

# 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 December 14, 1957

### EPIDEMIOLOGICAL REPORTS

#### Influenza

Influenza incidence continues to decline in all parts of the United States. Deaths from all causes declined in every geographic division for the week ended December 14 from figures reported for the previous week. The totals for these weeks were 11,825 and 12,611, respectively. The only divisions reporting deaths above the expected values for the week ended December 14 were the Middle Atlantic and Mountain Divisions. The high mortality in these areas was the result of a greater than expected number of deaths in New York City and Tucson. The number of deaths from influenza and pneumonia for the week ended December 14 was 535 as compared with 581 for the previous week. The numbers were higher than expected

in 5 divisions: East North Central, West North Central, South Atlantic, West South Central, and Mountain.

The California State Department of Public Health reports that each of several indexes used for surveillance of influenza incidence indicated that the peak was reached about the middle of October in California. One of the indexes, the California Health Survey, indicated that a total of 1,812,000 new cases of upper respiratory disease occurred during the week ended October 27, which is a fourfold increase over the same period in 1954-55. About two-thirds of these cases were reported as Asian influenza. Additional information has been obtained on the second wave of cases in an institution. The first began in late July and extended through September. In October essentially no cases were seen. In November,

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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	50th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Dec. 14, 1957	Ended Dec. 15, 1956	Median 1952-56	First 50 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	1 <sup>2</sup>	-	-	21	36	30	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Botulism-----049.1	-	-	-	11	12	12	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Brucellosis (undulant fever)-----044	12	21	31	887	1,065	1,652	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Diphtheria-----055	36	62	62	1,118	1,524	1,993	654	698	1,205	July 1
Encephalitis, infectious-----082	22	26	17	1,807	2,157	1,881	1,247	1,528	1,288	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	233	332	485	14,379	18,539	30,521	3,369	4,460	6,684	Sept. 1
Malaria-----110-117	1	4	8	145	231	690	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Measles-----085	3,746	3,875	3,875	474,184	605,108	605,108	24,530	28,406	26,631	Sept. 1
Meningococcal infections-----057	67	49	74	2,531	2,607	4,020	846	642	911	Sept. 1
Meningitis, other-----340	40	50	---	2,272	1,572	---	---	---	---	---
Poliomyelitis-----080	44	100	272	5,833	15,226	35,350	5,307	14,174	33,458	Apr. 1
Paralytic-----080.0,080.1	27	53	---	2,125	6,616	---	1,851	6,033	---	Apr. 1
Nonparalytic-----080.2	15	26	---	2,786	5,832	---	2,623	5,562	---	Apr. 1
Unspecified-----080.3	2	21	---	922	2,778	---	833	2,579	---	Apr. 1
Psittacosis-----096.2	6	8	3	241	489	266	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Rabies in man-----094	-	-	-	5	8	10	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Typhoid fever-----040	6	23	30	1,259	1,731	2,210	1,002	1,419	1,808	Apr. 1
Typhus fever, endemic-----101	2	2	2	113	103	176	88	84	143	Apr. 1
Rabies in animals-----	68	78	117	4,083	4,549	6,584	680	797	1,167	Oct. 1

<sup>1</sup>Pennsylvania and Wyoming each reported 1 case.

<sup>2</sup>Data show no pronounced seasonal change in incidence.

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

## EPIDEMIOLOGICAL REPORTS—Continued

there was a second wave, but fewer cases were seen. However, it is a clinical impression that these were more severe; this is supported by the fact that the death rate rose in the second but not in the first wave. Two-thirds of the 1,500 occurred in the first wave. The apparent second wave in a high school is reported to be primarily a respiratory illness other than influenza. In another area, there has been an outbreak of streptococcal sore throat involving about one-half of the enrollment of a school.

The Oregon State Board of Health states that a total of 13 cases with encephalitis-like symptoms followed presumed attacks of influenza. So far, only 1 of the 13 has been confirmed by laboratory tests as Asian type of influenza. Other tests are pending.

The Minnesota State Department of Health has reported a death occurring shortly after administration of a second dose of monovalent influenza vaccine. The first dose was given on October 25 and the second on December 2. The patient, a 54-year-old woman with hypertension of 13 years' standing, developed severe headache, soreness of the back, and upset stomach 1 hour after the second injection. She became comatose and died 1 hour later. No reactions were noted in other persons receiving vaccine from the same vial.

Dr. H. M. Janney, Medical Director, Federal Bureau of Prisons, reports that in an outbreak of influenza in a penal institution, 3 inmates developed pneumonia, 2 of whom died. Staphylococci were recovered at autopsy from both fatal cases. In another penal institution, there was 1 case of pneumococcal pneumonia that occurred 2 weeks after hospitalization of the patient for influenza. Influenza in the institution was confirmed by significant rises in antibody titer in 5 paired sera. Data from this institution and also a third suggest that the outbreak in each ran its course in about 10 days. No sequelae were noted in the third institution where about 300 of the 525 inmates were affected.

Cat scratch disease

Information has been received from Dr. Mason Romaine, Virginia Department of Health, concerning a suspect case of cat scratch disease in an 8-year-old boy. A large nodule was removed from the chest wall, which revealed a nonspecific granuloma with abscess formation. The boy slept with two cats and had been scratched on several occasions. He had picked up a dead rabbit in the woods near his home, and several other dead rabbits had been found in the area. Tularemia was ruled out by serologic test. Due to unavailability of the antigen, serologic tests for cat scratch disease could not be performed.

Mushroom poisoning

Dr James G. Roney, Jr., San Mateo County (California) Health Department, has reported 5 cases of poisoning caused

by the consumption of wild mushrooms, Amanita phalloides. The individuals became ill 12 hours after eating a meal of fish, broccoli, stewed mushrooms, and coffee in a restaurant. The symptoms, which lasted about a week, were abdominal cramps, severe diarrhea, and prostration. One person had 2 plus proteinuria; and 4 of the 5 were hospitalized. Bacteriologic studies of the fish, broccoli, and mushrooms were negative. A stool specimen submitted by a food handler was negative.

Salmonellosis

The Los Angeles City (California) Health Department has reported an outbreak of Salmonella give and S. san diego associated with food prepared in a restaurant and served at a party in a private residence. Onset of symptoms in 32 of 69 persons began 10 to 48 hours after ingestion of the suspect food. The average onset time was 28 hours. Among those ill 14 complained of diarrhea, 11 of muscular aches, 9 of cramps, 8 of fever, 7 of chills, 3 of nausea, and 1 of vomiting. The foods having the highest attack rates were chopped liver, "kishka," and meat balls. Food specimens collected from the restaurant 10 days after the outbreak were negative for pathogenic bacteria or toxin. Of the 14 food handlers involved in preparing the meal, 1 had had previous episodes of diarrhea. Of the 67 food handlers submitting specimens, 18 were positive for Salmonella. Among the 32 guests who became ill 15 had positive stool specimens.

Gastro-enteritis

Information has also been received from the Los Angeles County (California) Health Department of an outbreak of gastro-enteritis in 5 persons following the ingestion of barbecued ham in a restaurant. Symptoms consisting of nausea, vomiting, abdominal cramps, and diarrhea began 5½ hours after consumption of the suspected vehicle and persisted for 8 to 10 hours. The ham had been barbecued at a very low temperature for 12 hours, permitted to stand at room temperature for 1 to 4 hours, and then placed on a low-temperature steamtable. It was the opinion of the health department that there had been ample opportunity for incubation of organisms. Many golden-pigmented, gram-positive, gelatin-liquefying, coagulase-positive, nonhemolytic cocci were isolated from a specimen of ham. Four of 12 nose and throat cultures obtained from food handlers were positive for staphylococci. Cultures of urine and feces from the 5 sick persons were negative.

## QUARANTINE MEASURES

Immunitization Information for International Travel

No changes reported.

# 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 DECEMBER 15, 1956 AND DECEMBER 14, 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		50th week		Cumulative first 50 weeks		082		50th week		Cumulative first 50 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	12	21	36	62	1,118	1,524	22	26	233	332	14,379	18,539
NEW ENGLAND-----	1	-	-	1	27	16	-	2	3	8	756	1,162
Maine-----	-	-	-	-	3	-	-	-	1	4	237	294
New Hampshire-----	-	-	-	-	-	1	-	-	-	-	8	33
Vermont-----	-	-	-	-	-	-	-	-	-	-	88	160
Massachusetts-----	1	-	1	-	24	15	-	2	2	1	224	297
Rhode Island-----	-	-	-	-	-	-	-	-	-	1	75	136
Connecticut-----	-	-	-	-	-	-	-	-	-	2	124	242
MIDDLE ATLANTIC-----	-	-	1	1	90	65	5	5	40	61	2,336	3,932
New York-----	-	-	-	-	40	20	4	4	26	41	1,464	2,121
New Jersey-----	-	-	-	-	10	24	-	1	2	2	284	367
Pennsylvania-----	-	-	1	1	40	21	1	-	12	18	588	1,444
EAST NORTH CENTRAL-----	3	6	23	19	75	328	4	2	46	74	2,511	2,846
Ohio-----	-	-	-	-	14	18	3	-	10	7	613	695
Indiana-----	-	-	1	-	18	92	-	-	3	10	326	378
Illinois-----	3	6	-	-	3	8	-	1	10	17	691	675
Michigan-----	-	-	22	19	38	208	1	1	23	27	646	778
Wisconsin-----	-	-	-	-	2	2	-	-	-	13	235	320
WEST NORTH CENTRAL-----	6	9	-	2	89	131	3	1	16	29	787	1,463
Minnesota-----	-	-	-	-	35	26	1	-	5	11	291	480
Iowa-----	4	-	-	-	12	18	-	-	1	8	176	368
Missouri-----	-	1	-	-	1	14	-	-	1	1	128	95
North Dakota-----	-	-	-	-	3	10	-	-	3	5	100	136
South Dakota-----	-	1	-	1	10	11	1	-	-	2	36	177
Nebraska-----	1	4	-	-	21	34	-	-	-	2	24	97
Kansas-----	1	3	-	1	7	18	1	1	6	-	32	110
SOUTH ATLANTIC-----	1	1	9	14	383	375	2	1	18	15	1,101	1,181
Delaware-----	-	-	-	-	-	-	-	-	1	-	12	31
Maryland-----	-	-	-	-	3	2	-	-	1	1	95	90
District of Columbia-----	-	-	-	-	-	1	-	-	1	-	13	21
Virginia-----	-	-	-	1	18	31	-	-	2	3	416	472
West Virginia-----	-	-	-	-	9	8	-	-	4	3	96	67
North Carolina-----	1	-	2	2	50	68	1	-	4	4	109	123
South Carolina-----	-	-	2	-	104	85	1	-	-	2	34	65
Georgia-----	-	1	5	5	112	82	-	-	5	1	129	160
Florida-----	-	-	-	6	87	98	-	1	-	1	197	152
EAST SOUTH CENTRAL-----	-	1	-	14	160	208	4	5	31	25	1,797	1,632
Kentucky-----	-	-	-	3	18	17	-	2	12	17	765	517
Tennessee-----	-	1	-	-	12	23	-	1	5	6	638	689
Alabama-----	-	-	-	10	70	111	-	-	10	1	262	204
Mississippi-----	-	-	-	1	60	57	4	2	4	1	132	222
WEST SOUTH CENTRAL-----	-	2	3	4	212	291	-	2	17	16	1,111	1,323
Arkansas-----	-	1	-	-	46	22	-	-	-	3	79	145
Louisiana-----	-	1	-	1	25	37	-	-	1	3	52	138
Oklahoma-----	-	-	-	-	23	59	-	1	-	4	131	107
Texas-----	-	-	3	3	118	173	-	1	16	6	849	933
MOUNTAIN-----	-	-	-	7	47	56	1	1	23	55	1,274	1,614
Montana-----	-	-	-	-	14	4	-	-	7	14	180	381
Idaho-----	-	-	-	-	1	1	-	-	1	3	101	198
Wyoming-----	-	-	-	-	11	7	-	-	-	9	55	115
Colorado-----	-	-	-	-	2	3	-	-	4	5	192	356
New Mexico-----	-	-	-	7	13	32	1	1	6	16	401	163
Arizona-----	-	-	-	-	4	6	-	-	1	7	249	316
Utah-----	-	-	-	-	2	3	-	-	4	1	66	76
Nevada-----	-	-	-	-	-	-	-	-	-	-	30	9
PACIFIC-----	1	2	-	-	35	54	3	7	39	49	2,706	3,386
Washington-----	-	-	-	-	23	12	-	-	9	7	373	611
Oregon-----	-	-	-	-	3	11	-	-	1	11	492	674
California-----	1	2	-	-	9	31	3	7	29	31	1,841	2,102
Alaska-----	-	-	-	-	-	36	-	-	5	4	112	188
Hawaii-----	-	-	-	-	1	-	-	-	1	-	68	55
Puerto Rico-----	-	-	-	3	60	81	-	-	-	3	159	229

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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 DECEMBER 15, 1956 AND DECEMBER 14, 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	
	50th week		Cumulative first 50 weeks		080.0,080.1		080.2					
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	44	100	5,833	15,226	27	53	15	26	1	4	3,746	3,875
NEW ENGLAND-----	-	2	81	251	-	1	-	1	-	-	394	154
Maine-----	-	-	9	22	-	-	-	-	-	-	73	11
New Hampshire-----	-	-	4	3	-	-	-	-	-	-	6	-
Vermont-----	-	-	5	21	-	-	-	-	-	-	-	15
Massachusetts-----	-	-	24	110	-	-	-	-	-	-	222	48
Rhode Island-----	-	-	-	9	-	-	-	-	-	-	-	-
Connecticut-----	-	2	39	86	-	1	-	1	-	-	93	80
MIDDLE ATLANTIC-----	1	7	338	1,205	1	3	-	-	-	-	574	675
New York-----	1	5	216	789	1	3	-	-	-	-	426	381
New Jersey-----	-	-	79	210	-	-	-	-	-	-	43	83
Pennsylvania-----	-	2	43	206	-	-	-	-	-	-	105	211
EAST NORTH CENTRAL-----	3	18	1,538	4,103	1	8	1	5	1	-	945	553
Ohio-----	-	4	270	622	-	2	-	-	-	-	79	84
Indiana-----	-	4	199	422	-	2	-	2	-	-	43	78
Illinois-----	1	3	347	1,833	-	2	-	-	1	-	64	102
Michigan-----	2	3	508	674	1	1	1	2	-	-	121	184
Wisconsin-----	-	4	214	552	-	1	-	1	-	-	638	105
WEST NORTH CENTRAL-----	4	9	460	1,703	3	4	1	3	-	-	60	170
Minnesota-----	2	-	55	204	2	-	-	-	-	-	1	65
Iowa-----	1	-	85	628	-	-	1	-	-	-	5	45
Missouri-----	1	2	125	421	1	-	-	1	-	-	5	16
North Dakota-----	-	1	11	38	-	-	-	1	-	-	46	36
South Dakota-----	-	-	41	38	-	-	-	-	-	-	1	4
Nebraska-----	-	6	77	187	-	4	-	1	-	-	2	4
Kansas-----	-	-	66	187	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	13	12	842	1,492	11	6	1	3	-	2	489	299
Delaware-----	-	-	5	27	-	-	-	-	-	-	6	5
Maryland-----	6	1	41	108	5	1	1	-	-	-	243	7
District of Columbia-----	2	-	69	11	2	-	-	-	-	-	24	1
Virginia-----	2	-	112	230	2	-	-	-	-	1	30	38
West Virginia-----	1	-	51	111	1	-	-	-	-	-	84	78
North Carolina-----	-	4	219	333	-	2	-	2	-	-	26	23
South Carolina-----	1	3	129	111	-	2	-	-	-	-	16	42
Georgia-----	1	1	83	197	1	1	-	-	-	1	49	44
Florida-----	-	3	133	364	-	-	-	1	-	-	11	61
EAST SOUTH CENTRAL-----	3	4	417	736	1	2	2	-	-	-	353	666
Kentucky-----	-	1	109	196	-	1	-	-	-	-	69	243
Tennessee-----	2	1	150	151	1	1	1	-	-	-	258	316
Alabama-----	-	2	53	96	-	-	-	-	-	-	24	94
Mississippi-----	1	-	105	293	-	-	1	-	-	-	2	13
WEST SOUTH CENTRAL-----	8	20	1,093	2,392	2	18	6	2	-	-	221	425
Arkansas-----	-	2	55	216	-	1	-	1	-	-	2	42
Louisiana-----	1	3	181	615	-	3	1	-	-	-	6	9
Oklahoma-----	-	2	123	223	-	2	-	-	-	-	2	7
Texas-----	7	13	734	1,338	2	12	5	1	-	-	211	367
MOUNTAIN-----	1	9	242	828	-	4	1	1	-	-	328	367
Montana-----	-	2	12	54	-	2	-	-	-	-	155	73
Idaho-----	-	1	25	110	-	-	-	-	-	-	77	6
Wyoming-----	-	1	13	37	-	1	-	-	-	-	-	8
Colorado-----	1	2	50	160	-	1	1	1	-	-	12	30
New Mexico-----	-	2	49	82	-	-	-	-	-	-	37	76
Arizona-----	-	-	56	129	-	-	-	-	-	-	37	28
Utah-----	-	1	33	222	-	-	-	-	-	-	5	133
Nevada-----	-	-	4	34	-	-	-	-	-	-	5	13
PACIFIC-----	11	19	822	2,516	8	7	3	11	-	2	382	566
Washington-----	-	1	21	186	-	-	-	-	-	-	137	193
Oregon-----	2	3	48	171	2	-	-	3	-	1	119	54
California-----	9	15	753	2,159	6	7	3	8	-	1	126	319
Alaska-----	-	-	3	12	-	-	-	-	-	-	42	10
Hawaii-----	-	1	10	68	-	1	-	-	-	-	4	406
Puerto Rico-----	-	-	33	51	-	-	-	-	-	-	28	48

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

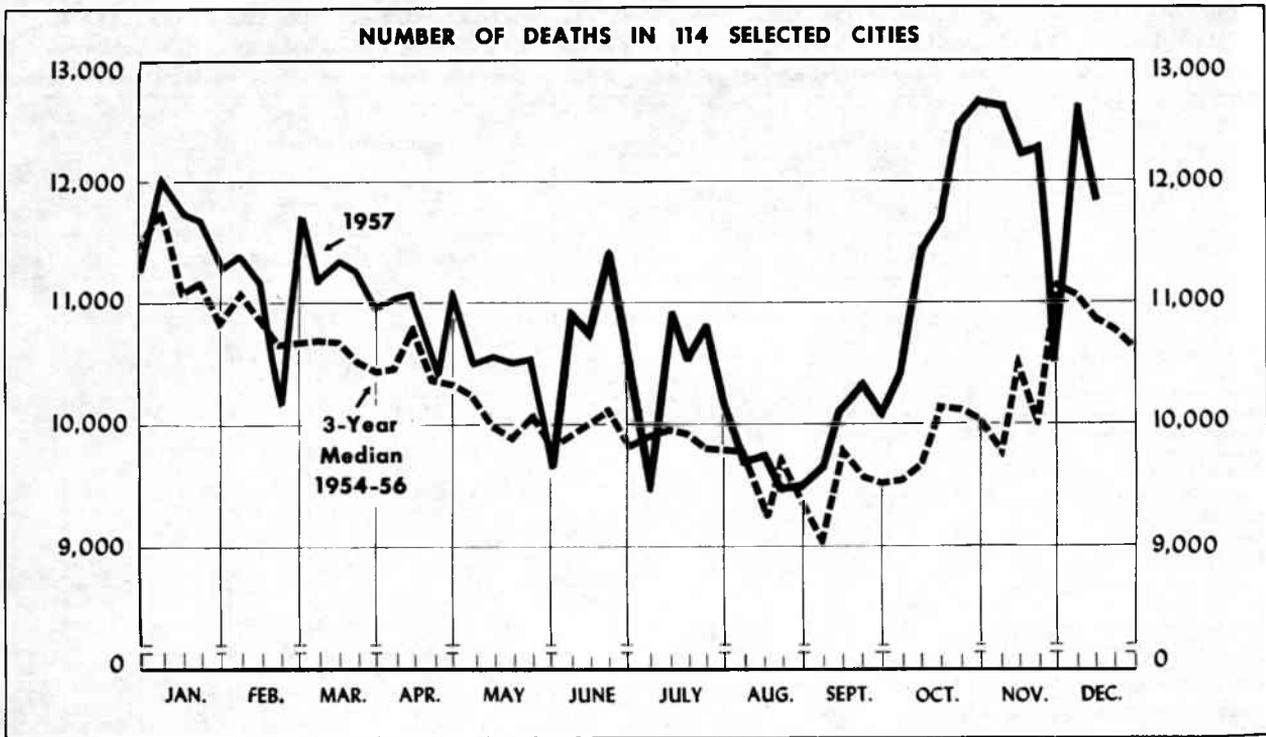
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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 15, 1956 AND DECEMBER 14, 1957—Continued**  
(By place of occurrence. Numbers under diseases are category 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	
						50th week		Cumulative first 50 weeks				
	057	1956	340	096.2	1956	1957	1956	1957	1956	101	1957	1956
CONT. UNITED STATES-----	67	49	40	6	8	6	23	1,259	1,731	2	68	78
NEW ENGLAND-----	4	6	2	-	2	-	1	25	56	-	-	-
Maine-----	-	-	-	-	-	-	-	2	17	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	2	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	3	-	-	-
Massachusetts-----	4	2	2	-	-	-	-	13	17	-	-	-
Rhode Island-----	-	1	-	-	1	-	-	5	6	-	-	-
Connecticut-----	-	3	-	-	1	-	1	3	13	-	-	-
MIDDLE ATLANTIC-----	7	3	-	1	-	-	-	152	205	-	4	4
New York-----	3	2	-	-	-	-	-	58	58	-	4	4
New Jersey-----	-	-	-	-	-	-	-	20	32	-	-	-
Pennsylvania-----	4	1	-	1	-	-	-	74	115	-	-	-
EAST NORTH CENTRAL-----	11	10	7	1	2	1	4	178	227	-	8	14
Ohio-----	5	1	-	-	1	-	1	65	60	-	5	7
Indiana-----	1	1	-	-	-	1	-	63	30	-	-	4
Illinois-----	2	2	3	1	-	-	1	21	37	-	-	-
Michigan-----	3	4	4	-	-	-	2	15	55	-	-	2
Wisconsin-----	-	2	-	-	1	-	-	14	45	-	3	1
WEST NORTH CENTRAL-----	6	5	-	1	-	1	1	89	203	-	18	12
Minnesota-----	-	-	-	1	-	1	-	6	37	-	8	9
Iowa-----	2	1	-	-	-	-	-	22	61	-	1	-
Missouri-----	3	1	-	-	-	-	1	44	70	-	5	3
North Dakota-----	-	3	-	-	-	-	-	2	6	-	4	-
South Dakota-----	-	-	-	-	-	-	-	8	3	-	-	-
Nebraska-----	-	-	-	-	-	-	-	1	13	-	-	-
Kansas-----	1	-	-	-	-	-	-	6	13	-	-	-
SOUTH ATLANTIC-----	13	7	9	-	1	2	5	235	282	2	11	18
Delaware-----	-	2	-	-	-	-	-	1	4	-	-	-
Maryland-----	1	-	1	-	-	-	1	10	19	-	-	-
District of Columbia-----	-	-	-	-	-	1	-	10	12	-	-	-
Virginia-----	4	1	7	-	-	-	-	41	56	-	-	3
West Virginia-----	-	-	1	-	-	-	-	50	24	-	2	-
North Carolina-----	4	2	-	-	1	-	1	14	29	-	-	-
South Carolina-----	-	1	-	-	-	-	1	22	31	-	5	5
Georgia-----	4	-	-	-	-	1	-	33	53	2	4	10
Florida-----	-	1	-	-	-	-	2	54	54	-	-	-
EAST SOUTH CENTRAL-----	4	7	9	-	-	-	2	173	236	-	13	8
Kentucky-----	-	1	-	-	-	-	-	54	57	-	9	5
Tennessee-----	-	1	-	-	-	-	1	67	82	-	1	-
Alabama-----	3	4	-	-	-	-	-	12	30	-	2	3
Mississippi-----	1	1	9	-	-	-	1	40	67	-	1	-
WEST SOUTH CENTRAL-----	8	3	9	-	-	1	7	250	328	-	13	14
Arkansas-----	-	1	-	-	-	-	2	43	70	-	1	2
Louisiana-----	1	-	-	-	-	-	2	59	51	-	1	10
Oklahoma-----	1	2	-	-	-	-	1	26	51	-	1	2
Texas-----	6	-	9	-	-	1	2	122	156	-	10	-
MOUNTAIN-----	6	2	-	-	-	1	2	55	76	-	1	2
Montana-----	3	-	-	-	-	-	-	3	3	-	-	-
Idaho-----	1	-	-	-	-	-	-	4	4	-	-	-
Wyoming-----	-	1	-	-	-	-	1	2	3	-	-	-
Colorado-----	-	-	-	-	-	-	-	12	21	-	-	1
New Mexico-----	-	-	2	-	-	1	-	21	17	-	-	-
Arizona-----	2	1	-	-	-	-	-	10	24	-	1	1
Utah-----	-	-	-	-	-	-	1	3	2	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	2	-	-	-
PACIFIC-----	8	6	2	3	3	-	1	102	118	-	-	6
Washington-----	3	2	-	3	2	-	-	7	3	-	-	-
Oregon-----	-	1	2	-	-	-	-	6	14	-	-	-
California-----	5	3	-	-	1	-	1	89	101	-	-	6
Alaska-----	-	-	-	-	-	-	-	2	1	-	-	-
Hawaii-----	1	-	-	-	-	-	-	4	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	3	17	85	-	-	-

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

## Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) If a report is not received from a city in time to be included in the total for the current week, an estimate is made to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated for deaths occurring in that city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the

interval between death and receipt of the certificate.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city with a weekly average of 50 deaths, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ( $d \pm 2\sqrt{d}$ , where  $d$  represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

**Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS**

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

AREA	50th week ended Dec. 14, 1957	49th week ended Dec. 7, 1957	50th week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 50 WEEKS		
					1957	1956	Percent change
TOTAL: 112 REPORTING CITIES-----	11,736	12,586	10,774	+8.9	544,488	519,533	+4.8
New England----- (14 cities)	753	769	737	+2.2	35,112	33,621	+4.4
Middle Atlantic----- (18 cities)	3,345	3,374	3,162	+5.8	155,213	149,671	+3.7
East North Central----- (19 cities)	2,517	2,686	2,342	+7.5	118,550	113,592	+4.4
West North Central----- (9 cities)	816	941	773	+5.6	39,194	36,933	+6.1
South Atlantic----- (11 cities)	1,023	1,052	870	+17.6	46,261	43,710	+5.8
East South Central----- (8 cities)	524	605	514	+1.9	24,577	23,564	+4.3
West South Central----- (13 cities)	989	1,096	817	+21.1	45,662	42,088	+8.5
Mountain----- (8 cities)	330	415	245	+34.7	13,821	12,307	+12.3
Pacific----- (12 cities)	1,439	1,648	1,299	+10.8	66,098	64,047	+3.2

# Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

AREA	50th week ended Dec. 14, 1957	49th week ended Dec. 7, 1957	CUMULATIVE NUMBER FIRST 50 WEEKS		AREA	50th week ended Dec. 14, 1957	49th week ended Dec. 7, 1957	CUMULATIVE NUMBER FIRST 50 WEEKS	
			1957	1956				1957	1956
<b>NEW ENGLAND</b>					<b>WEST NORTH CENTRAL—Con.</b>				
Boston, Mass.-----	257	256	11,882	11,369	St. Louis, Mo.-----	246	294	12,142	11,638
Bridgeport, Conn.-----	43	37	1,932	1,831	St. Paul, Minn.-----	74	84	3,331	3,257
Cambridge, Mass.-----	33	34	1,468	1,468	Wichita, Kans.-----	48	100	2,256	2,102
Fall River, Mass.-----	36	34	1,379	1,377	<b>SOUTH ATLANTIC</b>				
Hartford, Conn.-----	57	68	2,526	2,341	Atlanta, Ga.-----	132	129	5,572	5,389
Lowell, Mass.-----	25	29	1,389	1,161	Baltimore, Md.-----	257	230	12,078	11,501
Lynn, Mass.-----	23	29	1,079	1,047	Charlotte, N. C.-----	25	54	1,720	1,489
New Bedford, Mass.-----	28	22	1,214	1,128	Jacksonville, Fla.-----	65	98	2,758	2,557
New Haven, Conn.-----	39	38	2,323	2,271	Miami, Fla.-----	60	60	2,549	2,566
Providence, R. I.-----	62	63	3,114	3,064	Norfolk, Va.-----	45	62	1,874	1,629
Somerville, Mass.-----	18	11	661	745	Richmond, Va.-----	65	67	3,748	3,467
Springfield, Mass.-----	58	54	2,140	2,057	Savannah, Ga.-----	35	37	1,515	1,430
Waterbury, Conn.-----	22	34	1,258	1,260	Tampa, Fla.-----	83	81	3,154	2,878
Worcester, Mass.-----	52	60	2,727	2,502	Washington, D. C.-----	209	204	9,490	9,065
					Wilmingon, Del.-----	47	30	1,803	1,739
<b>MIDDLE ATLANTIC</b>					<b>EAST SOUTH CENTRAL</b>				
Albany, N. Y.-----	53	45	2,490	2,422	Birmingham, Ala.-----	102	95	4,052	3,827
Allentown, Pa.-----	29	35	1,900	1,848	Chattanooga, Tenn.-----	48	87	2,333	2,086
Buffalo, N. Y.-----	158	179	7,249	7,102	Knoxville, Tenn.-----	26	34	1,360	1,617
Camden, N. J.-----	37	44	2,022	1,944	Louisville, Ky.-----	109	140	5,376	5,248
Elizabeth, N. J.-----	33	24	1,420	1,366	Memphis, Tenn.-----	113	94	5,317	4,939
Erle, Pa.-----	39	45	1,815	1,628	Mobile, Ala.-----	38	46	1,835	1,726
Jersey City, N. J.-----	70	81	3,475	3,456	Montgomery, Ala.-----	29	53	1,355	1,428
Newark, N. J.-----	112	104	5,140	4,810	Nashville, Tenn.-----	59	56	2,949	2,693
New York City, N. Y.-----	1,785	1,711	80,450	77,420	<b>WEST SOUTH CENTRAL</b>				
Paterson, N. J.-----	---	---	---	(1,885)	Austin, Tex.-----	39	34	1,505	1,355
Philadelphia, Pa.-----	545	537	24,426	23,572	Baton Rouge, La.-----	42	33	1,263	1,103
Pittsburgh, Pa.-----	150	230	9,275	9,071	Corpus Christi, Tex.-----	14	21	1,053	991
Reading, Pa.-----	27	19	1,167	1,073	Dallas, Tex.-----	105	132	5,527	5,392
Rochester, N. Y.-----	113	104	4,951	4,727	El Paso, Tex.-----	37	38	1,607	1,349
Schenectady, N. Y.-----	21	31	1,176	1,111	Fort Worth, Tex.-----	90	70	3,190	2,915
Scranton, Pa.-----	---	(57)	---	(1,695)	Houston, Tex.-----	155	175	7,516	6,768
Syracuse, N. Y.-----	58	60	2,966	2,938	Little Rock, Ark.-----	49	59	2,647	2,306
Trenton, N. J.-----	51	55	2,251	2,175	New Orleans, La.-----	234	192	8,706	7,883
Utica, N. Y.-----	31	34	1,558	1,534	Oklahoma City, Okla.-----	76	93	3,129	3,133
Yonkers, N. Y.-----	35	36	1,482	1,474	San Antonio, Tex.-----	73	120	4,815	4,396
					Shreveport, La.-----	48	38	2,343	2,234
					Tulsa, Okla.-----	27	91	2,361	2,263
<b>EAST NORTH CENTRAL</b>					<b>MOUNTAIN</b>				
Akron, Ohio-----	81	73	2,773	2,640	Albuquerque, N. Mex.-----	16	37	1,297	1,145
Canton, Ohio-----	39	37	1,591	1,429	Colorado Springs, Colo.-----	15	15	679	648
Chicago, Ill.-----	808	800	38,275	36,461	Denver, Colo.-----	140	185	5,654	5,360
Cincinnati, Ohio-----	158	182	7,697	7,522	Ogden, Utah-----	16	15	636	632
Cleveland, Ohio-----	226	241	10,492	10,226	Phoenix, Ariz.-----	45	67	1,641	1,296
Columbus, Ohio-----	118	127	5,677	5,386	Pueblo, Colo.-----	12	14	626	626
Dayton, Ohio-----	73	75	3,615	3,309	Salt Lake City, Utah-----	55	68	2,286	2,232
Detroit, Mich.-----	339	351	16,345	15,739	Tucson, Ariz.-----	31	14	1,002	368
Evansville, Ind.-----	31	49	1,647	1,662	<b>PACIFIC</b>				
Flint, Mich.-----	37	43	1,891	1,906	Berkeley, Calif.-----	17	22	982	837
Fort Wayne, Ind.-----	37	59	1,845	1,776	Long Beach, Calif.-----	63	71	2,728	2,666
Gary, Ind.-----	23	26	1,453	1,427	Los Angeles, Calif.-----	558	644	23,935	23,421
Grand Rapids, Mich.-----	50	36	2,042	2,026	Oakland, Calif.-----	95	103	4,738	4,525
Indianapolis, Ind.-----	125	176	6,105	5,819	Pasadena, Calif.-----	39	34	1,771	1,745
Milwaukee, Wis.-----	140	174	6,622	6,197	Portland, Oreg.-----	103	120	4,911	4,712
Peoria, Ill.-----	26	28	1,513	1,450	Sacramento, Calif.-----	53	70	2,587	2,434
South Bend, Ind.-----	34	24	1,316	1,227	San Diego, Calif.-----	94	95	4,001	3,754
Toledo, Ohio-----	118	124	4,832	4,705	San Francisco, Calif.-----	199	224	9,534	9,492
Youngstown, Ohio-----	54	61	2,819	2,685	Seattle, Wash.-----	133	160	6,587	6,280
					Spokane, Wash.-----	40	59	2,346	2,288
					Tacoma, Wash.-----	45	46	1,978	1,893
					Honolulu, Hawaii-----	(33)	(41)	(1,892)	(1,737)
<b>WEST NORTH CENTRAL</b>									
Des Moines, Iowa-----	44	76	2,800	2,507					
Duluth, Minn.-----	32	39	1,362	1,291					
Kansas City, Kans.-----	34	19	1,429	1,528					
Kansas City, Mo.-----	121	116	5,986	5,401					
Minneapolis, Minn.-----	135	133	6,400	5,956					
Omaha, Nebr.-----	82	80	3,488	3,253					

Symbols.—parentheses ( ) : data not included in table 3; 5 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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