

# 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 June 8, 1957

### EPIDEMIOLOGICAL REPORTS

#### Influenza

Additional reports of outbreaks of influenza have been received by the World Health Organization. These include reports from Thailand and Viet Nam. The extensive epidemic which was first reported in Hong Kong late in April was followed in rapid succession by reports from Malay, Taiwan (Formosa), the Philippines, Indonesia, Japan, and India. In Japan the disease has spread to 32 prefectures. A type A virus has been isolated which is said to be different from that recovered in December 1956. In India influenza has been reported to have occurred successively in Madras, Bombay, Calcutta, and New Delhi. Schools and other places of public assembly have been closed. A type A influenza virus has been isolated but its relationship to the new Far East strains has not yet been defined.

The Walter Reed Army Institute of Research has reported that an influenza virus recovered from a throat washing taken in Taiwan is antigenically similar to other Far East/57 viruses. They also report that 5 of 7 paired sera from the Philippines show significant rises in titer against the Far East virus.

Reports have been received of influenza in Guam where the disease was first noted in arrivals from the Philippines. The attack rates have not been in excess of 1 percent to date. A virus has been isolated by the 406th Army General Medical Laboratory in Japan but the agent has not yet been typed.

Illness clinically resembling influenza has been reported among passengers and crews of several ships enroute from the Far East to ports in the United States. Generally these outbreaks on ships have affected about 10 to 15 percent of persons aboard; and the outbreaks have about run their course by the time the ships docked in ports on the west coast. Passen-

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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	23d WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended June 8, 1957	Ended June 9, 1956	Median 1952-56	First 23 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	-	-	1	10	27	18	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	-	-	6	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	26	29	35	434	437	676	(1)	(1)	(1)	(1)
Diphtheria-----055	12	43	32	422	775	822	1,177	2,105	2,136	July 1
Encephalitis, infectious-----082	36	38	35	596	667	592	36	38	35	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	298	374	515	8,224	10,779	15,447	13,423	18,282	---	Sept. 1
Malaria-----110-117	3	3	12	39	85	181	(1)	(1)	(1)	(1)
Measles-----085	16,820	24,249	22,545	385,537	492,125	492,125	422,741	521,223	521,223	Sept. 1
Meningococcal infections-----057	52	37	64	1,266	1,527	2,414	1,997	2,450	3,643	Sept. 1
Meningitis, other-----340	43	25	---	772	655	---	---	---	---	---
Poliomyelitis-----080	74	177	224	1,038	2,040	2,833	511	973	1,302	Apr. 1
Paralytic-----080.0,080.1	25	85	---	493	1,079	---	219	496	---	Apr. 1
Nonparalytic-----080.2	41	71	---	396	611	---	233	326	---	Apr. 1
Unspecified-----080.3	8	21	---	149	350	---	59	151	---	Apr. 1
Psittacosis-----096.2	5	23	9	132	205	155	(1)	(1)	(1)	(1)
Rabies in man-----094	2 <sup>1</sup>	-	-	3	5	3	(1)	(1)	(1)	(1)
Typhoid fever-----040	21	40	40	459	720	698	202	408	312	Apr. 1
Typhus fever, endemic-----101	5	2	6	50	36	64	25	17	34	Apr. 1
Rabies in animals-----	81	96	128	2,307	2,625	3,722	3,271	3,652	5,237	Oct. 1

<sup>1</sup>Data show no pronounced seasonal change in incidence.

<sup>2</sup>Reported in Indiana.

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

## Morbidity and Mortality Weekly Report

## EPIDEMIOLOGICAL REPORTS—Continued

gers also are arriving in large numbers by airplane. Both airplane and ship passengers from the Far East are being warned of the possibility of developing influenza following their entrance into the United States and are being advised to consult their own physicians should illness develop. As yet no virus isolations or positive serologic tests on civilians or military personnel after arriving from Asia have been reported, nor has any influenza-like illness been reported in persons having contact with such arrivals.

Dr. A. C. Hollister, California Department of Public Health, reports a number of cases of upper respiratory infections in Orange County, but none has been confirmed as influenza. For the State as a whole the impression of health authorities is that respiratory disease has not increased.

Rabies in man

Dr. A. L. Marshall, Indiana State Board of Health, has reported a case of rabies in a 15-month-old child. The infant became ill with convulsions and was admitted to a hospital and later transferred to another. Upon admission to the latter the infant had a fever, convulsions, anorexia, nausea, vomiting, and was in a stupor. A ruptured, bleeding duodenal ulcer was observed and was thought to be a Curling's ulcer. Microscopic studies indicated changes in the brain tissue compatible with a diagnosis of rabies. An investigation revealed that about 3 weeks prior to the onset of illness the parents were awakened by the child crying. The child slept with the parents. In trying to determine the cause of the child's discomfort, they noticed a bloody spot on the left index finger. The parents did not see any animal but attributed the lesion to an animal bite. Their home is near the city dump and there were signs of rodents in and about the home. There was no evidence of bats. Live rats have been trapped and transferred to Purdue University for observation and laboratory study. Fresh brain tissue of the autopsy material have been frozen. Some of the material was thawed and inoculated into mice. At this time no changes have been observed in any of the mice. The remainder of the fresh

brain tissue has been forwarded to the Communicable Disease Center, Atlanta, Georgia, for attempted virus isolation. Laboratory studies are still in progress.

Plague infection

Mr. Bertram Gross, Chief, Bureau of Rodent Control, Hawaii Department of Health, has reported the finding of one plague infection (positive for *Pasteurella pestis*) within the endemic area of the Hamakua District, Hawaii, on May 14, 1957. This is the first finding for the year and was in a mass flea inoculation of 17 *Leptopsylla segnis*. These fleas were obtained from 4 mice, *Mus musculus*; a male rat, *Rattus rattus*; and a female rat, *R. alexandrinus*; all trapped in District 1A, Kukuiahae area.

Trichiniasis

Dr. I. J. Tartakow, Nassua County (New York State) Health Department, has reported 4 cases of trichiniasis in 1 family. All 4 became ill with fever and chills and had eosinophiles ranging from 7 to 40 percent. The vehicle of infection was not determined but 3 food items were suspected. One item was fresh ham which had been cooked for 5 hours. This was eaten by 12 guests who were unaffected. Sausage had been eaten by the family 1 week before onset. Chopped beef, eaten several times in the 2 weeks before onset, may have contained pork fragments from a meatgrinder.

Gastro-enteritis

The New York State Department of Health has reported 2 outbreaks of gastro-enteritis with 38 cases each. These both resulted from turkey meat, and *Staphylococcus aureus* was found in samples of the meat served in both instances. One of the outbreaks was among persons who ate in a restaurant. The meat was from a local food plant. The supplier had no complaints about the other birds from the same lot. No evidence of improper handling was noted in the restaurant. The other outbreak was among members of a club. Turkey meat eaten at a luncheon had been left unrefrigerated overnight.

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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 JUNE 9, 1956 AND JUNE 8, 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		23d week		Cumulative first 23 weeks		082		23d week		Cumulative first 23 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONF. UNITED STATES-----	26	29	12	43	422	775	36	38	298	374	8,224	10,779
NEW ENGLAND-----												
Maine-----	-	1	2	-	17	7	1	2	18	40	439	717
New Hampshire-----	-	-	-	-	3	-	-	-	7	12	127	174
Vermont-----	-	-	-	-	-	1	✓	-	-	-	8	25
Massachusetts-----	-	1	-	-	-	-	-	-	-	4	82	96
Rhode Island-----	-	-	2	-	14	6	1	-	4	12	118	165
Connecticut-----	-	-	-	-	-	-	-	1	2	7	35	89
MIDDLE ATLANTIC-----												
New York-----	1	-	-	1	35	33	10	13	39	76	1,204	2,284
New Jersey-----	-	-	-	1	20	11	10	13	27	38	693	1,169
Pennsylvania-----	1	-	-	-	7	10	-	-	2	9	175	199
EAST NORTH CENTRAL-----												
Ohio-----	-	-	-	-	8	12	-	-	10	29	336	916
Indiana-----	11	9	1	15	34	158	3	2	50	70	1,522	1,716
Illinois-----	-	-	-	-	7	13	-	-	11	9	382	411
Michigan-----	-	-	1	7	9	81	-	2	6	6	220	264
Wisconsin-----	6	9	-	-	3	3	-	-	7	21	316	413
WEST NORTH CENTRAL-----												
Minnesota-----	-	-	-	8	14	60	2	-	20	23	439	446
Iowa-----	5	-	-	-	1	1	1	-	6	11	165	182
Missouri-----	7	6	2	36	81	3	-	-	21	30	508	927
North Dakota-----	1	2	-	20	25	-	-	-	8	10	176	271
South Dakota-----	4	3	-	4	17	-	-	-	6	13	126	248
Nebraska-----	-	-	1	1	9	-	-	-	2	1	93	50
Kansas-----	1	-	-	-	1	-	1	-	1	2	62	78
SOUTH ATLANTIC-----												
Delaware-----	-	-	-	5	3	2	-	-	-	-	-	-
Maryland-----	2	5	5	8	125	157	4	3	22	28	611	656
District of Columbia-----	-	-	-	-	-	-	-	-	-	1	5	20
Virginia-----	-	2	-	-	1	-	-	-	4	2	70	57
West Virginia-----	2	1	-	-	-	1	1	-	-	1	9	10
North Carolina-----	-	-	-	1	2	5	-	-	2	-	50	28
South Carolina-----	-	-	3	18	22	1	-	-	3	2	47	59
Georgia-----	-	-	2	4	20	36	-	1	1	3	15	32
Florida-----	1	2	-	-	25	26	2	-	3	6	70	90
EAST SOUTH CENTRAL-----												
Kentucky-----	-	1	-	-	53	46	-	-	5	4	105	83
Tennessee-----	3	1	1	2	61	99	6	2	60	28	1,175	919
Alabama-----	1	-	-	-	11	5	-	-	35	5	520	271
Mississippi-----	1	1	1	1	7	19	1	-	14	18	444	430
WEST SOUTH CENTRAL-----												
Arkansas-----	1	-	-	1	24	49	5	2	8	1	133	93
Louisiana-----	1	-	-	-	19	26	-	-	3	4	78	125
Oklahoma-----	2	6	2	10	94	193	-	3	24	21	591	805
Texas-----	-	2	-	-	6	17	-	-	2	2	48	78
MOUNTAIN-----												
Montana-----	1	-	-	-	8	20	-	-	2	3	34	62
Idaho-----	1	3	-	-	15	51	-	-	3	5	81	56
Wyoming-----	-	-	-	10	65	105	-	3	17	11	428	609
Colorado-----	-	-	1	1	14	15	-	-	12	20	752	1,045
New Mexico-----	-	-	-	-	3	-	-	-	1	3	104	271
Arizona-----	-	-	-	-	1	1	-	-	1	5	47	138
Utah-----	-	-	-	-	1	3	-	-	-	1	27	57
Nevada-----	-	-	-	-	2	3	-	-	4	9	106	228
PACIFIC-----												
Washington-----	-	-	-	-	6	32	9	13	52	61	1,422	1,710
Oregon-----	-	1	-	4	-	5	-	-	2	16	209	369
California-----	-	-	-	-	2	8	-	-	7	16	290	333
Alaska-----	-	1	-	2	4	19	9	13	43	29	923	1,008
Hawaii-----	-	-	-	-	-	-	-	-	4	1	47	58
Puerto Rico-----	-	-	1	1	-	-	-	-	1	-	20	22
	-	-	-	-	30	23	-	-	-	4	81	112

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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 JUNE 9, 1956 AND JUNE 8, 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 <sup>1</sup>				Paralytic		Nonparalytic		110-117		085	
	23d week		Cumulative first 23 weeks		080.0,080.1		080.2					
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	74	177	1,038	2,040	25	85	41	71	3	3	16,820	24,249
NEW ENGLAND-----	-	6	9	53	-	3	-	3	-	-	1,577	376
Maine-----	-	1	1	9	-	-	-	1	-	-	199	30
New Hampshire-----	-	-	-	2	-	-	-	-	-	-	17	9
Vermont-----	-	-	2	8	-	-	-	-	-	-	133	86
Massachusetts-----	-	3	2	24	-	3	-	-	-	-	627	112
Rhode Island-----	-	-	-	2	-	-	-	-	-	-	6	13
Connecticut-----	-	2	4	8	-	-	-	2	-	-	595	126
MIDDLE ATLANTIC-----	1	8	30	124	-	2	-	2	-	-	3,476	5,352
New York-----	-	4	19	85	-	1	-	1	-	-	1,523	2,194
New Jersey-----	1	3	3	14	-	1	-	1	-	-	1,258	1,170
Pennsylvania-----	-	1	8	25	-	-	-	-	-	-	695	1,988
EAST NORTH CENTRAL-----	1	17	92	177	-	8	1	5	1	-	3,582	6,908
Ohio-----	-	-	17	30	-	-	-	-	-	-	208	1,640
Indiana-----	-	-	19	9	-	-	-	-	-	-	241	729
Illinois-----	1	12	13	56	-	6	1	2	1	-	368	1,399
Michigan-----	-	3	31	48	-	-	-	3	-	-	858	2,018
Wisconsin-----	-	2	12	34	-	2	-	-	-	-	1,907	1,122
WEST NORTH CENTRAL-----	3	7	79	109	1	4	-	3	-	-	1,011	1,401
Minnesota-----	-	4	3	19	-	3	-	1	-	-	178	58
Iowa-----	-	1	5	32	-	-	-	1	-	-	566	1,009
Missouri-----	1	2	23	26	1	1	-	1	-	-	75	138
North Dakota-----	-	-	1	2	-	-	-	-	-	-	147	80
South Dakota-----	2	-	4	9	-	-	-	-	-	-	29	12
Nebraska-----	-	-	28	11	-	-	-	-	-	-	16	81
Kansas-----	-	-	15	10	-	-	-	-	-	-	-	23
SOUTH ATLANTIC-----	13	23	140	176	6	9	5	9	-	-	1,150	2,574
Delaware-----	-	1	1	3	-	-	-	1	-	-	10	75
Maryland-----	-	3	-	7	-	2	-	1	-	-	60	131
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	34	30
Virginia-----	1	4	17	11	1	3	-	1	-	-	147	876
West Virginia-----	1	-	5	11	-	-	-	1	-	-	79	235
North Carolina-----	2	2	20	33	1	-	-	2	-	-	23	264
South Carolina-----	3	3	30	15	3	-	-	1	-	-	320	410
Georgia-----	-	2	19	15	-	1	-	-	-	-	225	293
Florida-----	6	8	48	81	1	3	3	3	-	-	252	260
EAST SOUTH CENTRAL-----	6	1	65	87	2	-	2	1	1	-	974	2,124
Kentucky-----	-	-	6	27	-	-	-	-	-	-	234	551
Tennessee-----	1	1	16	18	-	-	1	1	1	-	295	1,072
Alabama-----	2	-	16	6	-	-	-	-	-	-	435	391
Mississippi-----	3	-	27	36	2	-	1	-	-	-	10	110
WEST SOUTH CENTRAL-----	29	50	307	527	13	28	16	19	-	1	1,155	2,314
Arkansas-----	-	1	17	14	-	1	-	-	-	-	12	280
Louisiana-----	5	8	50	94	1	6	4	2	-	-	7	227
Oklahoma-----	4	3	12	25	1	-	3	-	-	-	19	139
Texas-----	20	38	228	394	11	21	9	17	-	1	1,117	1,668
MOUNTAIN-----	5	15	80	112	1	5	3	7	-	-	1,030	1,006
Montana-----	-	1	3	7	-	-	-	1	-	-	94	121
Idaho-----	-	2	3	15	-	2	-	-	-	-	180	154
Wyoming-----	-	1	4	4	-	-	-	1	-	-	4	7
Colorado-----	2	-	15	10	-	-	2	-	-	-	105	409
New Mexico-----	2	2	10	9	1	-	-	-	-	-	154	182
Arizona-----	1	8	24	47	-	3	1	5	-	-	311	102
Utah-----	-	-	19	8	-	-	-	-	-	-	176	51
Nevada-----	-	1	2	12	-	-	-	-	-	-	6	-
PACIFIC-----	16	50	236	675	2	26	14	22	1	2	2,865	2,194
Washington-----	-	4	2	29	-	2	-	-	-	-	481	537
Oregon-----	1	2	20	42	-	1	1	1	-	-	763	65
California-----	15	44	214	604	2	23	13	21	1	2	1,621	1,592
Alaska-----	-	-	2	4	-	-	-	-	-	-	16	151
Hawaii-----	-	1	2	49	-	1	-	-	-	-	40	99
Puerto Rico-----	1	1	5	21	1	-	-	1	-	-	47	32

<sup>1</sup>Includes cases not specified by type, category number 080.3.

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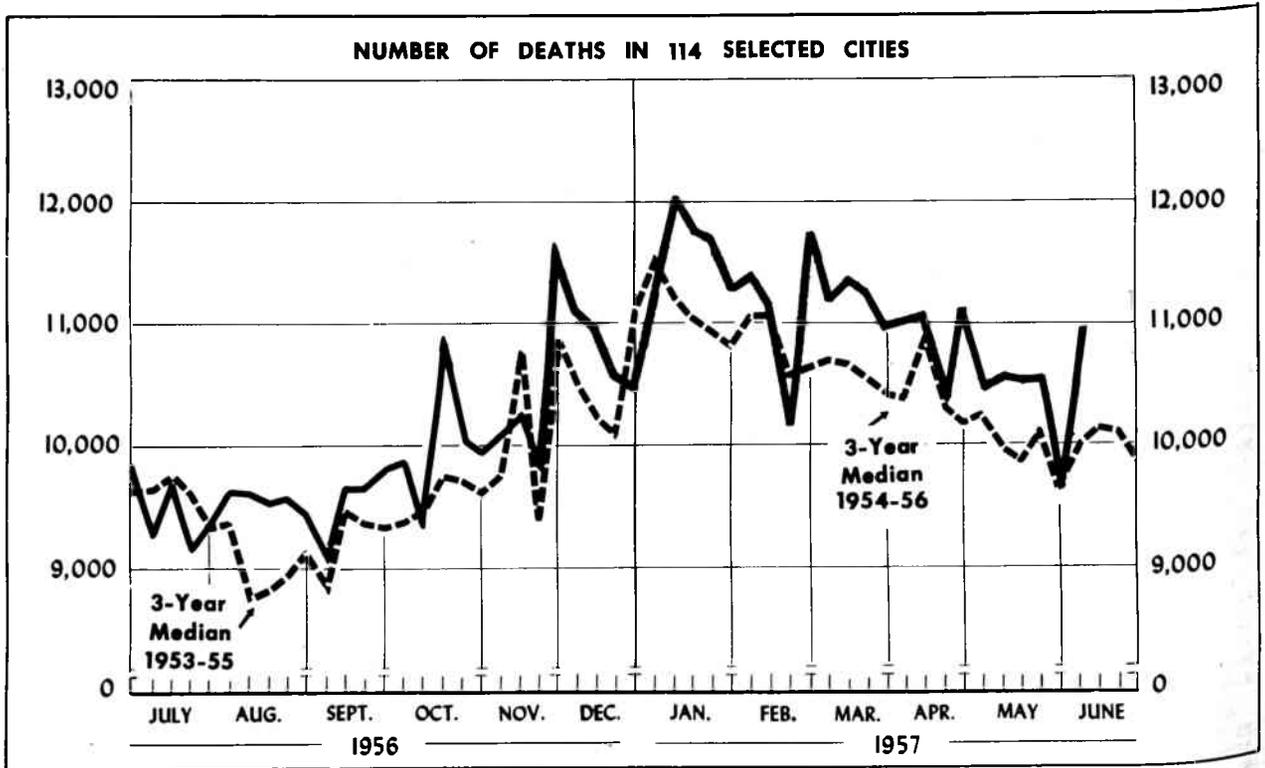
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JUNE 9, 1956 AND JUNE 8, 1957—Continued

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

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER 340	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC 101	RABIES IN ANIMALS	
	057			096.2		23d week		Cumulative first 23 weeks			1957	1957
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1957		
CONT. UNITED STATES-----	52	37	43	5	23	21	40	459	720	5	61	96
NEW ENGLAND-----	1	2	3	1	-	1	1	13	27	-	-	-
Maine-----	-	-	3	-	-	-	-	1	10	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	1	-	-	-	-
Vermont-----	1	-	-	-	-	-	-	-	1	-	-	-
Massachusetts-----	-	1	-	-	-	1	-	5	7	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	4	2	-	-	-
Connecticut-----	-	1	-	1	-	-	1	2	7	-	-	-
MIDDLE ATLANTIC-----	6	2	-	1	1	1	7	50	96	-	5	8
New York-----	4	1	-	-	-	-	1	18	25	-	4	3
New Jersey-----	-	1	-	-	-	-	1	13	8	-	-	-
Pennsylvania-----	2	-	-	1	1	1	5	19	63	-	1	5
EAST NORTH CENTRAL-----	14	8	10	-	2	1	4	51	109	-	7	14
Ohio-----	1	1	-	-	-	1	2	23	24	-	-	-
Indiana-----	1	1	-	-	-	-	-	11	11	-	4	8
Illinois-----	5	2	10	-	1	-	-	6	14	-	2	5
Michigan-----	6	1	-	-	1	-	2	6	28	-	-	-
Wisconsin-----	1	3	-	-	-	-	-	5	32	-	1	1
WEST NORTH CENTRAL-----	6	4	-	1	7	1	7	33	106	1	10	22
Minnesota-----	3	1	-	-	7	-	-	4	31	-	1	2
Iowa-----	-	1	-	-	-	-	3	7	38	-	7	12
Missouri-----	1	2	-	1	-	1	-	14	19	1	2	3
North Dakota-----	-	-	-	-	-	-	-	1	5	-	-	-
South Dakota-----	-	-	-	-	-	-	-	3	2	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	7	-	-	5
Kansas-----	2	-	-	-	-	-	4	4	4	-	-	-
SOUTH ATLANTIC-----	10	5	11	-	4	2	10	93	122	1	24	8
Delaware-----	-	-	-	-	-	-	-	1	1	-	-	2
Maryland-----	1	1	2	-	-	-	-	2	8	-	-	-
District of Columbia-----	1	-	-	-	-	-	1	6	10	-	-	-
Virginia-----	1	-	3	-	3	-	1	16	19	-	8	2
West Virginia-----	-	-	-	-	-	1	1	15	12	-	4	1
North Carolina-----	2	2	-	-	1	-	-	10	16	-	2	-
South Carolina-----	-	-	-	-	-	-	2	4	13	1	6	2
Georgia-----	3	1	6	-	-	1	3	16	26	-	1	-
Florida-----	2	1	-	-	-	-	1	23	17	-	3	1
EAST SOUTH CENTRAL-----	6	4	8	-	8	6	4	80	75	-	23	9
Kentucky-----	1	1	1	-	-	1	-	22	15	-	11	8
Tennessee-----	3	-	5	-	8	4	3	37	41	-	3	1
Alabama-----	2	2	-	-	-	-	1	7	6	-	9	-
Mississippi-----	-	1	2	-	-	1	-	14	13	-	-	-
WEST SOUTH CENTRAL-----	3	1	7	1	-	6	3	87	116	3	9	28
Arkansas-----	-	-	3	-	-	1	2	15	22	-	-	1
Louisiana-----	2	1	-	-	-	-	-	14	23	-	2	16
Oklahoma-----	-	-	4	-	-	1	-	12	17	-	-	-
Texas-----	1	-	-	1	-	4	1	46	54	3	7	11
MOUNTAIN-----	1	3	2	-	-	1	1	22	19	-	1	-
Montana-----	-	1	-	-	-	-	-	2	-	-	-	-
Idaho-----	-	-	-	-	-	-	-	1	1	-	-	-
Wyoming-----	1	-	-	-	-	-	1	2	2	-	-	-
Colorado-----	-	1	2	-	-	1	-	6	6	-	-	-
New Mexico-----	-	-	-	-	-	-	-	6	7	-	1	-
Arizona-----	-	-	-	-	-	-	-	5	2	-	-	-
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	1	-	-	-	-	-	-	1	-	-	-
PACIFIC-----	5	8	2	1	1	2	3	30	50	-	2	7
Washington-----	-	1	2	-	-	-	-	1	1	-	-	-
Oregon-----	-	1	-	-	-	-	1	3	6	-	-	-
California-----	5	6	-	1	1	2	2	26	43	-	2	7
Alaska-----	-	3	-	-	-	-	-	1	-	-	-	-
Hawaii-----	1	-	-	-	-	-	-	2	-	-	-	-
Puerto Rico-----	-	-	1	-	-	-	2	12	22	-	1	-

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 38 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	23d week ended June 8, 1957	22d week ended June 1, 1957	23d week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 23 WEEKS		
					1957	1956	Percent change
TOTAL: 110 REPORTING CITIES-----	10,639	9,274	9,633	+10.4	245,465	241,495	+1.6
New England----- (13 cities)	436	395	438	-0.5	10,984	10,714	+2.5
Middle Atlantic----- (20 cities)	3,033	2,761	2,820	+7.6	73,572	73,851	-0.4
East North Central----- (17 cities)	2,433	1,966	2,166	+12.3	52,755	52,175	+1.1
West North Central----- (8 cities)	796	670	689	+15.5	17,212	16,795	+2.5
South Atlantic----- (11 cities)	829	807	794	+4.4	21,330	20,862	+2.2
East South Central----- (8 cities)	436	468	445	-2.0	11,294	11,162	+1.2
West South Central----- (13 cities)	979	841	810	+20.9	21,072	19,586	+7.6
Mountain----- (8 cities)	298	219	217	+37.3	6,270	5,828	+7.6
Pacific----- (12 cities)	1,399	1,147	1,205	+16.1	30,976	30,522	+1.5

# Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

AREA	23d week ended June 8, 1957	22d week ended June 1, 1957	CUMULATIVE NUMBER FIRST 23 WEEKS		AREA	23d week ended June 8, 1957	22d week ended June 1, 1957	CUMULATIVE NUMBER FIRST 23 WEEKS	
			1957	1956				1957	1956
<b>NEW ENGLAND</b>					<b>WEST NORTH CENTRAL—Con.</b>				
Boston, Mass.	---	(212)	---	(5,585)	St. Louis, Mo.	252	204	5,506	5,637
Bridgeport, Conn.	30	42	869	851	St. Paul, Minn.	58	66	1,585	1,528
Cambridge, Mass.	34	26	723	722	Wichita, Kans.	62	26	1,037	935
Fall River, Mass.	28	26	640	683	<b>SOUTH ATLANTIC</b>				
Hartford, Conn.	46	48	1,176	1,112	Atlanta, Ga.	84	109	2,566	2,592
Lowell, Mass.	21	19	630	578	Baltimore, Md.	230	217	5,628	5,404
Lynn, Mass.	11	11	483	504	Charlotte, N. C.	33	22	774	728
New Bedford, Mass.	25	19	619	550	Jacksonville, Fla.	58	52	1,260	1,233
New Haven, Conn.	46	35	1,081	1,117	Miami, Fla.	41	50	1,148	1,209
Providence, R. I.	60	48	1,484	1,461	Norfolk, Va.	37	25	848	770
Somerville, Mass.	17	10	331	387	Richmond, Va.	70	50	1,716	1,639
Springfield, Mass.	32	40	1,011	979	Savannah, Ga.	30	25	686	670
Waterbury, Conn.	50	24	594	600	Tampa, Fla.	52	52	1,516	1,409
Worcester, Mass.	56	47	1,343	1,170	Washington, D. C.	153	171	4,329	4,394
					Wilmingon, Del.	41	34	859	814
<b>MIDDLE ATLANTIC</b>					<b>EAST SOUTH CENTRAL</b>				
Albany, N. Y.	42	49	1,177	1,164	Birmingham, Ala.	70	73	1,798	1,816
Allentown, Pa.	34	35	884	913	Chatanooga, Tenn.	36	41	1,082	995
Buffalo, N. Y.	144	81	3,373	3,343	Knoxville, Tenn.	24	19	687	835
Camden, N. J.	48	26	917	903	Louisville, Ky.	90	93	2,497	2,506
Elizabeth, N. J.	28	32	673	686	Memphis, Tenn.	86	101	2,470	2,323
Erie, Pa.	45	31	812	793	Mobile, Ala.	42	50	834	761
Jersey City, N. J.	67	62	1,586	1,708	Montgomery, Ala.	30	27	526	676
Newark, N. J.	131	58	2,480	2,313	Nashville, Tenn.	58	64	1,400	1,250
New York City, N. Y.	1,442	1,468	37,065	37,233	<b>WEST SOUTH CENTRAL</b>				
Paterson, N. J.	48	19	934	860	Austin, Tex.	39	24	696	676
Philadelphia, Pa.	493	425	11,414	11,497	Baton Rouge, La.	18	21	614	529
Pittsburgh, Pa.	190	172	4,217	4,388	Corpus Christi, Tex.	20	21	477	429
Reading, Pa.	18	25	545	525	Dallas, Tex.	92	107	2,559	2,415
Rochester, N. Y.	92	86	2,225	2,227	El Paso, Tex.	34	27	683	633
Schenectady, N. Y.	20	11	505	537	Fort Worth, Tex.	71	68	1,447	1,340
Scranton, Pa.	44	38	900	836	Houston, Tex.	162	143	3,489	3,120
Syracuse, N. Y.	53	55	1,344	1,400	Little Rock, Ark.	53	57	1,244	1,088
Trenton, N. J.	31	33	1,039	1,073	New Orleans, La.	159	145	3,907	3,818
Utica, N. Y.	32	25	769	717	Oklahoma City, Okla.	98	53	1,444	1,426
Yonkers, N. Y.	51	30	713	735	San Antonio, Tex.	115	81	2,215	2,003
<b>EAST NORTH CENTRAL</b>					<b>MOUNTAIN</b>				
Akron, Ohio	69	41	1,250	1,244	Albuquerque, N. Mex.	32	19	596	529
Canton, Ohio	31	29	732	681	Colorado Springs, Colo.	16	10	321	304
Chicago, Ill.	812	712	17,700	17,496	Denver, Colo.	120	85	2,605	2,571
Cincinnati, Ohio	126	121	3,552	3,636	Ogden, Utah	10	10	277	299
Cleveland, Ohio	238	179	4,906	4,877	Phoenix, Ariz.	34	30	678	623
Columbus, Ohio	136	87	2,646	2,546	Pueblo, Colo.	10	11	291	289
Dayton, Ohio	69	66	1,718	1,555	Salt Lake City, Utah	55	32	1,020	1,085
Detroit, Mich.	356	276	7,568	7,521	Tucson, Ariz.	21	22	482	128
Evansville, Ind.	33	29	741	811	<b>PACIFIC</b>				
Flint, Mich.	32	36	870	891	Berkeley, Calif.	21	28	462	412
Fort Wayne, Ind.	20	37	823	843	Long Beach, Calif.	56	42	1,271	1,236
Gary, Ind.	---	(35)	---	(677)	Los Angeles, Calif.	511	396	11,155	11,200
Grand Rapids, Mich.	40	46	952	1,003	Oakland, Calif.	70	73	2,241	2,196
Indianapolis, Ind.	128	75	2,773	2,762	Pasadena, Calif.	39	29	839	852
Milwaukee, Wis.	158	99	3,052	2,885	Portland, Oreg.	110	85	2,238	2,241
Peoria, Ill.	38	35	697	639	Sacramento, Calif.	49	47	1,205	1,125
South Bend, Ind.	38	22	584	562	San Diego, Calif.	91	61	1,893	1,766
Toledo, Ohio	109	76	2,191	2,223	San Francisco, Calif.	201	201	4,547	4,537
Youngstown, Ohio	---	(53)	---	(1,321)	Seattle, Wash.	129	101	3,079	2,996
<b>WEST NORTH CENTRAL</b>					<b>SOUTH WEST CENTRAL</b>				
Des Moines, Iowa	63	50	1,226	1,179	Spokane, Wash.	68	50	1,114	1,090
Duluth, Minn.	33	22	602	627	Tacoma, Wash.	54	34	932	871
Kansas City, Kans.	---	---	---	(723)	<b>HAWAII</b>				
Kansas City, Mo.	121	145	2,760	2,565	Honolulu, Hawaii	(43)	(35)	(910)	(834)
Minneapolis, Minn.	133	107	2,895	2,814					
Omaha, Nebr.	74	50	1,601	1,510					

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  
Supplement to Public Health Service Publication No. 384

The address of the yellow fever vaccination center at the Knoxville-Knox County Health Department should be corrected to:

City Hall Park  
Knoxville, Tennessee

All other information concerning this center (see this Report for week ended April 27) remains the same.

## Changes Reported

Africa

Angola (p. 2) now requires yellow fever vaccination of arrivals from endemic areas.

Cape Verde Islands (p. 2) now requires yellow fever vaccination of arrivals from endemic and infected areas. No certificate is required at Esparagos Airport, Island of Sal.

Mozambique (p. 4) now requires smallpox vaccination of all arrivals; cholera vaccination of arrivals from infected areas; and yellow fever vaccination of arrivals from endemic areas.

Portuguese Guinea (p. 4) now requires yellow fever vaccination of arrivals from endemic areas.

São Tomé and Príncipe (p. 5) now requires smallpox vaccination of all arrivals; and yellow fever vaccination of arrivals from endemic areas.

Asia

Macao (p. 14) now requires smallpox vaccination of all arrivals.

Portuguese India (p. 15) now requires smallpox vaccination of all arrivals.

Saudi Arabia (p. 16) requires during the pilgrimage season cholera vaccination of all arrivals. Two injections are recommended.

Portuguese Timor (p. 16) now requires smallpox vaccination of all arrivals; cholera vaccination of arrivals from infected areas; and yellow fever vaccination of arrivals from endemic areas.

All other information pertaining to the above areas remains the same.

## 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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