	17	31	702	759
Delaware-----	-	-	-	-	-	-	-	-	1	-	6	23
Maryland-----	-	1	-	-	1	-	-	-	-	1	74	67
District of Columbia-----	-	-	-	-	-	1	-	-	1	1	9	12
Virginia-----	1	1	-	-	6	21	2	-	6	6	279	300
West Virginia-----	-	-	-	-	3	5	-	-	-	6	52	40
North Carolina-----	1	1	-	-	18	24	1	-	1	1	57	70
South Carolina-----	-	-	-	2	23	38	1	2	-	4	19	48
Georgia-----	2	-	2	-	31	30	-	1	2	8	79	103
Florida-----	-	1	-	1	57	47	-	-	6	4	127	96
EAST SOUTH CENTRAL-----	-	2	1	2	68	114	2	1	41	12	1,317	1,043
Kentucky-----	-	1	-	-	12	8	-	-	10	4	574	321
Tennessee-----	-	-	-	-	7	19	-	-	18	-	495	467
Alabama-----	-	1	1	1	29	54	-	1	9	5	159	108
Mississippi-----	-	-	-	1	20	33	2	-	4	3	89	147
WEST SOUTH CENTRAL-----	2	1	4	4	104	215	4	1	21	22	682	915
Arkansas-----	-	-	-	-	8	17	-	-	2	-	55	85
Louisiana-----	-	-	1	-	9	22	-	-	3	4	39	86
Oklahoma-----	1	1	-	1	15	55	-	-	3	6	87	67
Texas-----	1	-	3	3	72	121	4	1	13	12	501	677
MOUNTAIN-----	-	-	4	-	19	19	-	-	20	12	834	1,115
Montana-----	-	-	1	-	4	-	-	-	2	4	114	292
Idaho-----	-	-	-	-	1	1	-	-	2	1	57	149
Wyoming-----	-	-	-	-	1	3	-	-	-	-	38	62
Colorado-----	-	-	-	-	2	3	-	-	5	3	120	240
New Mexico-----	-	-	-	-	7	4	-	-	6	1	297	101
Arizona-----	-	-	2	-	3	5	-	-	5	3	155	219
Utah-----	-	-	1	-	1	3	-	-	-	-	31	50
Nevada-----	-	-	-	-	-	-	-	-	-	-	22	2
PACIFIC-----	-	-	11	-	17	41	17	10	38	77	1,708	1,994
Washington-----	-	-	11	-	11	5	-	1	3	25	228	435
Oregon-----	-	-	-	-	2	10	-	1	4	13	324	389
California-----	-	-	-	-	4	26	17	8	31	39	1,156	1,170
Alaska-----	-	-	-	6	-	6	-	-	2	2	54	60
Hawaii-----	-	-	-	-	-	-	1	-	-	-	25	29
Puerto Rico-----	-	-	1	3	31	44	-	-	4	7	102	144

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JULY 14, 1956 AND JULY 13, 1957—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	
	28th week		Cumulative first 28 weeks		080.0,080.1		080.2					
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	186	436	1,743	3,363	56	212	103	159	3	4	6,281	7,402
NEW ENGLAND-----	2	6	16	69	-	1	1	5	-	-	567	168
Maine-----	-	1	1	11	-	-	-	1	-	-	133	18
New Hampshire-----	-	-	-	2	-	-	-	-	-	-	-	17
Vermont-----	-	-	2	11	-	-	-	-	-	-	11	24
Massachusetts-----	-	3	4	30	-	1	-	2	-	-	199	74
Rhode Island-----	-	-	-	2	-	-	-	-	-	-	16	4
Connecticut-----	2	2	9	13	-	-	1	2	-	-	208	31
MIDDLE ATLANTIC-----	5	21	57	192	2	8	3	11	-	-	1,507	2,401
New York-----	4	18	39	133	1	7	3	11	-	-	1,037	1,566
New Jersey-----	1	1	7	24	1	1	-	-	-	-	316	343
Pennsylvania-----	-	2	11	35	-	-	-	-	-	-	154	492
EAST NORTH CENTRAL-----	25	140	155	464	4	84	9	34	-	-	1,209	1,588
Ohio-----	8	14	33	64	1	3	1	4	-	-	63	261
Indiana-----	-	4	25	31	-	1	-	-	-	-	66	110
Illinois-----	7	104	27	235	2	75	2	26	-	-	156	265
Michigan-----	3	12	46	79	1	5	2	3	-	-	155	484
Wisconsin-----	7	6	24	55	-	-	4	1	-	-	769	468
WEST NORTH CENTRAL-----	5	37	114	191	2	11	2	16	1	1	194	136
Minnesota-----	-	3	4	26	-	1	-	2	-	-	11	14
Iowa-----	2	10	15	50	1	2	1	8	-	-	93	70
Missouri-----	2	9	35	54	1	2	-	3	-	1	8	17
North Dakota-----	-	-	1	6	-	-	-	-	-	-	71	19
South Dakota-----	-	-	5	10	-	-	-	-	-	-	6	9
Nebraska-----	1	3	35	17	-	-	1	3	-	-	5	5
Kansas-----	-	12	19	28	-	6	-	-	1	-	-	2
SOUTH ATLANTIC-----	42	39	251	312	10	12	25	18	1	-	489	847
Delaware-----	-	1	2	5	-	1	-	-	-	-	1	14
Maryland-----	-	-	4	14	-	-	-	-	-	-	44	22
District of Columbia-----	-	-	-	1	-	-	-	-	-	-	25	13
Virginia-----	7	11	29	34	4	7	3	4	-	-	73	238
West Virginia-----	1	4	8	18	-	1	-	3	-	-	42	64
North Carolina-----	7	6	40	51	-	2	7	4	-	-	43	54
South Carolina-----	9	2	66	27	1	-	5	1	-	-	126	153
Georgia-----	4	7	34	31	2	-	-	1	-	-	32	205
Florida-----	14	8	68	131	3	1	10	5	1	-	103	84
EAST SOUTH CENTRAL-----	16	13	152	155	5	3	10	6	-	1	300	532
Kentucky-----	5	3	15	48	4	-	1	3	-	-	75	118
Tennessee-----	7	5	68	28	1	3	5	2	-	-	63	262
Alabama-----	-	1	20	11	-	-	-	-	-	1	153	131
Mississippi-----	4	4	49	68	-	-	4	1	-	-	9	21
WEST SOUTH CENTRAL-----	48	99	562	898	20	47	27	43	-	1	512	589
Arkansas-----	3	4	33	27	-	-	3	4	-	1	25	57
Louisiana-----	2	26	86	195	-	21	2	5	-	-	28	66
Oklahoma-----	5	9	35	62	1	-	3	-	-	-	57	23
Texas-----	38	60	408	614	19	26	19	34	-	-	402	443
MOUNTAIN-----	7	16	103	174	1	4	2	5	-	1	463	337
Montana-----	-	1	3	11	-	-	-	1	-	-	41	75
Idaho-----	1	7	5	28	-	3	-	1	-	-	51	42
Wyoming-----	-	-	6	7	-	-	-	-	-	-	70	84
Colorado-----	-	1	16	22	-	-	-	1	-	1	47	37
New Mexico-----	3	-	19	18	-	-	1	-	-	-	81	54
Arizona-----	2	3	27	57	1	1	1	2	-	-	102	31
Utah-----	-	4	23	18	-	-	-	-	-	-	71	2
Nevada-----	1	-	4	13	-	-	-	-	-	-	-	-
PACIFIC-----	36	65	333	908	12	42	24	21	1	-	1,040	804
Washington-----	-	4	2	36	-	2	-	-	-	-	174	153
Oregon-----	1	2	23	53	1	1	-	1	-	-	385	41
California-----	35	59	308	819	11	39	24	20	1	-	481	610
Alaska-----	-	-	2	6	-	-	-	-	-	-	19	4
Hawaii-----	-	-	2	49	-	-	-	-	-	-	6	112
Puerto Rico-----	-	1	6	30	-	1	-	-	-	-	48	39

¹Includes cases not specified by type, category number 080.3.

Morbidity and Mortality Weekly Report

5

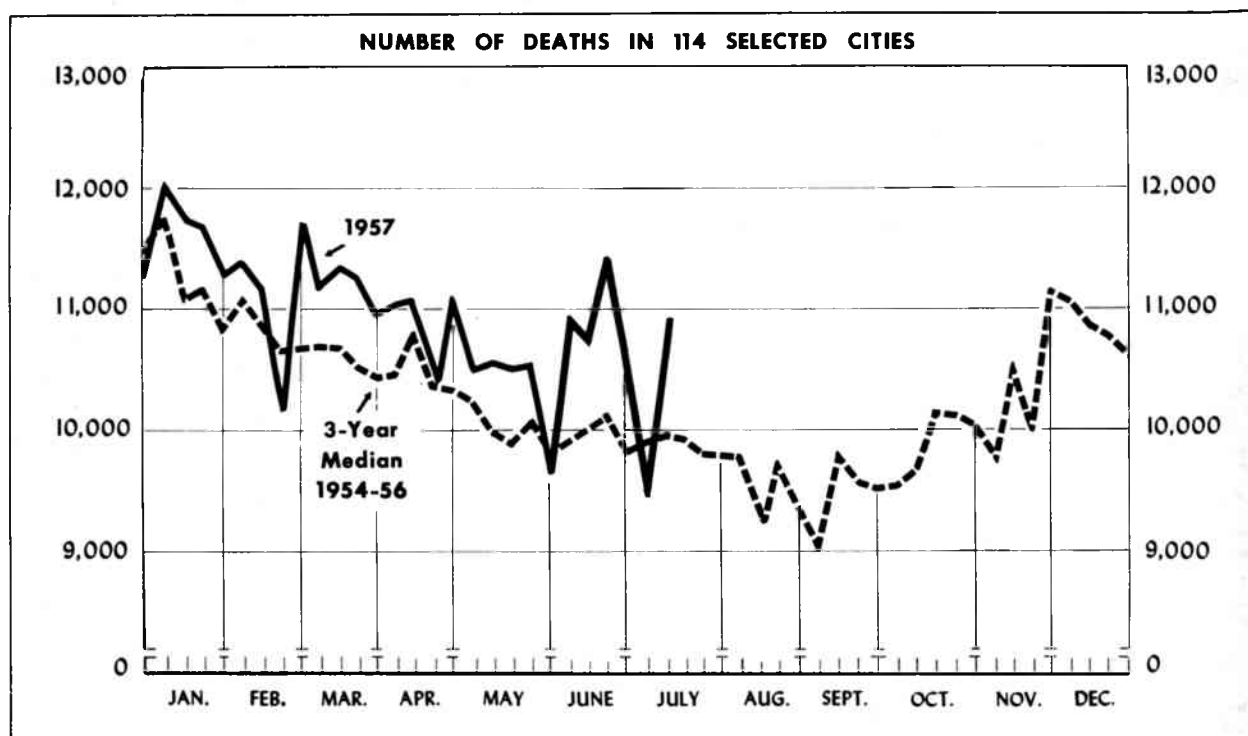
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JULY 14, 1956 AND JULY 13, 1957—Continued

(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			340	096.2		28th week		Cumulative first 28 weeks		101	1957
	1957	1956		1957	1957	1956	1957	1956	1957	1956	1957	
CONT. UNITED STATES-----	43	40	45	1	9	50	27	614	909	3	72	75
NEW ENGLAND-----	2	3	3	-	-	2	-	17	34	-	-	-
Maine-----	-	-	1	-	-	-	-	2	10	-	-	-
New Hampshire-----	-	-	-	-	-	1	-	2	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	1	-	-	-
Massachusetts-----	2	3	1	-	-	1	-	7	11	-	-	-
Rhode Island-----	-	-	1	-	-	-	-	4	3	-	-	-
Connecticut-----	-	-	-	-	-	-	-	2	9	-	-	-
MIDDLE ATLANTIC-----	4	6	-	-	2	3	3	66	127	-	5	10
New York-----	2	3	-	-	2	1	1	23	35	-	5	10
New Jersey-----	2	1	-	-	-	-	1	17	15	-	-	-
Pennsylvania-----	-	2	-	-	-	2	1	26	77	-	-	-
EAST NORTH CENTRAL-----	10	8	11	-	1	5	4	67	139	-	10	8
Ohio-----	3	2	-	-	-	3	1	32	30	-	-	-
Indiana-----	1	1	8	-	-	1	1	14	15	-	4	3
Illinois-----	2	3	3	-	1	1	-	8	19	-	2	3
Michigan-----	4	1	-	-	-	-	2	7	34	-	2	-
Wisconsin-----	-	1	-	-	-	-	-	6	41	-	2	2
WEST NORTH CENTRAL-----	-	1	-	-	-	3	3	41	124	-	19	15
Minnesota-----	-	-	-	-	-	-	-	4	32	-	8	6
Iowa-----	-	-	-	-	-	-	2	8	50	-	9	3
Missouri-----	-	-	-	-	-	3	1	21	23	-	-	4
North Dakota-----	-	-	-	-	-	-	-	1	5	-	2	-
South Dakota-----	-	-	-	-	-	-	-	3	2	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	7	-	-	2
Kansas-----	-	1	-	-	-	-	-	4	5	-	-	-
SOUTH ATLANTIC-----	8	6	10	1	2	18	3	130	142	-	13	18
Delaware-----	-	-	-	-	-	-	-	1	1	-	-	2
Maryland-----	1	2	4	-	-	-	-	3	10	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	7	10	-	-	-
Virginia-----	4	-	4	-	1	3	1	23	23	-	6	2
West Virginia-----	-	-	-	1	-	9	-	25	13	-	-	1
North Carolina-----	1	2	-	-	-	-	1	11	19	-	2	-
South Carolina-----	-	-	1	-	-	3	1	9	14	-	3	8
Georgia-----	-	1	1	-	1	1	-	20	30	-	2	3
Florida-----	2	1	-	-	-	2	-	31	22	-	-	2
EAST SOUTH CENTRAL-----	9	3	10	-	-	5	4	100	99	1	16	8
Kentucky-----	1	-	2	-	-	1	3	26	20	-	10	1
Tennessee-----	1	1	3	-	-	4	-	47	45	-	-	2
Alabama-----	6	2	-	-	-	-	-	8	8	1	6	4
Mississippi-----	1	-	5	-	-	-	1	19	26	-	-	1
WEST SOUTH CENTRAL-----	6	4	7	-	-	7	8	127	161	2	7	9
Arkansas-----	-	-	5	-	-	1	2	25	32	-	2	3
Louisiana-----	1	2	-	-	-	3	-	21	28	-	1	6
Oklahoma-----	-	-	2	-	-	-	1	15	21	-	-	-
Texas-----	5	2	-	-	-	3	5	66	80	2	4	-
MOUNTAIN-----	2	3	1	-	-	3	1	28	27	-	-	-
Montana-----	-	1	-	-	-	-	-	2	1	-	-	-
Idaho-----	-	-	-	-	-	1	-	2	2	-	-	-
Wyoming-----	-	1	-	-	-	-	-	2	2	-	-	-
Colorado-----	2	-	-	-	-	-	-	7	7	-	-	-
New Mexico-----	-	-	-	-	-	2	1	10	8	-	-	-
Arizona-----	-	1	1	-	-	-	-	5	5	-	-	-
Utah-----	-	-	-	-	-	-	-	-	1	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	1	-	-	-
PACIFIC-----	2	6	3	-	4	4	1	38	56	-	2	7
Washington-----	-	-	1	-	-	1	-	2	1	-	-	-
Oregon-----	-	-	2	-	4	-	-	3	6	-	-	-
California-----	2	6	-	-	-	3	1	33	49	-	2	7
Alaska-----	-	-	-	-	-	-	-	-	1	-	-	-
Hawaii-----	-	-	-	-	-	-	-	3	-	-	-	-
Puerto Rico-----	-	-	-	-	-	1	1	13	33	-	-	-

Symbol.—1 dash [-]: no cases reported.

Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 114 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 DIVISIONS

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

AREA	28th week ended July 13, 1957	27th week ended July 6, 1957	28th week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 28 WEEKS		
					1957	1956	Percent change
TOTAL: 112 REPORTING CITIES-----	10,871	9,388	9,918	+9.6	305,439	298,645	+2.3
New England----- (14 cities)	688	619	618	+11.3	20,073	19,538	+2.7
Middle Atlantic----- (19 cities)	3,045	2,775	2,784	+9.4	88,534	87,699	+1.0
East North Central----- (19 cities)	2,384	1,902	2,159	+10.4	65,940	65,506	+0.7
West North Central----- (8 cities)	788	651	699	+12.7	20,786	20,293	+2.4
South Atlantic----- (11 cities)	906	858	847	+7.0	25,895	25,084	+3.2
East South Central----- (8 cities)	438	437	521	-15.9	13,584	13,442	+1.1
West South Central----- (13 cities)	1,037	789	787	+31.8	25,604	23,667	+8.2
Mountain----- (8 cities)	278	252	241	+15.4	7,601	7,017	+8.3
Pacific----- (12 cities)	1,307	1,105	1,185	+10.3	37,422	36,399	+2.8

Morbidity and Mortality Weekly Report

7

Table 4. DEATHS IN SELECTED CITIES

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

AREA	28th week ended July 13, 1957	27th week ended July 6, 1957	CUMULATIVE NUMBER FIRST 28 WEEKS		AREA	28th week ended July 13, 1957	27th week ended July 6, 1957	CUMULATIVE NUMBER FIRST 28 WEEKS	
			1957	1956				1957	1956
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	237	222	6,809	6,615	St. Louis, Mo.-----	262	209	6,667	6,714
Bridgeport, Conn.-----	37	45	1,062	1,023	St. Paul, Minn.-----	72	58	1,904	1,875
Cambridge, Mass.-----	30	21	875	867	Wichita, Kans.-----	42	29	1,255	1,155
Fall River, Mass.-----	26	21	776	817	SOUTH ATLANTIC				
Hartford, Conn.-----	63	32	1,426	1,355	Atlanta, Ga.-----	112	93	3,089	3,087
Lowell, Mass.-----	21	25	775	673	Baltimore, Md.-----	242	225	6,846	6,554
Lynn, Mass.-----	13	24	594	614	Charlotte, N. C.-----	40	34	926	872
New Bedford, Mass.-----	22	8	726	654	Jacksonville, Fla.-----	46	55	1,519	1,447
New Haven, Conn.-----	43	43	1,320	1,343	Miami, Fla.-----	51	39	1,388	1,447
Providence, R. I.-----	66	58	1,785	1,775	Norfolk, Va.-----	42	29	1,045	918
Somerville, Mass.-----	11	12	393	471	Richmond, Va.-----	60	91	2,134	2,012
Springfield, Mass.-----	41	40	1,236	1,193	Savannah, Ga.-----	37	30	840	826
Waterbury, Conn.-----	29	10	709	714	Tampa, Fla.-----	49	56	1,787	1,680
Worcester, Mass.-----	49	58	1,587	1,424	Washington, D. C.-----	197	168	5,282	5,260
MIDDLE ATLANTIC					Wilmington, Del.-----	30	38	1,039	981
Albany, N. Y.-----	35	45	1,416	1,391	EAST SOUTH CENTRAL				
Allentown, Pa.-----	40	24	1,073	1,088	Birmingham, Ala.-----	70	72	2,185	2,191
Buffalo, N. Y.-----	64	103	4,019	4,018	Chattanooga, Tenn.-----	41	39	1,312	1,198
Camden, N. J.-----	49	38	1,152	1,109	Knoxville, Tenn.-----	14	33	804	972
Elizabeth, N. J.-----	26	25	816	793	Louisville, Ky.-----	91	70	2,947	3,039
Erie, Pa.-----	37	32	1,011	953	Memphis, Tenn.-----	90	101	2,973	2,810
Jersey City, N. J.-----	86	53	1,962	2,032	Mobile, Ala.-----	25	45	1,018	934
Newark, N. J.-----	122	59	3,003	2,794	Montgomery, Ala.-----	49	19	650	815
New York City, N. Y.-----	1,485	1,372	45,035	44,736	Nashville, Tenn.-----	58	58	1,695	1,483
Paterson, N. J.-----	33	21	1,127	1,027	WEST SOUTH CENTRAL				
Philadelphia, Pa.-----	561	565	13,906	13,798	Austin, Tex.-----	33	17	841	814
Pittsburgh, Pa.-----	195	138	5,109	5,242	Baton Rouge, La.-----	31	19	730	627
Reading, Pa.-----	21	19	668	620	Corpus Christi, Tex.-----	25	12	584	527
Rochester, N. Y.-----	99	86	2,714	2,637	Dallas, Tex.-----	97	98	3,077	2,939
Schenectady, N. Y.-----	25	33	653	649	El Paso, Tex.-----	51	44	868	775
Scranton, Pa.-----	31	31	1,074	1,003	Fort Worth, Tex.-----	68	63	1,746	1,636
Syracuse, N. Y.-----	53	62	1,650	1,669	Houston, Tex.-----	184	141	4,245	3,753
Trenton, N. J.-----	58	43	1,286	1,272	Little Rock, Ark.-----	69	44	1,538	1,299
Utica, N. Y.-----	---	(34)	---	(845)	New Orleans, La.-----	209	97	4,792	4,554
Yonkers, N. Y.-----	25	26	860	868	Oklahoma City, Okla.-----	67	61	1,768	1,742
EAST NORTH CENTRAL					San Antonio, Tex.-----	105	95	2,672	2,457
Akron, Ohio-----	57	50	1,503	1,491	Shreveport, La.-----	46	29	1,330	1,282
Canton, Ohio-----	28	24	875	822	Tulsa, Okla.-----	52	69	1,413	1,262
Chicago, Ill.-----	750	640	21,244	21,174	MOUNTAIN				
Cincinnati, Ohio-----	144	108	4,263	4,345	Albuquerque, N. Mex.-----	22	27	720	639
Cleveland, Ohio-----	203	200	5,883	5,868	Colorado Springs, Colo.-----	12	11	379	362
Columbus, Ohio-----	123	66	3,184	3,045	Denver, Colo.-----	106	92	3,131	3,119
Dayton, Ohio-----	76	62	2,042	1,883	Ogden, Utah-----	19	8	337	353
Detroit, Mich.-----	312	246	9,150	9,105	Phoenix, Ariz.-----	35	34	834	760
Evansville, Ind.-----	19	38	884	954	Pueblo, Colo.-----	13	11	357	347
Flint, Mich.-----	41	40	1,057	1,123	Salt Lake City, Utah-----	45	42	1,234	1,285
Fort Wayne, Ind.-----	34	34	1,011	1,028	Tucson, Ariz.-----	26	27	609	152
Gary, Ind.-----	31	23	831	846	PACIFIC				
Grand Rapids, Mich.-----	35	35	1,148	1,207	Berkeley, Calif.-----	10	12	540	481
Indianapolis, Ind.-----	153	58	3,327	3,344	Long Beach, Calif.-----	48	43	1,532	1,498
Milwaukee, Wis.-----	154	97	3,708	3,511	Los Angeles, Calif.-----	494	399	13,575	13,248
Peoria, Ill.-----	29	31	847	782	Oakland, Calif.-----	105	76	2,741	2,591
South Bend, Ind.-----	25	21	702	679	Pasadena, Calif.-----	44	30	1,011	1,007
Toledo, Ohio-----	114	84	2,700	2,711	Portland, Oreg.-----	76	74	2,676	2,684
Youngstown, Ohio-----	56	45	1,581	1,588	Sacramento, Calif.-----	39	53	1,471	1,366
WEST NORTH CENTRAL					San Diego, Calif.-----	85	62	2,272	2,116
Des Moines, Iowa-----	60	61	1,494	1,447	San Francisco, Calif.-----	180	152	5,449	5,418
Duluth, Minn.-----	34	22	737	770	Seattle, Wash.-----	138	125	3,707	3,615
Kansas City, Kans.-----	---	(24)	---	(874)	Spokane, Wash.-----	56	34	1,329	1,319
Kansas City, Mo.-----	124	116	3,341	3,093	Tacoma, Wash.-----	32	45	1,119	1,056
Minneapolis, Minn.-----	121	107	3,478	3,418	Honolulu, Hawaii-----	(28)	(30)	(1,080)	(994)
Omaha, Nebr.-----	73	49	1,910	1,821					

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

Morbidity and Mortality Weekly Report

EPIDEMIOLOGICAL REPORTS—Continued

NOTICE

It is requested that State health authorities report the occurrence of all outbreaks of influenza and influenza-like disease as promptly as possible to both the National Office of Vital Statistics in Washington, D. C., and the Communicable Disease Center in Atlanta, Georgia. The request for submitting duplicate reports is to be considered temporary. Reports may be sent by teletype or telegram collect. When made in writing, the original report may be sent to one office and a carbon copy to the other.

QUARANTINE MEASURES

Immunization Information for International Travel

Public Health Service Publication No. 384

Asia.—Pakistan (p. 38) has given warning that persons arriving from the West by air must have a valid certificate of vaccination against yellow fever. The requirements for a valid certificate include: vaccination at a designated yellow fever vaccination center; authentication of the certificate by an approved stamp; and information completed as requested on the form. Persons not presenting such a certificate are quarantined.

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, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting on these diseases. In addition, when diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted at the end of table 1.

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