

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

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Provisional Information on Selected Notifiable Diseases in the United States and on

Deaths in Selected Cities for Week Ended August 3, 1957

EPIDEMIOLOGICAL REPORTS

Poliomyelitis

The New York State Department of Health, in a bulletin on poliomyelitis reported in upstate New York, has provided figures by age groups for the period January 1 to July 26, 1957, with comparative data for given previous years. The data for paralytic poliomyelitis are shown below.

	1957	1956	1951-53 average
Under 5 years-----	2	14	39
5-9 years-----	5	17	39
10-14 years-----	2	11	24
15-19 years-----	-	6	16
20-39 years-----	8	24	39
40 years and over-----	2	8	7

According to Dr. G. J. Van Heuvelen, State Health Officer in South Dakota, there have recently been reported 10 cases diagnosed as poliomyelitis and 1 additional case of suspected poliomyelitis in Yankton. Five of the cases have been paralytic, and 2 of these resulted in death. None of the patients have received any poliomyelitis vaccine. None of the cases have been laboratory confirmed, but blood specimens have been submitted for examination.

Influenza

Influenza or influenza-like disease continues to be reported from various parts of the United States. The Texas Department of Health reported that a strain of virus similar to Far East strains was isolated from a Boy Scout who had returned from Valley Forge. Two secondary cases have developed from contact with this case. Over 75 cases of influenza-like illness, mostly among Boy Scouts returning home, were reported in the

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Table I. Cases of Specified Notifiable Diseases: Continental United States

(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	31st WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Aug. 3, 1957 ¹	Ended Aug. 4, 1956	Median 1952-56	First 31 weeks			Since seasonal low week			
				1957 ¹	1956	Median 1952-56	1956-57 ¹	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	2 ¹	-	-	14	29	20	(³)	(³)	(³)	(³)
Botulism-----049.1	-	1	-	1	5	6	(³)	(³)	(³)	(³)
Brucellosis (undulant fever)-----044	17	29	45	597	619	976	(³)	(³)	(³)	(³)
Diphtheria-----055	10	13	26	543	910	1,044	79	84	140	July 1
Encephalitis, infectious-----082	57	58	25	919	977	884	359	348	338	June 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	230	283	473	10,070	13,021	20,061	15,269	20,524	---	Sept. 1
Malaria-----110-117	6	7	37	71	130	357	(³)	(³)	(³)	(³)
Measles-----085	2,701	2,846	2,783	443,590	570,839	570,839	480,794	599,937	599,937	Sept. 1
Meningococcal infections-----057	27	32	54	1,552	1,857	2,908	2,283	2,780	4,137	Sept. 1
Meningitis, other-----340	71	17	---	1,247	873	---	---	---	---	---
Poliomyelitis-----080	297	757	1,497	2,541	5,303	9,381	2,015	4,236	7,708	Apr. 1
Paralytic-----080.0, 080.1	71	350	---	903	2,633	---	629	2,050	---	Apr. 1
Nonparalytic-----080.2	172	297	---	1,267	1,798	---	1,104	1,513	---	Apr. 1
Unspecified-----080.3	54	130	---	371	872	---	282	673	---	Apr. 1
Psittacosis-----096.2	9	29	6	177	342	184	(³)	(³)	(³)	(³)
Rabies in man-----094	-	-	-	3	6	4	(³)	(³)	(³)	(³)
Typhoid fever-----040	46	39	71	730	1,049	1,139	473	737	737	Apr. 1
Typhus fever, endemic-----101	5	3	7	72	67	104	47	48	74	Apr. 1
Rabies in animals-----	73	70	97	2,895	3,170	4,672	3,859	4,197	6,187	Oct. 1

¹Data exclude report from Nevada for the current week.

³Data show no pronounced seasonal change in incidence.

²Reported in Oklahoma.

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

EPIDEMIOLOGICAL REPORTS—Continued

State during the past week. In an earlier report, it was stated that one boy was hospitalized because of possible pneumonia. A report from Minnesota shows that only 1 suspect case among returning Boy Scouts has been seen in that State, but questionnaires to determine the extent of the illness have been sent to 300 of the 1,423 Scouts who were at Valley Forge. Influenza-like illness is being studied in Boy Scouts in other States, including New Mexico and Maryland.

Dr. A. E. Heustis, Michigan Commissioner of Health, has reported an outbreak of influenza in a group of 66 Mexican nationals who arrived by bus on July 27. They had entered at Hidalgo on July 26. Onset of illness in the 12 cases occurred 2 or 3 days after arrival in Michigan. Two strains of influenza A virus resembling Far East strains were isolated by Dr. Davenport at the University of Michigan. It was reported that a similar illness occurred in 2 preceding groups that had passed through the same point of entry.

The California Department of Public Health reports the occurrence of influenza-like disease in 2 children's camps, 1 Air Force Reserve camp, a State hospital, and in 1 housing development. Similar illness is reported to be occurring in the general population of Oakland, Sacramento, Fresno, and San Diego. There have been 6 deaths among civilians presumably associated with influenza. Outbreaks have also been reported during the past week on military installations located in California and Nevada.

A third sporadic case of influenza has been reported by Dr. W. S. Jordan, Western Reserve University, Cleveland, Ohio. This case was in a sister of the second sporadic case in that area. Diagnosis was confirmed by isolation of virus from throat washings in one and serologic tests in the other.

Dr. M. M. Sigel, University of Miami (Florida), has reported influenza-like illness among members of the crew of two airplanes arriving in Miami from Chile. Two strains of influenza A virus resembling the Far East variety have been isolated.

The exact extent of illness due to the new type of influenza A in the United States since the first of June is difficult to determine. Some outbreaks of influenza-like illness as well as some sporadic cases have not been confirmed by laboratory tests. There is reason to believe that many unrecognized cases are also occurring in many parts of the country. Consequently, an accurate estimate of prevalence is not possible at this time.

The Pan American Sanitary Bureau has been advised of an extensive outbreak of influenza in Chile. A small outbreak in a girls' school in Mexico City has been confirmed by virus isolation. It is probable that influenza is now occurring in South Africa.

Pneumonia

Dr. D. S. Fleming, Minnesota State Department of Health, has reported an outbreak of approximately 40 cases of pneumonia at Austin. The first cases were reported early in June, with 6 occurring during the month. An increase was noted in July with 21 cases occurring in the week ended July 27. Cases are limited primarily to adult males who developed sudden onset, chills, fluctuating temperature up to 105° F., headache, and malaise. Physical findings were minimal; however, X-ray examination showed definite areas of consolidation. Most cases showed a definite leucocytosis from 10,000 to 18,000 cells, mostly polymorphonuclear. Symptoms apparently do not respond to penicillin, but with broad spectrum antibiotics the fever returns to normal in a few days. Despite the X-ray findings the patients appear surprisingly well. They are not toxic;

cyanosis is not common; cough and sputum are absent or minimal. There have been 2 deaths in aged persons.

There is no relationship between cases as to employment, residence, common gathering, exposure, or source. Cases are scattered throughout the community of 28,000 persons. No secondary cases have occurred. A special ward has been opened at the local hospital to care for them. The principal industry of Austin is a packing plant. Cases, however, are not limited to employees of the plant, and the employees involved are scattered throughout the plant and in various departments.

Bacteriological and virological studies are in progress.

Anthrax

An outbreak of anthrax in cattle has been in progress in 2 counties located in northeastern Oklahoma. The disease is considered to be endemic in this area. About 200 animals on 46 farms have been affected. A great increase in insect population following floods this past spring is regarded as a factor in spread of the disease in this area. Vaccination is being carried out on a large scale.

Equine encephalomyelitis

Dr. W. H. Y. Smith, Alabama Department of Public Health, has reported an outbreak of equine encephalomyelitis in Autauga County. Eastern equine encephalomyelitis virus was isolated from 2 horses. Approximately 10 other cases in horses have been diagnosed clinically in the area; all have been fatal.

Dr. M. M. Sigel, University of Miami School of Medicine, with the cooperation of the Florida State Board of Health, has obtained eastern equine encephalomyelitis virus from a horse brain. This horse was in Broward County. Previous isolations were from horses in Dade, Lee, and Alachua Counties.

Smallpox and DPT immunization levels

The California State Department of Public Health has issued a report on smallpox and DPT immunization levels of persons living in the State. The information was based on a sample of about 3,500 households and it is representative of the State as a whole and not any particular area. The immunization levels in a given county or city might be much higher or much lower.

Of children under 6 years of age in the sample, 40 percent had never been vaccinated against smallpox, and 24 percent had not received a single DPT immunization. Children in the higher socioeconomic groups (as measured by mother's education and father's occupation) were more likely to have been immunized than children in the lower socioeconomic groups. Better protection against smallpox was found among the 3 to 5-year-olds. Since most children were not receiving their booster doses for DPT, the levels of effective protection were very low for all but the 1-year-olds. For persons 6 years of age and older there was a decreasing effective immunity as age increases. In young adults (20-24 years of age) about 35 percent were effectively immunized against smallpox, but for most other adult age groups only 10 to 15 percent appeared to be effectively immunized. About 18 percent of the young adults had received one or more DPT immunizations, but of the average adults approximately 3 percent were effectively immunized.

Malaria

Dr. G. G. Shields, District Health Officer, Wisconsin State Board of Health, has reported a case of malaria. A blood specimen collected yielded Plasmodium vivax. The patient came into the area from Mexico on June 1, 1957, and became ill 10 days later.

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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 AUGUST 4, 1956 AND AUGUST 3, 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, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		31st week		Cumulative first 31 weeks		082		31st week		Cumulative first 31 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES ¹ -----	17	29	10	13	543	910	57	58	230	283	10,070	13,021
NEW ENGLAND-----	1	1	-	-	19	9	1	-	21	16	544	852
Maine-----	-	-	-	-	3	-	-	-	7	5	175	205
New Hampshire-----	-	-	-	-	-	1	-	-	-	-	8	26
Vermont-----	-	-	-	-	-	-	-	-	-	1	86	102
Massachusetts-----	1	1	-	-	16	8	-	-	9	4	151	211
Rhode Island-----	-	-	-	-	-	-	1	-	5	2	48	114
Connecticut-----	-	-	-	-	-	-	-	-	-	4	76	194
MIDDLE ATLANTIC-----	-	1	1	2	56	43	4	16	51	65	1,539	2,779
New York-----	-	-	-	2	29	17	4	15	34	36	919	1,418
New Jersey-----	-	-	-	-	9	12	-	1	7	6	207	246
Pennsylvania-----	-	1	1	-	18	14	-	-	10	23	413	1,115
EAST NORTH CENTRAL-----	4	3	-	-	37	174	17	17	24	29	1,758	1,996
Ohio-----	-	-	-	-	8	14	4	6	5	8	446	492
Indiana-----	-	-	-	-	9	84	6	4	8	5	254	295
Illinois-----	3	-	-	-	3	8	4	1	4	3	368	462
Michigan-----	-	3	-	-	15	66	3	6	5	5	503	528
Wisconsin-----	1	-	-	-	2	2	-	-	2	8	187	219
WEST NORTH CENTRAL-----	3	11	-	-	47	91	7	3	14	19	594	1,102
Minnesota-----	1	1	-	-	21	25	-	-	9	10	216	339
Iowa-----	-	9	-	-	6	17	4	-	2	4	139	295
Missouri-----	2	1	-	-	1	10	-	-	1	-	104	59
North Dakota-----	-	-	-	-	3	5	-	2	-	1	73	86
South Dakota-----	-	-	-	-	6	6	-	1	-	1	26	133
Nebraska-----	-	-	-	-	6	25	-	-	2	2	16	89
Kansas-----	-	-	-	-	4	3	3	-	-	1	20	101
SOUTH ATLANTIC-----	2	10	6	6	157	185	7	3	21	16	757	815
Delaware-----	-	-	-	-	-	-	-	-	-	-	6	24
Maryland-----	-	1	-	-	1	-	-	-	-	2	80	70
District of Columbia-----	-	-	-	-	-	1	1	-	-	-	9	14
Virginia-----	-	2	-	-	10	21	1	-	15	9	301	322
West Virginia-----	-	-	-	-	4	5	-	-	-	-	60	46
North Carolina-----	2	-	-	-	22	25	3	1	3	-	62	76
South Carolina-----	-	-	1	1	24	44	1	1	-	1	21	50
Georgia-----	-	7	2	2	35	35	-	-	-	-	83	108
Florida-----	-	-	3	3	61	54	1	1	3	3	135	105
EAST SOUTH CENTRAL-----	-	1	-	2	69	120	2	3	15	34	1,388	1,146
Kentucky-----	-	1	-	-	12	8	-	2	5	11	593	355
Tennessee-----	-	-	-	-	7	19	-	-	9	7	529	499
Alabama-----	-	-	1	-	29	59	2	1	-	9	167	136
Mississippi-----	-	-	1	-	21	34	-	-	1	7	99	156
WEST SOUTH CENTRAL-----	5	-	2	2	113	223	11	2	27	21	749	972
Arkansas-----	4	-	-	-	9	17	-	-	2	-	58	88
Louisiana-----	1	-	-	-	9	25	-	-	-	10	40	100
Oklahoma-----	-	-	-	-	16	56	-	-	4	4	93	73
Texas-----	-	-	2	2	79	125	11	2	21	7	558	711
MOUNTAIN ¹ -----	1	-	1	1	20	23	4	-	11	27	890	1,184
Montana-----	-	-	-	-	4	3	1	-	2	4	118	301
Idaho-----	-	-	-	-	1	1	-	-	3	1	61	156
Wyoming-----	-	-	-	-	1	3	1	-	-	-	44	63
Colorado-----	-	-	-	-	2	3	1	-	2	6	138	261
New Mexico-----	-	-	1	1	8	5	-	-	1	3	309	107
Arizona-----	1	-	-	-	3	5	1	-	2	7	163	236
Utah-----	-	-	-	-	1	3	-	-	1	6	35	58
Nevada-----	-	-	-	-	1	-	-	-	-	-	22	2
PACIFIC-----	1	2	-	-	25	42	4	14	46	56	1,851	2,175
Washington-----	-	-	-	-	19	5	-	-	7	10	246	479
Oregon-----	-	1	-	-	2	10	-	-	11	19	352	423
California-----	1	1	-	-	4	27	4	14	28	27	1,253	1,273
Alaska-----	-	-	-	-	2	35	-	-	-	1	255	63
Hawaii-----	-	-	-	-	-	-	1	-	4	-	31	29
Puerto Rico-----	-	-	2	3	33	48	-	-	2	8	116	157

¹Data exclude report for Nevada for the current week.

²Data exclude report for the current week.

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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 AUGUST 4, 1956 AND AUGUST 3, 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 ³				Paralytic		Nonparalytic		110-117		085	
	31st week		Cumulative first 31 weeks		080.0,080.1		080.2		110-117		085	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES ¹ -----	297	757	2,541	5,303	71	330	172	297	6	7	2,701	2,846
NEW ENGLAND-----	7	11	33	96	3	-	4	6	-	-	226	68
Maine-----	1	-	3	11	1	-	-	-	-	-	18	6
New Hampshire-----	1	-	2	2	1	-	-	-	-	-	1	7
Vermont-----	-	1	2	15	-	-	-	1	-	-	21	8
Massachusetts-----	2	5	10	44	1	-	1	4	-	-	107	20
Rhode Island-----	-	4	-	6	-	-	-	-	-	-	10	1
Connecticut-----	3	1	16	18	-	-	3	1	-	-	69	26
MIDDLE ATLANTIC-----	27	41	108	296	5	10	7	14	-	1	466	996
New York-----	15	25	69	201	4	8	7	12	-	-	329	739
New Jersey-----	5	6	18	41	1	2	-	2	-	1	103	99
Pennsylvania-----	7	10	21	54	-	-	-	-	-	-	34	158
EAST NORTH CENTRAL-----	90	270	346	1,087	18	132	47	99	-	-	722	431
Ohio-----	23	30	76	135	3	4	7	9	-	-	67	104
Indiana-----	8	16	42	77	3	9	4	1	-	-	26	42
Illinois-----	20	181	74	654	5	105	10	70	-	-	95	53
Michigan-----	27	26	95	130	6	6	19	15	-	-	113	88
Wisconsin-----	12	17	59	91	1	8	7	4	-	-	421	144
WEST NORTH CENTRAL-----	25	73	184	363	6	13	16	42	-	-	91	83
Minnesota-----	8	6	22	41	1	2	7	4	-	-	1	8
Iowa-----	2	26	21	111	1	1	1	21	-	-	56	40
Missouri-----	7	17	56	107	1	4	4	5	-	-	9	9
North Dakota-----	2	-	3	6	1	-	1	-	-	-	23	8
South Dakota-----	-	4	6	15	-	-	-	4	-	-	-	2
Nebraska-----	1	11	46	32	-	3	1	7	-	-	2	14
Kansas-----	5	9	30	51	2	3	2	1	-	-	-	2
SOUTH ATLANTIC-----	47	59	377	480	16	27	29	24	2	2	172	303
Delaware-----	-	-	2	5	-	-	-	-	-	-	2	3
Maryland-----	1	5	6	25	1	4	-	1	-	1	21	25
District of Columbia-----	6	1	7	2	5	-	1	1	-	1	12	5
Virginia-----	7	12	40	56	1	7	6	5	1	-	33	68
West Virginia-----	3	4	13	32	1	1	1	3	-	-	9	26
North Carolina-----	21	12	109	89	2	7	19	4	-	-	9	24
South Carolina-----	3	2	81	39	2	-	1	2	1	-	41	73
Georgia-----	3	14	39	66	2	4	1	5	-	-	12	24
Florida-----	3	9	80	166	2	4	-	3	-	-	33	55
EAST SOUTH CENTRAL-----	19	19	204	224	5	7	11	5	-	-	147	148
Kentucky-----	7	4	36	69	4	-	3	2	-	-	34	25
Tennessee-----	3	9	68	42	1	5	2	3	-	-	51	76
Alabama-----	2	2	26	23	-	-	-	-	-	-	61	44
Mississippi-----	7	4	74	90	-	2	6	-	-	-	1	3
WEST SOUTH CENTRAL-----	37	117	717	1,260	10	72	24	38	-	2	231	243
Arkansas-----	1	17	43	61	-	11	1	6	-	-	13	9
Louisiana-----	4	41	105	316	1	28	3	13	-	2	-	16
Oklahoma-----	9	12	67	98	1	3	5	2	-	-	8	21
Texas-----	23	47	502	785	8	30	15	17	-	-	210	197
MOUNTAIN ¹ -----	9	47	130	288	2	13	4	7	1	2	261	164
Montana-----	-	1	4	18	-	1	-	-	-	-	69	31
Idaho-----	1	6	10	46	-	3	1	-	-	-	50	25
Wyoming-----	1	2	8	10	-	1	-	-	-	-	-	-
Colorado-----	2	9	19	34	-	4	2	5	-	1	40	19
New Mexico-----	4	4	28	24	2	1	-	1	-	1	31	24
Arizona-----	1	4	32	74	-	3	1	1	1	-	53	37
Utah-----	-	17	25	63	-	-	-	-	-	-	18	27
Nevada-----	---	4	² 4	19	---	-	---	-	---	-	---	1
PACIFIC-----	36	120	442	1,209	6	56	30	62	3	-	385	410
Washington-----	-	6	3	52	-	1	-	3	-	-	66	86
Oregon-----	3	10	33	72	1	4	2	6	-	-	108	22
California-----	33	104	406	1,085	5	51	28	53	3	-	211	302
Alaska-----	---	-	² 2	7	---	-	---	-	---	-	---	68
Hawaii-----	-	1	2	53	-	1	-	-	1	-	9	133
Puerto Rico-----	6	-	14	34	6	-	-	-	-	-	20	44

¹Data exclude report for Nevada for the current week.²Data exclude report for the current week.³Includes cases not specified by type, category number 080.3.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 4, 1956 AND AUGUST 3, 1957—Continued

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

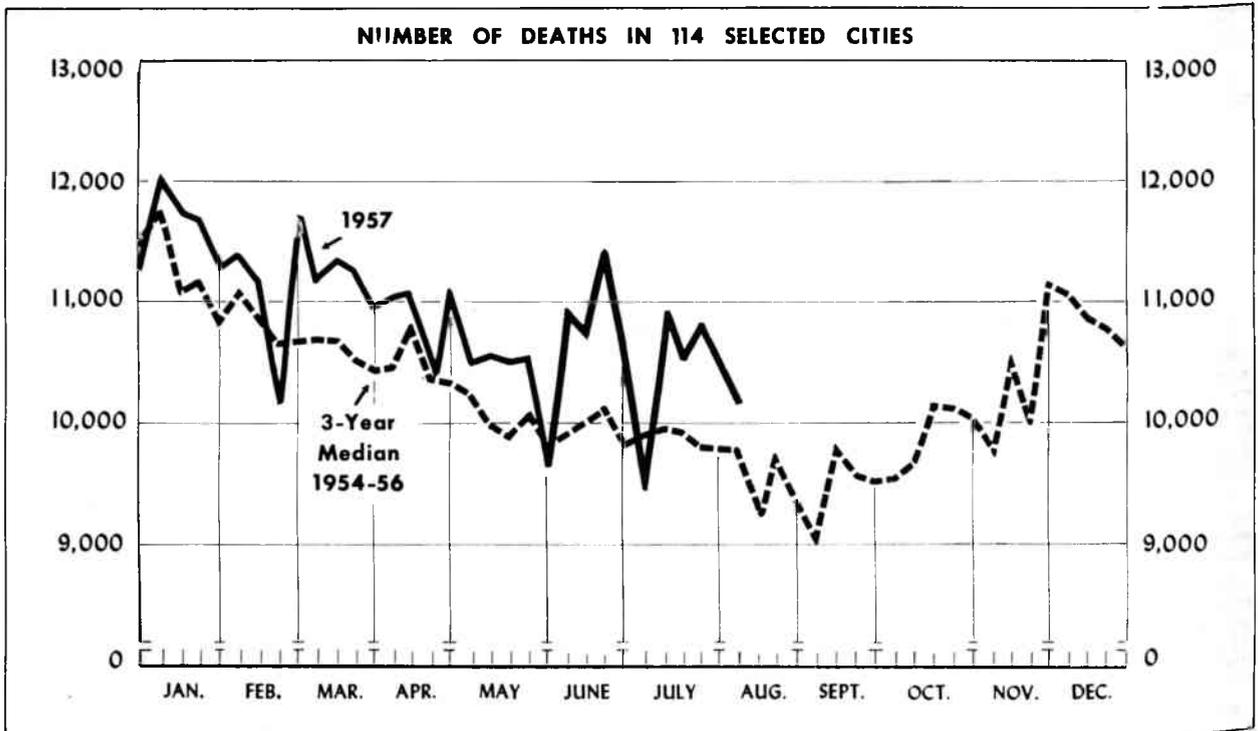
AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
			340	096.2		31st week		Cumulative first 31 weeks		101		
	057	1956	1957	1957	1956	1957	1956	1957	1956	1957	1957	1956
CONT. UNITED STATES ¹ -----	27	32	71	9	29	46	39	730	1,049	5	73	70
NEW ENGLAND-----	2	2	3	-	-	-	1	17	39	-	-	-
Maine-----	1	-	-	-	-	-	1	2	12	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	2	-	-	-	-
Vermont-----	-	1	-	-	-	-	-	-	1	-	-	-
Massachusetts-----	1	1	1	-	-	-	-	7	12	-	-	-
Rhode Island-----	-	-	2	-	-	-	-	4	5	-	-	-
Connecticut-----	-	-	-	-	-	-	-	2	9	-	-	-
MIDDLE ATLANTIC-----	3	3	-	-	-	6	5	78	140	-	3	2
New York-----	1	1	-	-	-	4	-	31	38	-	3	2
New Jersey-----	1	-	-	-	-	-	1	17	17	-	-	-
Pennsylvania-----	1	2	-	-	-	2	4	30	85	-	-	-
EAST NORTH CENTRAL-----	10	7	19	5	1	3	8	78	154	-	24	9
Ohio-----	1	2	-	-	-	1	-	36	31	-	16	-
Indiana-----	1	2	9	-	-	1	1	15	19	-	3	8
Illinois-----	2	2	10	4	1	-	6	11	26	-	5	-
Michigan-----	5	1	-	-	-	1	1	10	37	-	-	-
Wisconsin-----	1	-	-	1	-	-	-	6	41	-	-	1
WEST NORTH CENTRAL-----	-	3	3	2	-	3	5	50	138	-	16	15
Minnesota-----	-	2	-	2	-	-	-	4	32	-	7	6
Iowa-----	-	1	3	-	-	-	2	10	54	-	-	5
Missouri-----	-	-	-	-	-	3	1	27	29	-	8	3
North Dakota-----	-	-	-	-	-	-	-	1	6	-	-	1
South Dakota-----	-	-	-	-	-	-	-	4	3	-	-	-
Nebraska-----	-	-	-	-	-	-	1	-	8	-	1	-
Kansas-----	-	-	-	-	-	-	-	4	6	-	-	-
SOUTH ATLANTIC-----	3	5	29	1	28	8	4	154	167	3	8	27
Delaware-----	-	-	-	-	-	-	-	1	1	-	-	1
Maryland-----	-	-	-	-	-	-	1	3	14	-	-	-
District of Columbia-----	-	-	1	-	-	-	-	7	11	-	-	-
Virginia-----	-	-	27	1	-	2	1	27	27	-	3	2
West Virginia-----	-	-	1	-	-	4	1	38	16	-	-	5
North Carolina-----	2	2	-	-	28	-	-	11	19	-	1	7
South Carolina-----	-	1	-	-	-	2	1	13	16	-	4	7
Georgia-----	1	-	-	-	-	-	-	20	35	3	-	5
Florida-----	-	2	-	-	-	-	-	34	28	-	-	-
EAST SOUTH CENTRAL-----	1	1	11	-	-	5	5	122	124	-	12	9
Kentucky-----	1	-	1	-	-	2	-	36	25	-	7	5
Tennessee-----	-	-	10	-	-	1	2	51	51	-	1	-
Alabama-----	-	1	-	-	-	-	-	9	12	-	4	4
Mississippi-----	-	-	-	-	-	2	3	26	36	-	-	-
WEST SOUTH CENTRAL-----	4	3	2	-	-	16	10	158	191	2	8	5
Arkansas-----	1	-	-	-	-	3	2	29	41	-	1	3
Louisiana-----	1	-	-	-	-	10	2	38	34	-	-	2
Oklahoma-----	-	2	2	-	-	-	2	16	24	-	-	-
Texas-----	2	1	-	-	-	3	4	75	92	2	7	-
MOUNTAIN ¹ -----	-	2	2	-	-	1	1	29	32	-	-	-
Montana-----	-	-	-	-	-	-	-	2	3	-	-	-
Idaho-----	-	-	-	-	-	-	-	2	2	-	-	-
Wyoming-----	-	-	-	-	-	-	-	2	2	-	-	-
Colorado-----	-	1	1	-	-	-	-	7	8	-	-	-
New Mexico-----	-	-	-	-	-	-	1	10	10	-	-	-
Arizona-----	-	1	1	-	-	1	-	6	5	-	-	-
Utah-----	-	-	-	-	-	-	-	-	1	-	-	-
Nevada-----	-	-	-	-	-	-	-	1	1	-	-	-
PACIFIC-----	4	6	2	1	-	4	-	44	64	-	2	3
Washington-----	-	1	2	-	-	-	-	2	1	-	-	-
Oregon-----	-	-	-	1	-	1	-	5	6	-	-	-
California-----	4	5	-	-	-	3	-	37	57	-	2	3
Alaska-----	---	-	---	-	-	---	-	21	1	---	---	-
Hawaii-----	-	-	-	-	-	1	-	4	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	1	13	34	-	-	1

¹Data exclude report for Nevada for the current week.

²Data exclude report for the current week.

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

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	31st week ended Aug. 3, 1957	30th week ended July 27, 1957	31st week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 31 WEEKS		
					1957	1956	Percent change
TOTAL: 111 REPORTING CITIES-----	10,012	10,651	9,675	+3.5	333,326	323,743	+3.0
New England----- (14 cities)	626	663	564	+11.0	21,965	21,266	+3.5
Middle Atlantic----- (20 cities)	2,790	3,334	2,792	-0.1	98,473	96,811	+1.7
East North Central----- (18 cities)	2,214	2,318	2,139	+3.5	71,655	70,385	+1.8
West North Central----- (8 cities)	722	800	704	+2.6	23,110	22,248	+3.9
South Atlantic----- (11 cities)	829	908	821	+1.0	28,541	27,501	+3.8
East South Central----- (7 cities)	386	333	379	+1.8	11,689	11,694	-0.0
West South Central----- (13 cities)	947	892	825	+14.8	28,453	26,137	+8.9
Mountain----- (8 cities)	282	255	217	+30.0	8,398	7,660	+9.6
Pacific----- (12 cities)	1,216	1,148	1,149	+5.8	41,042	40,041	+2.5

Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

AREA	31st week ended	30th week ended	CUMULATIVE NUMBER FIRST 31 WEEKS		AREA	31st week ended	30th week ended	CUMULATIVE NUMBER FIRST 31 WEEKS	
	Aug. 3, 1957	July 27, 1957	1957	1956		Aug. 3, 1957	July 27, 1957	1957	1956
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.	223	210	7,442	7,187	St. Louis, Mo.	231	237	7,382	7,334
Bridgeport, Conn.	34	40	1,169	1,152	St. Paul, Minn.	60	63	2,092	2,073
Cambridge, Mass.	22	26	946	936	Wichita, Kans.	48	44	1,382	1,256
Fall River, Mass.	24	18	851	888	SOUTH ATLANTIC				
Hartford, Conn.	43	42	1,543	1,467	Atlanta, Ga.	117	96	3,410	3,412
Lovell, Mass.	22	31	857	740	Baltimore, Md.	188	236	7,524	7,184
Lynn, Mass.	19	18	650	660	Charlotte, N. C.	44	31	1,034	959
New Bedford, Mass.	18	20	783	710	Jacksonville, Fla.	49	55	1,671	1,588
New Haven, Conn.	43	42	1,445	1,447	Miami, Fla.	43	34	1,516	1,576
Providence, R. I.	68	62	1,987	1,951	Norfolk, Va.	33	43	1,147	990
Somerville, Mass.	13	14	432	501	Richmond, Va.	66	80	2,349	2,201
Springfield, Mass.	35	44	1,338	1,296	Savannah, Ga.	27	22	919	891
Waterbury, Conn.	20	36	787	797	Tampa, Fla.	50	64	1,960	1,853
Worcester, Mass.	42	60	1,735	1,534	Washington, D. C.	172	207	5,855	5,780
MIDDLE ATLANTIC					Wilmingon, Del.	40	40	1,156	1,067
Albany, N. Y.	36	60	1,545	1,532	EAST SOUTH CENTRAL				
Allentown, Pa.	38	41	1,198	1,196	Birmingham, Ala.	85	68	2,416	2,392
Buffalo, N. Y.	144	161	4,500	4,395	Chattanooga, Tenn.	40	42	1,430	1,318
Camden, N. J.	38	40	1,263	1,219	Knoville, Tenn.	26	16	866	1,068
Elizabeth, N. J.	26	27	899	866	Louisville, Ky.	116	97	3,259	3,338
Erie, Pa.	35	29	1,118	1,054	Memphis, Tenn.	---	(131)	---	(3,067)
Jersey City, N. J.	77	63	2,173	2,191	Mobile, Ala.	38	27	1,116	1,033
Newark, N. J.	90	98	3,286	3,035	Montgomery, Ala.	28	37	743	900
New York City, N. Y.	1,355	1,719	49,540	48,784	Nashville, Tenn.	53	46	1,859	1,645
Paterson, N. J.	31	41	1,224	1,152	WEST SOUTH CENTRAL				
Philadelphia, Pa.	432	491	15,337	15,163	Austin, Tex.	34	31	942	877
Pittsburgh, Pa.	161	203	5,650	5,767	Baton Rouge, La.	20	19	786	691
Reading, Pa.	16	24	732	672	Corpus Christi, Tex.	25	17	656	594
Rochester, N. Y.	84	98	2,967	2,910	Dallas, Tex.	91	117	3,431	3,277
Schenectady, N. Y.	26	28	724	705	El Paso, Tex.	34	29	967	840
Scranton, Pa.	41	42	1,185	1,095	Fort Worth, Tex.	71	55	1,949	1,795
Syracuse, N. Y.	54	44	1,789	1,837	Houston, Tex.	158	155	4,724	4,169
Trenton, N. J.	35	44	1,400	1,368	Little Rock, Ark.	64	52	1,723	1,408
Utica, N. Y.	29	24	998	925	New Orleans, La.	188	184	5,362	4,995
Yonkers, N. Y.	22	37	945	945	Oklahoma City, Okla.	55	51	1,931	1,937
EAST NORTH CENTRAL					San Antonio, Tex.	115	105	2,981	2,715
Akron, Ohio	70	66	1,693	1,631	Shreveport, La.	40	41	1,465	1,403
Canton, Ohio	20	28	961	892	Tulsa, Okla.	52	36	1,536	1,436
Chicago, Ill.	700	774	23,421	23,147	MOUNTAIN				
Cincinnati, Ohio	165	146	4,732	4,745	Albuquerque, N. Mex.	24	25	792	706
Cleveland, Ohio	184	214	6,486	6,427	Colorado Springs, Colo.	16	16	427	397
Columbus, Ohio	95	124	3,504	3,334	Denver, Colo.	118	100	3,446	3,386
Dayton, Ohio	85	79	2,265	2,057	Ogden, Utah	11	14	375	386
Detroit, Mich.	336	309	10,136	9,986	Phoenix, Ariz.	26	28	916	815
Evansville, Ind.	14	23	946	1,039	Pueblo, Colo.	13	13	394	379
Flint, Mich.	---	(33)	---	(1,214)	Salt Lake City, Utah	56	37	1,376	1,427
Fort Wayne, Ind.	34	28	1,105	1,110	Tucson, Ariz.	18	22	672	164
Gary, Ind.	31	15	906	899	PACIFIC				
Grand Rapids, Mich.	29	61	1,277	1,308	Berkeley, Calif.	11	23	591	530
Indianapolis, Ind.	110	104	3,666	3,649	Long Beach, Calif.	37	48	1,672	1,631
Milwaukee, Wis.	118	125	4,072	3,877	Los Angeles, Calif.	503	389	14,906	14,602
Peoria, Ill.	34	38	937	874	Oakland, Calif.	79	74	2,984	2,840
South Bend, Ind.	37	32	800	750	Pasadena, Calif.	34	28	1,109	1,113
Toledo, Ohio	96	91	2,996	2,950	Portland, Oreg.	74	107	2,952	2,961
Youngstown, Ohio	56	61	1,752	1,710	Sacramento, Calif.	36	39	1,601	1,487
WEST NORTH CENTRAL					San Diego, Calif.	60	77	2,490	2,315
Des Moines, Iowa	56	73	1,696	1,588	San Francisco, Calif.	183	172	6,000	5,956
Duluth, Minn.	34	33	823	833	Seattle, Wash.	138	120	4,086	3,977
Kansas City, Kans.	---	(32)	---	(975)	Spokane, Wash.	30	41	1,441	1,461
Kansas City, Mo.	113	130	3,727	3,425	Tacoma, Wash.	31	30	1,210	1,168
Minneapolis, Minn.	118	142	3,885	3,718	Honolulu, Hawaii	(36)	(42)	(1,198)	(1,073)
Omaha, Nebr.	62	78	2,123	2,021					

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

EPIDEMIOLOGICAL REPORTS—Continued

Brucellosis

The California State Department of Public Health has supplied preliminary information on the 13 cases of brucellosis reported for the week ended June 22. Eleven of the cases were in San Bernardino County. Histories have not been received but data have been abstracted from morbidity cards. Ten cases were reported by a single physician, apparently on the basis of positive skin tests and in some cases, clinical symptoms. The 11th case was in the physician himself, and 2 other cases occurred elsewhere in the State. The latter 2 cases were confirmed by laboratory tests. One was in a butcher and the other was in a person who visited a cattle ranch and drank raw milk while there.

Salmonellosis

Dr. Morris Greenberg, New York City Department of Health, has reported an outbreak of salmonellosis. The first reported cases were among persons who had eaten chicken salad in a restaurant, which was one of a chain of restaurants and retail stores. Later cases were reported among persons who purchased chicken salad from the retail stores. Forty-seven cases were reported with an incubation period of 9 to 17 hours. Chicken salad, as well as many other foods, are prepared in a central commissary and are distributed to the various outlets. This organization has been recognized for its outstanding record in good sanitation. Bacteriological examination of one sample of chicken salad revealed Salmonella oranienburg. The same organism was recovered from several stool specimens. Of 24 food handlers engaged in preparation of chicken salad and similar foods, 2 were found to be carriers of S. oranienburg.

The North Carolina State Board of Health has reported an outbreak of salmonellosis among persons who ate ice cream. Six of these became ill with chills, fever, nausea, vomiting, diarrhea, headache, backpain, and prostration from 12 to 48 hours later. S. typhimurium was isolated from both the ice cream and stool specimens from several patients. The source of this outbreak was not determined.

The California State Department of Public Health has reported an outbreak of salmonellosis among 5 persons who ate a catered box dinner of roast turkey and gravy, mashed potatoes, corn, green salad, and apple pie. Of these, 3 became ill with headache, stomach ache, and diarrhea about 8 hours later. S. typhimurium was found in specimens from 2 patients. Specimens from food handlers were negative for the organism.

Streptococcal food infection

The Sacramento County (California) Health Department has reported an outbreak of illness following a church picnic. Of 51 persons eating the meal, 30 are known to have become ill with cramps, diarrhea, and vomiting from 12 to 16 hours later. Of the food items served only chicken salad was available for bacteriological examination. Streptococci were isolated from the sample collected. Tests on stool specimens from patients and food handlers were negative for the organism. Nine chickens were cooked in a private home and brought to the church. The salad was prepared at the church and refrigerated. However, the day was extremely warm, and there is a question as to how efficient the refrigeration was.

QUARANTINE MEASURES

Immunization Information for International Travel
No changes reported.

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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