

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 April 20, 1957

EPIDEMIOLOGICAL REPORTS

Influenza

The following information has been received by the Influenza Information Center.

The Communicable Disease Branch, Bureau of Medicine and Surgery, Department of the Navy, in a report of influenza during 1957 states that the U. S. Naval Medical Research Unit No. 4, Naval Training Center, Great Lakes, Illinois, has reported that in the period January 19 to February 16, 1957, a serologic diagnosis of influenza A-prime was confirmed in 23.5 percent of the cases of febrile respiratory illness on which tests were run. Tests for influenza C were positive in 10 percent of the cases, and for adenovirus infection in 47 percent of the cases, during the same period. Two additional strains of influenza A-prime viruses were recovered during the week of February 9 to 16, 1957. In surveys of military personnel on

duty during this same period, it was discovered that an additional 12 percent who had not reported sick presented serologic evidence of influenza A-prime infection. Serologic evidence of influenza C infection was present in 10 percent and of adenovirus infection in 26 percent of these men. This outbreak of influenza A began in December 1956 with an increased amount of illness in the population which could not be clinically distinguished from other respiratory illnesses occurring simultaneously. The disease has been mild and has involved mostly unvaccinated personnel.

Dr. F. H. Wentworth, Ohio Department of Health, has reported an outbreak of influenza in a group of boys in an institution. The disease occurred among boys 11-14 years of age and involved approximately 25 individuals. The epidemic began on March 15 and had apparently run its course by March 21. The disease in most cases was mild to moderate in severity,

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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	16th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Apr. 20, 1957	Ended Apr. 21, 1956	Median 1952-56	First 16 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	-	2	-	7	21	13	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	-	-	5	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	21	18	28	286	274	438	(1)	(1)	(1)	(1)
Diphtheria-----055	11	18	39	337	601	645	1,092	1,931	1,959	July 1
Encephalitis, infectious-----082	31	26	26	359	387	367	1,923	1,309	1,309	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	314	470	750	6,058	7,897	10,103	11,257	15,400	---	Sept. 1
Malaria-----110-117	3	4	7	27	49	103	(1)	(1)	(1)	(1)
Measles-----085	20,794	30,290	30,217	248,571	275,257	294,381	285,775	304,355	325,722	Sept. 1
Meningococcal infections-----057	43	49	105	892	1,129	1,790	1,623	2,052	3,019	Sept. 1
Meningitis, other-----340	25	23	---	515	479	---	---	---	---	---
Poliomyelitis-----080	32	79	83	624	1,295	1,511	97	228	237	Apr. 1
Paralytic-----080.0,080.1	12	41	---	321	708	---	47	125	---	Apr. 1
Nonparalytic-----080.2	17	26	---	204	351	---	41	66	---	Apr. 1
Unspecified-----080.3	3	12	---	99	236	---	9	37	---	Apr. 1
Psittacosis-----096.2	4	7	7	79	116	65	(1)	(1)	(1)	(1)
Rabies in man-----094	-	1	-	-	4	2	(1)	(1)	(1)	(1)
Typhoid fever-----040	12	33	30	302	416	416	45	104	76	Apr. 1
Typhus fever, endemic-----101	2	-	2	28	23	42	3	4	5	Apr. 1
Rabies in animals-----	104	135	163	21,646	1,966	2,733	22,610	2,993	4,248	Oct. 1

¹Data show no pronounced seasonal change in incidence.

²Includes revised report from Wyoming for week ended March 23, 1957.

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

EPIDEMIOLOGICAL REPORTS—Continued

with temperature elevations of 100° to 102°, malaise, mild cough, some generalized aching, and headache being the predominant symptoms. Nine of the boys were admitted to the infirmary for a period of 1 to 4 days. Acute and convalescent sera obtained from 6 of the hospitalized patients gave the following results. All 6 acute sera showed no complement fixation with influenza A or B. One convalescent serum had a complement fixation titer of 1:16 against influenza A, 1 a titer of 1:32, 3 a titer of 1:64, and 1 a titer of 1:256. All convalescent sera were negative with influenza B antigen. Attempts to isolate the virus from acute cases using monkey kidney tissue culture were unsuccessful.

Dr. John Mason, New Mexico Department of Public Health, has supplied information on a number of outbreaks of acute respiratory infection that had been reported in various parts of New Mexico during the latter part of February and the first part of March. Some 500 school children in Gallup were evidently affected over a 3- to 4-day period from February 17 to 20. Similar outbreaks were reported on the Navajo Reservation at Fort Defiance, Twin Lakes, and Fort Wingate. A report was received of an incidence of similar cases at the Indian School in Albuquerque in early March. The illness appears to run a 3-day course of fever, headache, and vomiting. There is a diffuse injection of the pharynx, but follicular tonsillitis or enlargement of the lymph nodes in the neck is not seen. A mild conjunctivitis is seen in some cases. Complications have not been noticed. Routine nose and throat cultures have not indicated any particular bacterial agent to be responsible. Paired sera from 9 typical cases examined by Public Health Service Virus Laboratory at Montgomery, Alabama, indicated Influenza A infection.

The Viral and Rickettsial Laboratory, California Department of Public Health, reports that of 27 blood specimens examined during the week of April 12, 1 showed a fourfold or greater rise in antibody titer to influenza A, and from 1, a presumptive positive titer to influenza A was obtained.

Salmonella infections

The California State Department of Public Health reports that Salmonella reading has been isolated from 30 persons residing in the State within the past year. Isolations were made from 15 children under 5 years of age, 3 of which were under 1 year. Six persons with positive stools were over 20 years of age and 5 of these were females. The 30 persons resided in 13 different counties.

Dr. D. S. Fleming, Minnesota State Department of Health, has submitted the following information on 2 cases in which S. reading was isolated in March 1957. One was a 10-year-old boy who had had recurrent abdominal pain for 6 months. On March 27 he had loose stools. Specimens at this time contained S. reading. The other case was an infant 2 months of age who had onset of symptoms on March 27. These consisted of nausea, vomiting, diarrhea, fever, and otitis media. Treatment with a

broad spectrum antibiotic resulted in clinical improvement for 2 days following which there was a recurrence of symptoms. An older sister had an attack of gastro-enteritis of unknown etiology in December 1956 but there have been no symptoms recently. The parents have had no symptoms of gastro-enteritis.

Staphylococcal infections

Dr. James R. Enright, Hawaii Department of Health, gives a summary of staphylococcal infections reported since phage typing recently became available by the Bureau of Laboratories. Isolations of staphylococci, phage type 81, have been made in 19 cases in 4 hospitals and 1 physician's office. One death (a 28-year-old adult) from staphylococcal pneumonia was due to phage type 81.

Pasteurella multocida infection

Dr. Stanley H. Osborn, Connecticut State Department of Health, has reported a case of human infection with Pasteurella multocida. The patient, a 5-year-old girl, was bitten by a dog and sustained lacerations of the lower lip and left cheek. The lesions were cleansed in a hospital and the lip laceration sutured. Later she returned to the hospital because of swelling of the cheek. Grayish exudate was expressed from the lesion on the cheek and it was from this that the organism was cultured.

This represents the fifth identification of Past. multocida in relation to human illness in Connecticut. Two cases occurred in 1955; the patients had been in contact with animals. One was a dairy farmer and the other a cat owner. The other 2 cases, 1 in 1955 and 1 in 1957, were in women who developed abscesses following cat bites.

Dipylidium caninum infection

Dr. Stanley H. Osborn, also, has reported 2 cases of human infection with Dipylidium caninum in Connecticut. One case occurred late in 1956 and the other in March 1957. The patients, both children, live within a few blocks of each other. Both have had pet dogs in which worms have been found and which have been treated by veterinarians.

Illness of unknown etiology

The Illinois State Department of Public Health has reported 5 cases of illness occurring 15 minutes after the ingestion of onions from a plastic bag. This illness was characterized by severe hives and in 1, a severely swollen tongue and much discomfort. An examination by the Food and Drug Administration failed to find anything in the onions or the bag that would cause this type of illness. No other common source was found. The packaging company had distributed onions to several stores, none of which have reported any illnesses among their customers.

QUARANTINE MEASURES

Immunization Information for International Travel
No changes reported.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED APRIL 21, 1956 AND APRIL 20, 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		16th week		Cumulative first 16 weeks		082		16th week		Cumulative first 16 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	21	18	11	18	337	601	31	26	314	470	6,058	7,897
NEW ENGLAND-----	1	-	2	-	11	4	-	2	12	31	316	524
Maine-----	-	-	-	-	1	-	-	-	3	10	95	131
New Hampshire-----	-	-	-	-	-	1	-	-	-	2	7	18
Vermont-----	-	-	-	-	-	-	-	-	3	1	56	76
Massachusetts-----	1	-	2	-	10	3	1	3	6	6	86	112
Rhode Island-----	-	-	-	-	-	-	-	2	7	28	60	-
Connecticut-----	-	-	-	-	-	-	1	1	5	44	127	-
MIDDLE ATLANTIC-----	-	-	3	3	29	23	3	6	49	111	830	1,532
New York-----	-	-	-	2	18	10	3	4	28	52	450	819
New Jersey-----	-	-	-	-	5	5	-	2	12	10	136	149
Pennsylvania-----	-	-	3	1	6	8	-	9	9	49	244	564
EAST NORTH CENTRAL-----	2	4	-	5	25	125	6	6	57	83	1,182	1,254
Ohio-----	-	1	-	2	5	12	2	-	14	23	300	308
Indiana-----	1	-	-	1	7	64	2	-	8	15	166	196
Illinois-----	1	-	-	-	-	2	1	2	8	18	239	315
Michigan-----	-	3	-	2	12	46	1	4	23	21	350	285
Wisconsin-----	-	-	-	-	1	1	-	-	4	6	127	150
WEST NORTH CENTRAL-----	12	8	1	-	32	63	1	1	18	29	389	697
Minnesota-----	-	2	-	-	19	24	-	-	7	7	130	206
Iowa-----	5	5	-	-	4	14	1	-	5	10	92	179
Missouri-----	1	1	1	-	1	6	-	-	3	3	77	35
North Dakota-----	-	-	-	-	1	-	-	-	1	4	55	64
South Dakota-----	-	-	-	-	4	1	-	-	-	3	17	101
Nebraska-----	4	-	-	-	1	16	-	-	-	1	10	61
Kansas-----	2	-	-	-	2	2	-	1	2	1	8	51
SOUTH ATLANTIC-----	1	-	2	3	96	112	1	5	28	24	446	477
Delaware-----	-	-	-	-	-	-	-	-	-	1	4	14
Maryland-----	-	-	-	-	1	-	-	-	3	3	50	48
District of Columbia-----	-	-	-	-	-	1	-	-	-	-	8	7
Virginia-----	-	-	-	-	3	16	-	-	12	12	181	204
West Virginia-----	-	-	-	-	1	4	1	1	1	-	36	21
North Carolina-----	1	-	-	-	16	16	1	1	3	3	35	44
South Carolina-----	-	-	2	-	16	20	-	3	-	1	11	23
Georgia-----	-	-	1	1	19	24	-	2	1	53	57	-
Florida-----	-	-	1	-	40	31	-	-	7	3	68	59
EAST SOUTH CENTRAL-----	1	2	-	1	46	88	4	1	44	53	881	719
Kentucky-----	-	1	-	-	11	4	1	1	17	18	351	214
Tennessee-----	1	1	-	-	4	16	2	-	17	28	364	335
Alabama-----	-	-	-	-	17	47	-	-	10	4	102	73
Mississippi-----	-	-	1	-	14	21	1	-	-	3	64	97
WEST SOUTH CENTRAL-----	2	1	2	6	82	149	1	-	32	47	417	591
Arkansas-----	1	-	1	-	6	16	-	-	3	1	34	58
Louisiana-----	-	-	1	1	7	15	-	-	5	4	26	34
Oklahoma-----	-	-	-	2	11	45	-	-	1	4	55	36
Texas-----	1	1	1	3	58	73	1	-	23	38	302	463
MOUNTAIN-----	-	1	1	-	11	13	1	-	26	40	558	863
Montana-----	-	-	-	-	2	-	-	-	6	7	78	238
Idaho-----	-	-	-	-	1	-	-	-	4	7	34	112
Wyoming-----	-	-	-	-	1	3	-	-	1	6	16	46
Colorado-----	-	1	-	-	1	3	-	-	5	8	75	177
New Mexico-----	-	-	1	-	5	1	-	-	6	5	207	80
Arizona-----	-	-	-	-	1	5	1	-	3	6	104	181
Utah-----	-	-	-	-	-	1	-	-	-	1	23	27
Nevada-----	-	-	-	-	-	-	-	-	1	-	21	2
PACIFIC-----	2	2	-	-	5	24	14	5	48	52	1,039	1,240
Washington-----	-	-	-	-	-	2	-	-	6	16	155	284
Oregon-----	-	-	-	-	1	8	-	-	15	10	227	238
California-----	2	2	-	-	4	14	14	5	27	26	657	718
Alaska-----	-	-	-	-	-	-	-	-	-	10	29	43
Hawaii-----	-	-	-	-	-	-	-	-	3	-	16	15
Puerto Rico-----	-	-	-	1	11	16	-	-	-	4	32	75

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED APRIL 21, 1956 AND APRIL 20, 1957—Continued

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

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total ¹				Paralytic		Nonparalytic		110-117		085	
	16th week		Cumulative first 16 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-----	32	79	624	1,295	12	41	17	26	3	4	20,794	30,290
NEW ENGLAND-----	-	1	5	37	-	1	-	-	-	-	1,123	251
Maine-----	-	1	1	8	-	1	-	-	-	-	163	17
New Hampshire-----	-	-	-	2	-	-	-	-	-	-	4	1
Vermont-----	-	-	-	7	-	-	-	-	-	-	90	19
Massachusetts-----	-	-	1	18	-	-	-	-	-	-	454	132
Rhode Island-----	-	-	-	2	-	-	-	-	-	-	35	6
Connecticut-----	-	-	3	-	-	-	-	-	-	-	377	76
MIDDLE ATLANTIC-----	1	4	22	88	-	2	-	-	-	-	3,628	4,914
New York-----	1	4	16	63	-	2	-	-	-	-	1,334	1,848
New Jersey-----	-	-	2	8	-	-	-	-	-	-	1,385	662
Pennsylvania-----	-	-	4	17	-	-	-	-	-	-	909	2,404
EAST NORTH CENTRAL-----	3	10	68	98	1	3	1	5	-	-	3,540	8,727
Ohio-----	-	1	12	21	-	-	-	-	-	-	373	1,829
Indiana-----	1	-	18	7	-	-	1	-	-	-	495	1,013
Illinois-----	-	2	7	18	-	-	-	2	-	-	344	2,436
Michigan-----	1	4	22	31	1	1	-	2	-	-	913	2,291
Wisconsin-----	1	3	9	21	-	2	-	1	-	-	1,415	1,158
WEST NORTH CENTRAL-----	-	5	57	61	-	1	-	2	-	-	1,329	1,153
Minnesota-----	-	1	2	11	-	1	-	-	-	-	654	15
Iowa-----	-	4	4	15	-	-	-	2	-	-	383	337
Missouri-----	-	-	16	16	-	-	-	-	-	-	137	467
North Dakota-----	-	-	-	2	-	-	-	-	-	-	142	112
South Dakota-----	-	-	2	8	-	-	-	-	-	-	9	1
Nebraska-----	-	-	22	3	-	-	-	-	-	-	3	80
Kansas-----	-	-	11	6	-	-	-	-	-	-	1	141
SOUTH ATLANTIC-----	5	5	98	107	1	3	3	2	1	1	1,187	3,932
Delaware-----	-	-	1	1	-	-	-	-	-	-	8	42
Maryland-----	-	-	-	4	-	-	-	-	-	-	48	236
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	38	74
Virginia-----	2	-	11	4	-	-	2	-	-	-	259	1,810
West Virginia-----	-	2	4	6	-	2	-	-	-	-	19	546
North Carolina-----	1	-	13	25	-	-	-	-	-	-	61	636
South Carolina-----	-	-	22	8	-	-	-	-	-	-	236	338
Georgia-----	1	-	17	12	1	-	-	-	1	-	268	77
Florida-----	1	3	30	47	-	1	1	2	-	1	250	173
EAST SOUTH CENTRAL-----	1	3	43	52	1	-	-	1	1	-	2,778	2,778
Kentucky-----	-	-	2	19	-	-	-	-	1	-	1,478	1,112
Tennessee-----	-	1	12	8	-	-	-	1	-	-	772	1,217
Alabama-----	-	1	11	2	-	-	-	-	-	-	482	312
Mississippi-----	1	1	18	23	1	-	-	-	-	-	46	157
WEST SOUTH CENTRAL-----	7	19	140	286	3	14	4	4	-	3	1,866	5,314
Arkansas-----	1	-	8	10	-	-	1	-	-	-	43	537
Louisiana-----	1	7	26	47	-	7	1	-	-	-	20	349
Oklahoma-----	-	1	7	12	-	1	-	-	-	1	41	606
Texas-----	5	11	99	217	3	6	2	4	-	2	1,762	3,822
MOUNTAIN-----	2	7	45	82	1	2	1	2	-	-	1,503	1,391
Montana-----	-	-	2	5	-	-	-	-	-	-	51	214
Idaho-----	-	-	1	10	-	-	-	-	-	-	184	109
Wyoming-----	-	-	1	3	-	-	-	-	-	-	4	36
Colorado-----	-	-	8	7	-	-	-	-	-	-	189	494
New Mexico-----	-	1	3	4	-	-	-	-	-	-	219	211
Arizona-----	2	5	15	35	1	2	1	2	-	-	358	289
Utah-----	-	-	13	8	-	-	-	-	-	-	498	38
Nevada-----	-	1	2	10	-	-	-	-	-	-	-	-
PACIFIC-----	13	25	146	484	5	15	8	10	1	-	3,840	1,850
Washington-----	-	2	2	22	-	-	-	2	-	-	811	467
Oregon-----	3	2	16	35	3	1	-	1	-	-	634	75
California-----	10	21	128	427	2	14	8	7	1	-	2,395	1,288
Alaska-----	-	1	2	2	-	-	-	-	-	-	4	140
Hawaii-----	-	-	2	44	-	-	-	-	1	-	49	22
Puerto Rico-----	-	4	4	9	-	4	-	-	-	-	55	20

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

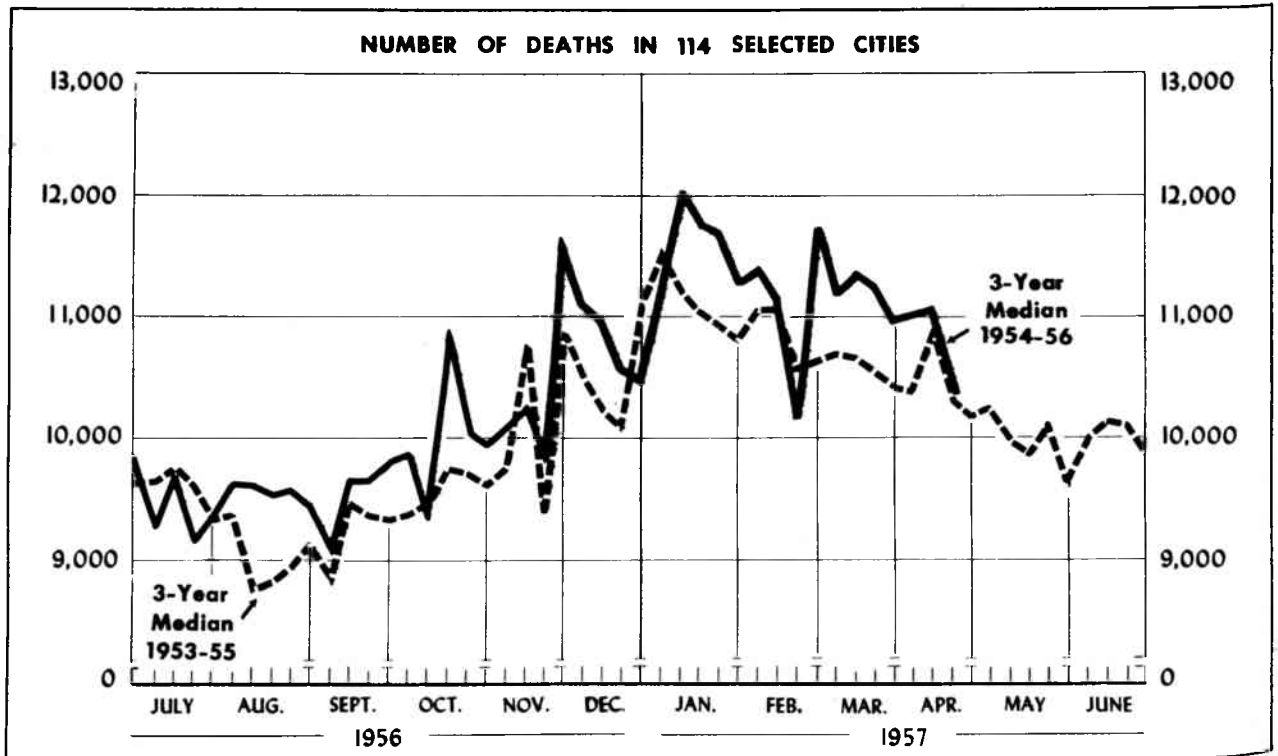
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED APRIL 21, 1956 AND APRIL 20, 1957—Continued
(By place of occurrence. Numbers under diseases are category numbers 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		16th week		Cumulative first 16 weeks		101	1957	1956
	1957	1956	1957	1957	1956	1957	1956	1957	1956	1957	1957	1956
CONT. UNITED STATES-----	43	49	25	4	7	12	35	302	416	2	104	135
NEW ENGLAND-----	3	2	1	-	-	-	-	11	16	-	-	-
Maine-----	-	-	1	-	-	-	-	1	9	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	1	-	-	-	-
Vermont-----	-	1	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	3	-	-	-	-	-	-	3	2	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	4	1	-	-	-
Connecticut-----	-	1	-	-	-	-	-	2	4	-	-	-
MIDDLE ATLANTIC-----	6	10	-	-	-	2	1	33	52	-	3	10
New York-----	1	3	-	-	-	1	-	14	17	-	3	4
New Jersey-----	-	2	-	-	-	-	-	9	3	-	-	-
Pennsylvania-----	5	5	-	-	-	1	1	10	32	-	-	6
EAST NORTH CENTRAL-----	4	10	-	-	-	3	4	34	59	-	12	20
Ohio-----	-	2	-	-	-	1	1	16	14	-	10	10
Indiana-----	-	-	-	-	-	1	-	8	6	-	1	3
Illinois-----	-	4	-	-	-	-	2	2	7	-	-	6
Michigan-----	1	2	-	-	-	1	-	6	11	-	-	-
Wisconsin-----	3	2	-	-	-	-	1	2	21	-	1	1
WEST NORTH CENTRAL-----	1	4	2	1	4	1	3	28	62	-	20	12
Minnesota-----	-	2	-	1	4	-	1	2	26	-	9	-
Iowa-----	1	1	-	-	-	-	-	7	10	-	4	4
Missouri-----	-	1	1	-	-	1	2	11	14	-	6	5
North Dakota-----	-	1	-	-	-	-	-	1	4	-	-	2
South Dakota-----	-	-	-	-	-	-	-	3	2	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	6	-	1	1
Kansas-----	-	-	-	-	-	-	-	4	-	-	-	-
SOUTH ATLANTIC-----	11	10	6	1	1	2	7	63	63	2	30	29
Delaware-----	1	-	-	-	1	-	-	-	1	-	-	4
Maryland-----	-	4	-	-	-	-	-	1	3	-	-	-
District of Columbia-----	-	-	-	-	-	1	1	4	6	-	-	-
Virginia-----	2	-	4	-	-	-	1	13	5	-	6	8
West Virginia-----	1	1	-	-	-	-	2	11	7	-	8	7
North Carolina-----	2	3	-	1	-	-	2	8	12	-	1	-
South Carolina-----	2	-	1	-	-	-	-	3	9	1	7	10
Georgia-----	2	1	1	-	-	1	2	7	11	1	-	-
Florida-----	1	2	-	-	-	-	-	16	9	-	8	-
EAST SOUTH CENTRAL-----	9	3	4	-	-	-	8	52	44	-	20	25
Kentucky-----	-	1	-	-	-	-	1	16	8	-	14	8
Tennessee-----	2	2	4	-	-	-	6	21	26	-	-	3
Alabama-----	5	-	-	-	-	-	1	3	3	-	6	14
Mississippi-----	2	-	-	-	-	-	-	12	7	-	-	-
WEST SOUTH CENTRAL-----	1	3	8	-	1	3	7	47	73	-	18	28
Arkansas-----	-	-	1	-	-	-	1	8	12	-	3	9
Louisiana-----	-	-	-	-	-	-	-	7	12	-	5	2
Oklahoma-----	-	2	4	-	-	-	3	7	13	-	1	-
Texas-----	1	1	3	-	1	3	3	25	36	-	9	17
MOUNTAIN-----	2	3	4	-	-	-	1	14	13	-	1	-
Montana-----	-	1	-	-	-	-	-	1	1	-	-	-
Idaho-----	-	-	-	-	-	-	-	1	1	-	-	-
Wyoming-----	-	1	-	-	-	-	-	-	-	-	-	-
Colorado-----	2	1	3	-	-	-	1	2	4	-	-	-
New Mexico-----	-	-	1	-	-	-	-	6	5	-	-	-
Arizona-----	-	-	-	-	-	-	-	4	2	-	1	-
Utah-----	-	-	-	-	-	-	-	-	1	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	6	4	-	2	1	1	2	20	34	-	-	11
Washington-----	-	-	-	-	1	-	-	-	-	-	-	-
Oregon-----	2	-	-	-	-	-	-	3	4	-	-	-
California-----	4	4	-	2	-	1	2	17	30	-	-	11
Alaska-----	-	1	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	1	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	2	11	18	-	-	1

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

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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	16th week ended Apr. 20, 1957	15th week ended Apr. 13, 1957	16th week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 16 WEEKS		
					1957	1956	Percent change
TOTAL: 110 REPORTING CITIES-----	9,247	9,875	9,167	+0.9	160,231	157,660	+1.6
New England----- (13 cities)	411	485	449	-8.5	7,781	7,577	+2.7
Middle Atlantic----- (20 cities)	3,052	3,235	3,172	-3.8	52,249	52,243	+0.0
East North Central----- (18 cities)	1,496	1,684	1,530	-2.2	26,168	25,935	+0.9
West North Central----- (8 cities)	700	685	816	-14.2	12,080	11,936	+1.2
South Atlantic----- (11 cities)	910	920	859	+5.9	15,311	14,860	+3.0
East South Central----- (8 cities)	446	489	455	-2.0	7,998	7,969	+0.4
West South Central----- (12 cities)	700	744	586	+19.5	12,176	11,198	+8.7
Mountain----- (8 cities)	296	302	235	+26.0	4,453	4,124	+8.0
Pacific----- (12 cities)	1,236	1,331	1,296	-4.6	22,015	21,818	+0.9

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Table 4. DEATHS IN SELECTED CITIES

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

AREA	16th week ended	15th week ended	CUMULATIVE NUMBER FIRST 16 WEEKS		AREA	16th week ended	15th week ended	CUMULATIVE NUMBER FIRST 16 WEEKS	
	Apr. 20, 1957	Apr. 13, 1957	1957	1956		Apr. 20, 1957	Apr. 13, 1957	1957	1956
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	---	(218)	---	(3,955)	St. Louis, Mo.-----	231	217	3,923	4,091
Bridgeport, Conn.-----	34	39	619	596	St. Paul, Minn.-----	51	70	1,073	1,082
Cambridge, Mass.-----	26	29	506	521	Wichita, Kans.-----	52	33	732	659
Fall River, Mass.-----	20	30	447	473	SOUTH ATLANTIC				
Hartford, Conn.-----	36	61	848	788	Atlanta, Ga.-----	97	127	1,879	1,833
Lowell, Mass.-----	41	24	454	404	Baltimore, Md.-----	242	267	4,024	3,875
Lynn, Mass.-----	16	27	352	343	Charlotte, N. C.-----	36	33	592	511
New Bedford, Mass.-----	13	31	439	402	Jacksonville, Fla.-----	56	63	927	880
New Haven, Conn.-----	51	42	765	817	Miami, Fla.-----	55	51	816	872
Providence, R. I.-----	62	67	1,051	1,052	Norfolk, Va.-----	33	34	592	564
Somerville, Mass.-----	8	13	216	267	Richmond, Va.-----	77	72	1,231	1,173
Springfield, Mass.-----	41	47	717	693	Savannah, Ga.-----	21	30	492	461
Waterbury, Conn.-----	18	18	410	413	Tampa, Fla.-----	74	53	1,089	1,011
Worcester, Mass.-----	45	57	957	808	Washington, D. C.-----	186	164	3,073	3,078
MIDDLE ATLANTIC					Wilmington, Del.-----	33	26	596	602
Albany, N. Y.-----	49	51	836	833	EAST SOUTH CENTRAL				
Allentown, Pa.-----	44	48	645	618	Birmingham, Ala.-----	72	86	1,266	1,288
Buffalo, N. Y.-----	145	88	2,397	2,326	Chattanooga, Tenn.-----	35	55	777	702
Camden, N. J.-----	34	38	642	642	Knoxville, Tenn.-----	21	40	495	615
Elizabeth, N. J.-----	17	31	456	478	Louisville, Ky.-----	101	71	1,780	1,774
Erie, Pa.-----	27	43	568	563	Memphis, Tenn.-----	103	127	1,744	1,682
Jersey City, N. J.-----	56	64	1,161	1,252	Mobile, Ala.-----	41	34	562	549
Newark, N. J.-----	108	73	1,761	1,621	Montgomery, Ala.-----	21	14	364	469
New York City, N. Y.-----	1,595	1,670	26,411	26,220	Nashville, Tenn.-----	52	62	1,010	890
Peterboro, N. J.-----	37	44	645	610	WEST SOUTH CENTRAL				
Philadelphia, Pa.-----	485	514	8,088	8,199	Austin, Tex.-----	20	37	500	495
Pittsburgh, Pa.-----	130	179	2,911	3,158	Baton Rouge, La.-----	19	28	431	358
Reading, Pa.-----	22	28	390	371	Corpus Christi, Tex.-----	26	24	330	299
Rochester, N. Y.-----	79	90	1,549	1,605	Dallas, Tex.-----	106	118	1,837	1,697
Schenectady, N. Y.-----	20	32	369	378	El Paso, Tex.-----	33	41	491	451
Scranton, Pa.-----	47	42	641	562	Fort Worth, Tex.-----	65	61	1,009	965
Syracuse, N. Y.-----	58	66	952	990	Houston, Tex.-----	154	150	2,480	2,187
Trenton, N. J.-----	34	57	766	754	Little Rock, Ark.-----	59	49	912	772
Utica, N. Y.-----	35	46	548	527	New Orleans, La.-----	---	(146)	---	(2,779)
Yonkers, N. Y.-----	30	31	513	536	Oklahoma City, Okla.-----	60	40	1,024	1,047
EAST NORTH CENTRAL					San Antonio, Tex.-----	95	94	1,581	1,421
Akron, Ohio-----	46	55	882	882	Shreveport, La.-----	27	56	771	752
Canton, Ohio-----	34	31	518	461	Tulsa, Okla.-----	36	46	810	754
Chicago, Ill.-----	---	(768)	---	(12,409)	MOUNTAIN				
Cincinnati, Ohio-----	145	155	2,577	2,624	Albuquerque, N. Mex.-----	24	37	403	385
Cleveland, Ohio-----	212	236	3,470	3,436	Colorado Springs, Colo.-----	15	17	231	228
Columbus, Ohio-----	116	130	1,843	1,833	Denver, Colo.-----	129	129	1,866	1,798
Dayton, Ohio-----	65	61	1,211	1,105	Ogden, Utah-----	13	10	201	204
Detroit, Mich.-----	322	318	5,397	5,347	Phoenix, Ariz.-----	22	26	491	448
Evansville, Ind.-----	33	27	502	579	Pueblo, Colo.-----	11	10	212	208
Flint, Mich.-----	37	33	622	610	Salt Lake City, Utah-----	60	57	713	762
Fort Wayne, Ind.-----	28	42	571	600	Tucson, Ariz.-----	22	16	336	91
Gary, Ind.-----	25	49	478	468	PACIFIC				
Grand Rapids, Mich.-----	45	49	654	690	Berkeley, Calif.-----	16	15	310	301
Indianapolis, Ind.-----	97	138	1,984	1,945	Long Beach, Calif.-----	53	53	921	864
Milwaukee, Wis.-----	109	142	2,110	2,026	Los Angeles, Calif.-----	436	484	8,051	8,131
Peoria, Ill.-----	29	27	475	440	Oakland, Calif.-----	80	125	1,591	1,566
South Bend, Ind.-----	21	17	397	396	Pasadena, Calif.-----	31	25	603	609
Toledo, Ohio-----	79	119	1,543	1,587	Portland, Oreg.-----	87	87	1,553	1,590
Youngstown, Ohio-----	53	55	934	906	Sacramento, Calif.-----	53	42	853	816
WEST NORTH CENTRAL					San Diego, Calif.-----	91	89	1,351	1,213
Des Moines, Iowa-----	45	57	878	834	San Francisco, Calif.-----	163	184	3,199	3,314
Duluth, Minn.-----	13	21	410	417	Seattle, Wash.-----	143	118	2,173	2,059
Kansas City, Kans.-----	---	(30)	---	(500)	Spokane, Wash.-----	49	59	757	757
Kansas City, Mo.-----	150	102	1,934	1,762	Tacoma, Wash.-----	34	50	653	598
Minneapolis, Minn.-----	102	130	1,987	2,017	Honolulu, Hawaii-----	(23)	(36)	(645)	(570)
Omaha, Nebr.-----	56	55	1,143	1,074					

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

Morbidity and Mortality Weekly Report

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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