

Morbidity and Mortality

Weekly
Report

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended June 15, 1957

EPIDEMIOLOGICAL REPORTS

Influenza

The World Health Organization, Geneva, reports that a few cases of influenza were found about June 6 in Karachi, Pakistan, among arrivals from Singapore and Bombay. Subsequently about 150 cases were reported by June 11 in Karachi and less than 50 in Lahore. The disease appears to be spreading in India, and some reports of deaths are being received. Early in May, cases of influenza-like disease appeared among a group of Europeans who arrived by air via Singapore in Victoria, Australia, following which a fairly sharp outbreak of influenza appeared in Victoria. Virus strains isolated in this outbreak and from a member of the crew of a ship from Singapore to Cairns, Queensland, are reported to be indistinguishable from the new Far East (Singapore/57) strain. A few cases

have been seen in Darwin, but no spread from this area, Cairns or Victoria, has been observed. A clinical case of influenza at The Hague, Netherlands, has been reported in an arrival from Indonesia. A virus has been isolated from this case resembling the Far East strain. Serologic evidence of infection is reported in passengers of a ship in Rotterdam.

In describing the chronology of the isolation of viruses in the Far East epidemic, it should be stated that following a press report on April 18 of influenza in Hong Kong, the Walter Reed Army Institute of Research requested the 406th Army General Laboratory in Japan to send a man to Hong Kong to investigate. A medical officer left 2 days later. On April 25 a naval vessel out of Hong Kong docked in Japan with influenza aboard. Throat washings were obtained from which 4 viruses were isolated by the 406th laboratory. These were sent to Walter Reed Army

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	24th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended June 15, 1957	Ended June 16, 1956	Median 1952-56	First 24 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	-	-	-	10	27	18	(1)	(1)	(1)	(1)
Botulism-----049.1	-	1	-	-	1	6	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	22	22	28	456	459	713	(1)	(1)	(1)	(1)
Diphtheria-----055	13	13	25	435	788	855	1,190	2,118	2,169	July 1
Encephalitis, infectious-----082	36	36	32	632	703	624	72	74	64	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	252	266	453	8,475	11,045	16,079	13,674	18,548	---	Sept. 1
Malaria-----110-117	5	7	14	44	92	195	(1)	(1)	(1)	(1)
Measles-----085	14,469	21,522	18,758	400,006	513,647	513,647	437,210	542,745	542,745	Sept. 1
Meningococcal infections-----057	46	56	76	1,312	1,583	2,494	2,043	2,506	3,723	Sept. 1
Meningitis, other-----340	31	29	---	803	684	---	---	---	---	---
Poliomyelitis-----080	89	178	294	1,126	2,218	3,096	599	1,151	1,605	Apr. 1
Paralytic-----080.0,080.1	38	92	---	531	1,171	---	257	588	---	Apr. 1
Nonparalytic-----080.2	38	61	---	434	672	---	271	387	---	Apr. 1
Unspecified-----080.3	13	25	---	161	375	---	71	176	---	Apr. 1
Psittacosis-----096.2	7	16	11	139	221	158	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	3	5	3	(1)	(1)	(1)	(1)
Typhoid fever-----040	22	45	49	481	765	763	224	453	366	Apr. 1
Typhus fever, endemic-----101	5	3	4	55	39	73	30	20	38	Apr. 1
Rabies in animals-----	79	82	124	2,393	2,707	3,865	2,357	3,734	5,380	Oct. 1

¹Data show no pronounced seasonal change in incidence.

²Includes revised report for Kentucky for week ended June 1, 1957.

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

EPIDEMIOLOGICAL REPORTS—Continued

Institute of Research (WRAIR) where they arrived on May 13, on the same date throat washing from Hong Kong arrived. Paired sera from crew members of the naval vessel and from Hong Kong were received by WRAIR on May 22. Virus specimens from Malaya arrived on May 21, and Formosa viruses and paired sera from the Philippines on June 1. By May 22, WRAIR was able to describe the virus as type A, but as a new agent not antigenically related to viruses previously isolated. At this time viruses were supplied to manufacturers of vaccine.

The Walter Reed Army Institute of Research has reported the isolation of 2 viruses that antigenically resemble the Far East/57 strain. They were obtained from throat washings from members of the crew of a U. S. naval vessel on which an influenza-like disease was occurring. Confirmatory tests will be made on paired sera from crew members who were ill. The vessel was located at Newport, R. I. This vessel had been operating in the Atlantic area exclusively and had no known contact with an influenza epidemic area. Investigation has shown that no transfer of personnel from an epidemic area had been made to this vessel. Four other naval vessels operating in the Atlantic area recently have reported outbreaks of acute respiratory infections. They are being investigated. Reports have been received that a vessel enroute from Manila to Honolulu and San Francisco had on board 28 cases clinically resembling influenza. Twenty-seven persons who had not been ill disembarked in Honolulu. The occurrence of influenza on board such vessels is readily detectable and offers good opportunities for investigation of outbreaks.

The California State Department of Health reports that as of June 14 no laboratory confirmed cases of influenza of the Far East variety have been found in that State. The New York State Department of Health has under investigation 2 sporadic cases of influenza-like disease for which laboratory tests are not completed.

Captain Robert E. Shope, M. C., of the U. S. Army Medical Research Unit in Kuala Lumpur, Malaya, has recently returned to WRAIR with a first-hand account of the Far East influenza outbreak in Malaya. Captain Shope reports that attack rates for recognized cases of clinical influenza among Asians was well over 50 percent. Among certain closely observed groups in Malaya, such as the Asian employees of the Army Medical Research Unit, the attack rates for clinical influenza approached 100 percent. The disease appeared to be less prevalent among the Caucasians residing in Malaya although valid statistical data are lacking. The reason for the apparent difference in attack rates among Asians compared with Caucasians is not known but the poorer nutritional status of the Asians compared with Caucasians in Malaya and the greater crowding of the Asians compared with the Caucasians in the area may be important contributing factors. It is pointed out in this connection that attack rates up to 34 percent have been reported in Far East shipboard outbreaks among U. S. Service personnel where crowding may play a role in disseminating the disease.

In cases among Asians, the illness was generally mild with fever up to 104° F., and with malaise, muscular aches and pains, and headache. Localizing clinical signs were rare aside from the coryza which was prominent in many of the cases. No deaths were seen among the cases observed. The illness in the cases, seen by Captain Shope lasted for 2-5 days, was self-limited; and chemotherapy was not required.

Several hemagglutinating viruses have been recovered by personnel of the U. S. Army Unit and the Institute for Medical Research in Malaya (British). These were studied by Dr. Bennet L. Elisberg of the U. S. Army Unit and by Dr. C. E. Gordon Smith and the Institute for Medical Research and were identified as influenza A in complement-fixation tests for group-specific antigen employing paired sera from earlier cases of A prime influenza. Further tests to type the new viruses are in progress in Malaya and at the Walter Reed Laboratory. Strains recovered earlier by Dr. Hale from the Singapore influenza outbreak were identified at the Walter Reed Army Institute of Research as the Far East influenza A virus. The patients in the Malayan outbreak commonly developed diagnostic increase in hemagglutination-inhibiting antibodies against the Far East strains but not against older A or A prime viruses nor influenza B or C.

Psittacosis

Dr. E. J. Witte, Pennsylvania Department of Health, has reported 2 cases of psittacosis involving a husband and wife. An investigation revealed that they had been raising birds since 1953. They introduced into their flock 2 parakeets purchased from a local department store. Seven days later they became ill with chills, fever, body aching, and headache. Complement fixation tests were positive for psittacosis; for the wife the titer was 1:5, but for the husband it was 1:320. Their flock consisted of 100 birds which they requested be destroyed. Of 51 birds tested for psittacosis, 12 were found to be positive. Eleven birds from stock in the department store were also tested and 3 were reported positive.

The California State Department of Public Health has given epidemiological information on 10 cases of psittacosis which occurred during the latter part of 1956 and the first 2 months of 1957. The diagnoses were confirmed by complement fixation tests. Nine patients had contact with parakeets, but the tenth denied contact with birds or fowl of any kind prior to onset of his illness. Of the parakeets, only 1 examination was made. This was on a sample of 7 birds from a flock of 250 in a chain-store. The psittacosis virus was isolated from these birds.

Gastro-enteritis

The California State Department of Public Health has reported an outbreak of gastro-enteritis in a public school. After the local health officer received several complaints of "bad food," he contacted the principal of the school. The principal stated that there had been an increased absenteeism from the school on 2 previous days. This indicated a common source for the outbreak, and a lunch served in the cafeteria was suspected. The supposition was substantiated by epidemiological findings. No improper methods of preparation, handling, or storing of foods were discovered. The general sanitation was above average. The only food item from the incriminated meal available for laboratory tests was mayonnaise. This, on culture, showed insignificant colonies of *Staphylococcus citreus* and *Staph. albus*. The milk and water supplies which are checked routinely were rechecked. Of the food items known to have been eaten by 31 patients, chillburger was the most common, accounting for 87 percent or 27 children. Seven food handlers in the school reported no illness and appeared free from any skin lesions. It was concluded that although the normal routine in food handling was satisfactory under most circumstances, on the day the meal was served the abnormally high temperature caused growth of organisms sufficient to produce gastrointestinal symptoms.

The California State Department of Public Health has also reported 3 outbreaks of gastro-enteritis among persons who ate in public eating places. Of 32 persons eating ham in a hotel dining room, 8 became ill from 3 to 4 hours later. The ham had been taken from a can and heated at 350° F. for 25 minutes. The meat was served from a steamtable and may at times have remained undisturbed for 2 or 3 hours between servings, depending on the number of customers. No food was available for laboratory tests. In a restaurant, 4 customers became ill from 2 to 3½ hours after eating barbecued ham. Six hams were cooked the day before the outbreak. They were cooled at room temperature and refrigerated overnight. Two were reheated, boned, and served from a steamtable. Laboratory tests on 2 samples were negative for pathogenic organisms. Nose and throat cultures from 3 food handlers revealed 1 was positive for *Staph. aureus*. In the other eating place, 2 persons became ill from 9 to 13 hours after eating roast beef sandwiches with gravy. Bacteriologic examination of this food was also negative for pathogenic organisms.

Mrs. Sarah V. Dugan, Kentucky State Department of Health, has reported 2 outbreaks of gastro-enteritis. One was among persons who ate in a hotel restaurant. At least 2 persons became ill about 8 hours after eating cream cheese sandwiches. An inspection of the dining room revealed grossly unsanitary methods and conditions in the food preparation area. The other outbreak involved 7 persons who had eaten pie from a local bakery. Three of the patients had eaten pie which had been unrefrigerated. The status of the pies eaten by the other 4 was unknown. *Staph. aureus* was found in a sample of one pie, the source of which was not determined. There was no indication from the report that the bakery was at fault.

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 JUNE 16, 1956 AND JUNE 15, 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		24th week		Cumulative first 24 weeks		082		24th week		Cumulative first 24 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	22	22	13	13	435	788	36	36	252	266	8,475	11,045
NEW ENGLAND-----	-	1	1	-	18	7	-	1	12	13	451	730
Maine-----	-	-	-	-	3	-	-	-	5	1	132	175
New Hampshire-----	-	-	-	-	-	1	-	-	-	-	8	25
Vermont-----	-	-	-	-	-	-	-	-	-	-	82	96
Massachusetts-----	-	-	1	-	15	6	-	-	4	7	122	172
Rhode Island-----	-	-	-	-	-	-	-	-	3	2	38	91
Connecticut-----	-	1	-	-	-	-	1	-	-	3	69	171
MIDDLE ATLANTIC-----	1	-	7	1	42	34	7	7	54	66	1,258	2,350
New York-----	1	-	2	1	22	12	7	7	33	31	726	1,200
New Jersey-----	-	-	2	-	9	10	-	-	7	14	182	213
Pennsylvania-----	-	-	3	-	11	12	-	-	14	21	350	937
EAST NORTH CENTRAL-----	3	4	2	-	34	160	9	8	33	32	1,555	1,748
Ohio-----	-	-	-	-	7	13	4	1	11	11	393	422
Indiana-----	-	-	1	-	82	2	3	3	6	6	223	270
Illinois-----	3	4	-	-	3	3	2	1	8	4	324	417
Michigan-----	-	-	1	-	14	61	1	2	10	8	449	454
Wisconsin-----	-	-	-	-	1	1	-	1	1	3	166	185
WEST NORTH CENTRAL-----	10	7	-	-	36	81	1	1	25	27	533	954
Minnesota-----	2	-	-	-	20	25	-	-	12	13	188	284
Iowa-----	3	3	-	-	4	17	-	-	4	8	130	256
Missouri-----	1	-	-	-	1	9	-	1	1	1	94	51
North Dakota-----	-	-	-	-	-	-	-	-	8	-	70	78
South Dakota-----	-	4	-	-	5	3	-	-	-	4	25	117
Nebraska-----	2	-	-	-	2	25	-	-	-	-	12	76
Kansas-----	2	-	-	-	3	2	1	-	-	1	14	92
SOUTH ATLANTIC-----	2	4	1	1	126	158	1	2	18	12	628	668
Delaware-----	-	-	-	-	-	-	-	-	-	-	5	20
Maryland-----	-	-	-	-	1	-	-	-	2	2	72	59
District of Columbia-----	-	-	-	-	-	1	-	-	-	-	8	10
Virginia-----	-	1	-	-	6	21	-	1	8	8	248	285
West Virginia-----	1	-	-	-	2	5	-	-	-	-	50	28
North Carolina-----	1	-	-	-	18	22	1	-	1	1	48	60
South Carolina-----	-	-	1	-	21	36	-	-	1	-	16	32
Georgia-----	-	3	-	1	25	27	-	-	1	-	71	90
Florida-----	-	-	-	-	53	46	-	1	5	1	110	84
EAST SOUTH CENTRAL-----	-	1	1	4	62	103	1	-	17	28	1,192	947
Kentucky-----	-	1	1	-	12	5	-	-	5	12	525	283
Tennessee-----	-	-	-	-	7	19	1	-	10	12	454	442
Alabama-----	-	-	1	-	24	50	-	-	2	-	135	93
Mississippi-----	-	-	3	-	19	29	-	-	-	4	78	129
WEST SOUTH CENTRAL-----	2	4	2	4	96	197	1	1	18	19	609	824
Arkansas-----	-	1	-	-	6	17	-	-	1	1	49	79
Louisiana-----	-	-	-	-	8	20	-	-	-	7	34	69
Oklahoma-----	-	1	-	-	15	51	1	-	-	-	81	56
Texas-----	2	2	2	4	67	109	-	1	17	11	445	620
MOUNTAIN-----	2	-	1	-	15	15	-	-	18	15	770	1,060
Montana-----	-	-	-	-	3	-	-	-	2	2	106	273
Idaho-----	1	-	-	-	1	1	-	-	2	1	49	139
Wyoming-----	-	-	-	-	1	3	-	-	-	4	27	61
Colorado-----	-	-	-	-	2	3	-	-	3	5	109	233
New Mexico-----	-	-	1	-	7	1	-	-	3	2	279	95
Arizona-----	-	-	-	-	1	5	-	-	7	1	148	207
Utah-----	1	-	-	-	-	2	-	-	-	-	30	50
Nevada-----	-	-	-	-	-	-	-	-	1	-	22	2
PACIFIC-----	2	1	-	1	6	33	16	16	57	54	1,479	1,764
Washington-----	-	-	-	-	-	5	-	-	2	9	211	378
Oregon-----	-	-	-	-	2	8	-	-	3	15	293	348
California-----	2	1	-	1	4	20	16	16	52	30	975	1,038
Alaska-----	-	-	-	-	-	-	-	-	2	-	49	58
Hawaii-----	-	-	-	-	-	-	1	-	4	2	24	24
Puerto Rico-----	-	-	3	-	30	26	-	-	3	8	84	120

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 JUNE 16, 1956 AND JUNE 15, 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	
	24th week		Cumulative first 24 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-----	89	178	1,126	2,218	38	92	38	61	5	7	14,469	21,522
NEW ENGLAND-----	1	1	10	54	-	-	1	1	1	-	1,423	287
Maine-----	-	-	1	9	-	-	-	-	-	-	157	10
New Hampshire-----	-	-	-	2	-	-	-	-	-	-	6	18
Vermont-----	-	-	2	8	-	-	-	-	-	-	64	49
Massachusetts-----	1	1	3	25	-	-	1	1	-	-	746	100
Rhode Island-----	-	-	-	2	-	-	-	-	-	-	58	45
Connecticut-----	-	-	4	8	-	-	-	-	1	-	392	65
MIDDLE ATLANTIC-----	2	5	32	129	1	4	1	-	-	1	3,226	6,475
New York-----	2	4	21	89	1	4	1	-	-	-	1,704	3,616
New Jersey-----	-	-	3	14	-	-	-	-	-	1	1,189	1,235
Pennsylvania-----	-	1	8	26	-	-	-	-	-	-	333	1,624
EAST NORTH CENTRAL-----	6	24	98	201	1	10	3	4	1	-	2,929	5,326
Ohio-----	2	6	19	36	-	1	-	1	-	-	197	1,265
Indiana-----	1	3	20	12	1	-	-	1	1	-	220	329
Illinois-----	-	9	13	65	-	5	-	1	-	-	254	1,044
Michigan-----	3	2	34	50	-	2	3	-	-	-	378	1,546
Wisconsin-----	-	4	12	38	-	2	-	1	-	-	1,880	1,142
WEST NORTH CENTRAL-----	8	3	87	112	3	1	3	2	-	-	853	642
Minnesota-----	-	1	3	20	-	-	-	1	-	-	96	42
Iowa-----	2	1	7	33	1	-	1	1	-	-	530	291
Missouri-----	2	1	25	27	1	1	1	-	-	-	67	210
North Dakota-----	-	-	1	2	-	-	-	-	-	-	116	39
South Dakota-----	-	-	4	9	-	-	-	-	-	-	32	32
Nebraska-----	3	-	31	11	-	-	-	1	-	-	12	26
Kansas-----	1	-	16	10	1	-	-	-	-	-	-	2
SOUTH ATLANTIC-----	13	24	152	200	6	8	2	15	1	2	890	2,181
Delaware-----	-	-	1	3	-	-	-	-	-	-	8	41
Maryland-----	-	1	-	8	-	-	-	1	-	-	44	177
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	38	29
Virginia-----	-	2	17	13	-	-	-	1	-	1	175	526
West Virginia-----	1	2	6	13	1	1	-	1	-	-	63	411
North Carolina-----	2	3	22	36	1	1	1	2	-	-	54	247
South Carolina-----	5	2	35	17	1	1	-	1	-	1	246	246
Georgia-----	3	3	22	18	2	1	-	2	-	-	136	172
Florida-----	2	11	49	92	1	4	1	7	1	-	126	332
EAST SOUTH CENTRAL-----	5	14	70	101	-	5	2	3	-	1	598	1,539
Kentucky-----	3	6	9	33	-	1	-	3	-	1	208	451
Tennessee-----	1	-	17	18	-	-	-	1	-	-	212	679
Alabama-----	-	1	16	7	-	-	-	-	-	-	176	312
Mississippi-----	1	7	28	43	-	4	1	-	-	-	2	97
WEST SOUTH CENTRAL-----	38	58	345	585	21	32	17	23	1	-	771	1,705
Arkansas-----	-	-	17	14	-	-	-	-	-	-	43	111
Louisiana-----	6	22	56	116	-	16	6	6	-	-	42	273
Oklahoma-----	2	3	14	28	2	-	-	-	1	-	36	133
Texas-----	30	33	258	427	19	16	11	17	-	-	650	1,188
MOUNTAIN-----	2	9	82	121	1	5	-	-	-	-	980	877
Montana-----	-	-	3	7	-	-	-	-	-	-	119	154
Idaho-----	-	2	3	17	-	2	-	-	-	-	81	96
Wyoming-----	-	-	4	4	-	-	-	-	-	-	4	7
Colorado-----	-	1	15	11	-	1	-	-	-	-	65	300
New Mexico-----	1	1	11	10	1	-	-	-	-	-	134	211
Arizona-----	-	2	24	49	-	2	-	-	-	-	358	89
Utah-----	1	3	20	11	-	-	-	-	-	-	207	40
Nevada-----	-	-	2	12	-	-	-	-	-	-	12	-
PACIFIC-----	14	40	250	715	5	27	9	13	1	3	2,799	2,490
Washington-----	-	-	2	29	-	-	-	-	-	1	618	577
Oregon-----	1	3	21	45	-	1	1	2	-	-	608	74
California-----	13	37	227	641	5	26	8	11	1	2	1,573	1,839
Alaska-----	-	1	2	5	-	-	-	1	-	-	68	108
Hawaii-----	-	-	2	49	-	-	-	-	1	-	26	64
Puerto Rico-----	-	-	5	21	-	-	-	-	-	-	41	54

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

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 JUNE 16, 1956 AND JUNE 15, 1957—Continued

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

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
			340	096.2		24th week		Cumulative first 24 weeks		101		
	057	1956	1957	1957	1956	1957	1956	1957	1956	1957	1957	1956
CONT. UNITED STATES-----	46	56	31	7	16	22	45	481	765	5	79	82
NEW ENGLAND-----	2	2	5	-	1	-	1	13	28	-	-	-
Maine-----	-	-	-	-	-	-	-	1	10	-	-	-
New Hampshire-----	1	-	-	-	-	-	-	1	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	1	-	-	-
Massachusetts-----	1	-	5	-	1	-	1	5	8	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	4	2	-	-	-
Connecticut-----	-	2	-	-	-	-	-	2	7	-	-	-
MIDDLE ATLANTIC-----	5	10	-	-	1	4	9	54	105	-	2	13
New York-----	5	7	-	-	-	-	3	18	28	-	2	10
New Jersey-----	-	2	-	-	-	2	1	15	9	-	-	-
Pennsylvania-----	-	1	-	-	1	2	5	21	68	-	-	3
EAST NORTH CENTRAL-----	11	16	11	1	-	3	8	54	117	-	9	16
Ohio-----	1	6	-	-	-	2	1	25	25	-	-	6
Indiana-----	4	1	1	-	-	-	-	11	11	-	2	4
Illinois-----	2	3	9	1	-	-	1	6	15	-	1	5
Michigan-----	4	5	1	-	-	-	2	6	30	-	1	-
Wisconsin-----	-	1	-	-	-	1	4	6	36	-	5	1
WEST NORTH CENTRAL-----	-	1	2	1	-	1	3	34	109	-	22	5
Minnesota-----	-	1	-	1	-	-	-	4	31	-	9	1
Iowa-----	-	-	2	-	-	-	1	7	39	-	9	1
Missouri-----	-	-	-	-	-	1	2	15	21	-	1	3
North Dakota-----	-	-	-	-	-	-	-	1	5	-	3	-
South Dakota-----	-	-	-	-	-	-	-	3	2	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	7	-	-	-
Kansas-----	-	-	-	-	-	-	-	4	4	-	-	-
SOUTH ATLANTIC-----	10	6	3	2	3	3	3	96	125	1	18	23
Delaware-----	-	-	-	-	-	-	-	1	1	-	-	-
Maryland-----	1	1	-	-	-	-	-	2	8	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	6	10	-	-	-
Virginia-----	2	1	3	1	-	-	1	16	20	-	6	4
West Virginia-----	-	1	-	-	-	-	-	15	12	-	1	6
North Carolina-----	3	2	-	1	3	1	-	11	16	1	2	-
South Carolina-----	-	1	-	-	-	1	-	5	13	-	1	8
Georgia-----	1	-	-	-	-	-	1	16	27	-	6	1
Florida-----	3	-	-	-	-	1	1	24	18	-	2	4
EAST SOUTH CENTRAL-----	9	8	3	1	6	3	5	83	80	2	13	12
Kentucky-----	1	3	-	-	-	1	1	23	16	1	9	2
Tennessee-----	3	1	3	1	5	2	-	39	41	-	-	-
Alabama-----	4	4	-	1	-	-	1	7	7	1	4	10
Mississippi-----	1	-	-	-	-	-	3	14	16	-	-	-
WEST SOUTH CENTRAL-----	2	5	5	-	-	5	10	92	126	2	11	3
Arkansas-----	-	1	-	-	-	2	1	17	23	-	2	1
Louisiana-----	-	2	-	-	-	-	2	14	25	-	2	2
Oklahoma-----	-	1	-	-	-	-	1	12	18	-	-	-
Texas-----	2	1	5	-	-	3	6	49	60	2	7	-
MOUNTAIN-----	5	1	1	2	-	1	4	23	23	-	1	-
Montana-----	-	-	-	-	-	-	1	2	1	-	-	-
Idaho-----	-	-	-	-	-	-	-	1	1	-	-	-
Wyoming-----	-	-	-	-	-	-	-	2	2	-	-	-
Colorado-----	1	1	-	2	-	-	1	6	7	-	-	-
New Mexico-----	-	-	-	-	-	1	-	7	7	-	1	-
Arizona-----	4	-	1	-	-	-	2	5	4	-	-	-
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	1	-	-	-
PACIFIC-----	2	7	1	-	5	2	2	32	52	-	3	10
Washington-----	1	1	-	-	5	-	-	1	1	-	-	-
Oregon-----	1	-	1	-	-	-	-	3	6	-	-	-
California-----	-	6	-	-	-	2	2	28	45	-	3	10
Alaska-----	1	2	-	-	-	-	-	1	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	2	-	-	-	-
Puerto Rico-----	-	1	3	-	-	-	3	12	25	-	-	2

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

Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

AREA	24th week ended	23d week ended	CUMULATIVE NUMBER FIRST 24 WEEKS		AREA	24th week ended	23d week ended	CUMULATIVE NUMBER FIRST 24 WEEKS	
	June 15, 1957	June 8, 1957	1957	1956		June 15, 1957	June 8, 1957	1957	1956
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	---	(223)	---	(5,817)	St. Louis, Mo.-----	221	252	5,727	5,862
Bridgeport, Conn.-----	34	30	903	873	St. Paul, Minn.-----	68	58	1,653	1,601
Cambridge, Mass.-----	41	34	764	752	Wichita, Kans.-----	53	62	1,090	968
Fall River, Mass.-----	31	28	671	701	SOUTH ATLANTIC				
Hartford, Conn.-----	38	46	1,214	1,174	Atlanta, Ga.-----	95	84	2,661	2,695
Lowell, Mass.-----	32	21	662	607	Baltimore, Md.-----	223	230	5,851	5,655
Lynn, Mass.-----	25	11	508	519	Charlotte, N. C.-----	26	33	800	749
New Bedford, Mass.-----	24	25	643	564	Jacksonville, Fla.-----	49	58	1,309	1,273
New Haven, Conn.-----	51	46	1,132	1,165	Miami, Fla.-----	41	41	1,189	1,254
Providence, R. I.-----	59	60	1,543	1,520	Norfolk, Va.-----	32	37	880	798
Somerville, Mass.-----	14	17	345	409	Richmond, Va.-----	85	70	1,801	1,718
Springfield, Mass.-----	45	32	1,056	1,029	Savannah, Ga.-----	25	30	711	704
Waterbury, Conn.-----	25	30	619	616	Tampa, Fla.-----	56	52	1,572	1,474
Worcester, Mass.-----	43	56	1,386	1,212	Washington, D. C.-----	176	153	4,505	4,566
MIDDLE ATLANTIC					EAST SOUTH CENTRAL				
Albany, N. Y.-----	58	42	1,235	1,210	Birmingham, Ala.-----	81	70	1,879	1,893
Allentown, Pa.-----	25	34	909	937	Chattanooga, Tenn.-----	40	36	1,122	1,035
Buffalo, N. Y.-----	155	144	3,528	3,479	Knoxville, Tenn.-----	23	24	710	865
Camden, N. J.-----	41	48	958	944	Louisville, Ky.-----	92	90	2,589	2,599
Elizabeth, N. J.-----	23	28	696	712	Memphis, Tenn.-----	106	86	2,576	2,420
Erie, Pa.-----	51	45	863	827	Mobile, Ala.-----	31	42	865	800
Jersey City, N. J.-----	65	67	1,651	1,779	Montgomery, Ala.-----	15	30	541	701
Newark, N. J.-----	100	131	2,580	2,399	Nashville, Tenn.-----	52	58	1,452	1,304
New York City, N. Y.-----	1,599	1,442	38,664	38,788	WEST SOUTH CENTRAL				
Paterson, N. J.-----	28	48	962	901	Austin, Tex.-----	36	39	732	705
Philadelphia, Pa.-----	460	493	11,874	11,916	Baton Rouge, La.-----	13	18	627	554
Pittsburgh, Pa.-----	201	190	4,418	4,517	Corpus Christi, Tex.-----	17	20	494	444
Reading, Pa.-----	25	18	570	538	Dallas, Tex.-----	94	92	2,653	2,532
Rechester, N. Y.-----	106	92	2,331	2,308	El Paso, Tex.-----	24	34	707	667
Schenectady, N. Y.-----	27	20	532	560	Fort Worth, Tex.-----	61	71	1,508	1,407
Scranton, Pa.-----	36	44	936	871	Houston, Tex.-----	157	162	3,646	3,251
Syracuse, N. Y.-----	49	53	1,393	1,451	Little Rock, Ark.-----	68	53	1,312	1,115
Trenton, N. J.-----	62	31	1,101	1,107	New Orleans, La.-----	176	159	4,083	3,955
Utica, N. Y.-----	26	32	795	744	Oklahoma City, Okla.-----	68	98	1,512	1,469
Yonkers, N. Y.-----	33	31	746	773	San Antonio, Tex.-----	88	115	2,303	2,112
EAST NORTH CENTRAL					SHREVEPORT, LA.				
Akron, Ohio-----	49	69	1,299	1,295	Shreveport, La.-----	40	38	1,156	1,105
Canton, Ohio-----	24	31	756	713	Tulsa, Okla.-----	38	80	1,219	1,100
Chicago, Ill.-----	753	812	18,453	18,327	MOUNTAIN				
Cincinnati, Ohio-----	157	126	3,709	3,773	Albuquerque, N. Mex.-----	26	32	622	557
Cleveland, Ohio-----	187	238	5,093	5,086	Colorado Springs, Colo.-----	8	16	329	315
Columbus, Ohio-----	101	136	2,747	2,667	Denver, Colo.-----	120	120	2,725	2,692
Dayton, Ohio-----	---	(69)	---	(1,621)	Ogden, Utah-----	8	10	285	307
Detroit, Mich.-----	364	356	7,932	7,835	Phoenix, Ariz.-----	31	34	709	654
Evansville, Ind.-----	29	33	770	836	Pueblo, Colo.-----	11	10	302	296
Flint, Mich.-----	39	32	909	944	Salt Lake City, Utah-----	46	55	1,066	1,118
Fort Wayne, Ind.-----	42	20	865	885	Tucson, Ariz.-----	22	21	504	134
Gary, Ind.-----	22	25	715	711	PACIFIC				
Grand Rapids, Mich.-----	42	40	994	1,036	Berkeley, Calif.-----	17	21	479	427
Indianapolis, Ind.-----	118	128	2,891	2,885	Long Beach, Calif.-----	48	56	1,319	1,283
Milwaukee, Wis.-----	145	158	3,197	3,020	Los Angeles, Calif.-----	520	511	11,675	11,647
Peoria, Ill.-----	30	38	727	664	Oakland, Calif.-----	110	70	2,351	2,266
South Bend, Ind.-----	23	38	607	585	Pasadena, Calif.-----	28	39	867	884
Toledo, Ohio-----	113	109	2,304	2,320	Portland, Oreg.-----	87	110	2,325	2,350
Youngstown, Ohio-----	50	43	1,363	1,376	Sacramento, Calif.-----	59	49	1,264	1,163
WEST NORTH CENTRAL					San Diego, Calif.-----				
Des Moines, Iowa-----	41	63	1,267	1,241	San Francisco, Calif.-----	198	201	4,745	4,696
Duluth, Minn.-----	26	33	628	656	Seattle, Wash.-----	120	129	3,199	3,111
Kansas City, Kans.-----	---	---	---	(754)	Spokane, Wash.-----	37	68	1,151	1,142
Kansas City, Mo.-----	121	121	2,881	2,680	Tacoma, Wash.-----	39	54	971	913
Minneapolis, Minn.-----	124	133	3,019	2,964	Honolulu, Hawaii-----	(36)	(43)	(946)	(869)
Omaha, Nebr.-----	68	74	1,669	1,584					

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

Morbidity and Mortality Weekly Report

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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