

# Morbidity and Mortality

Weekly  
Report



U. S. Department of  
HEALTH, EDUCATION, AND WELFARE

Public Health Service

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended December 1, 1956

The numbers of reported cases of poliomyelitis by type for the United States for the current week, disease year, and calendar year are:

TYPE	CURRENT WEEK		DISEASE YEAR		CALENDAR YEAR	
	1956	1955	1956	1955	1956	1955
TOTAL-----	169	283	13,913	27,524	14,980	28,587
Paralytic-----	90	135	5,901	9,822	6,484	10,286
Nonparalytic-----	48	76	5,481	10,631	5,766	10,921
Unspecified-----	31	72	2,531	7,071	2,730	7,380

A number of outbreaks of diphtheria have been reported this year but the incidence has decreased about 20 percent from that of last year. Also, in 1955 there were outbreaks of the disease reported in various sections of the country. To date, 1,406 cases have been reported compared with the 1,760 cases for the corresponding period of 1955. Although a number of recent outbreaks have occurred, there is a more favorable reduction in the incidence for the disease year which began about July 1. Since that time 580 cases have been reported as compared with 1,051 for the corresponding period of 1955, a 45 percent decrease. This is partly because of several outbreaks in the latter part of 1955 which boosted the total number of cases for that period to more than the number reported for the last 6 months of 1954.

Large decreases for the disease year have been reported in 6 States where large numbers of cases were reported for the similar period of 1955. With last year's figures shown in parentheses, these are: Minnesota, 1 (27); Nebraska, 9 (51); South Carolina, 47 (155); Georgia, 47 (165); Alabama, 48 (201); and Texas, 57 (110). Smaller decreases were reported in 9 scattered States. However, these were offset by relatively large increases reported in 6 States. In 5 of these, New Jersey, Indiana, North Dakota, Kansas, and New Mexico, the magnitude was small; but in Michigan, the recent outbreak in Detroit has resulted in a large increase over that of last year. Since the first of July this State has reported 93 cases compared with 20 for the same period in 1955.

### EPIDEMIOLOGICAL REPORTS

#### Diphtheria

Dr. F. S. Leeder, Michigan Department of Health, has supplied information about an outbreak of diphtheria in Detroit. To date, 129 cases have been reported, many of them during the past 2 weeks. They were principally in one part of the city where the population is made up of large numbers of persons, with low incomes, from the South. The immunization status of the cases is poor, only 1 of the 129 cases having had primary immunization with a booster dose. Twenty percent of the cases are in children of preschool age. Of the 5 deaths resulting from the diagnosed diphtheria, 4 have been bacteriologically confirmed.

One case was reported from Port Huron which was not related to the Detroit cases. So far this year, there have been 18 cases in St. Clair County in which Port Huron is located.

The New Mexico Department of Public Health has given preliminary information on an outbreak of diphtheria in Albuquerque. Eleven cases have been confirmed and 15 suspect cases are under investigation. Eight other suspect cases are being investigated—6 in Roswell and 2 in Farmington.

#### Suspect smallpox

Dr. C. G. Salsbury, Arizona State Department of Health, has reported a suspect case of smallpox in a female agricultural worker in Maricopa County. The results of laboratory findings are not yet available. The household has been quarantined and her brother-in-law is under observation in a hospital. As a precautionary measure, 486 persons in the same housing area have been vaccinated.

#### Psittacosis

Dr. Stanley H. Osborn, Connecticut State Department of Health, has reported a case of psittacosis in a 52-year-old man. This man became ill with an upper respiratory infection and was hospitalized about 20 days later. A chest X-ray showed right basal pleuritis and pneumonitis. The complement fixation test on a blood specimen was positive for psittacosis in a dilution of 1:64. The patient had contact earlier with a parakeet, but the bird was destroyed and was not available for laboratory tests.

The California State Department of Public Health, in addition to the 6 cases of psittacosis reported last week, has supplied information on 7 other cases which have occurred since the first of the year. Of the 7, 2 were confirmed by fourfold rises in complement fixation titers, 4 by titers of 1:256 or greater, and 1 from a negative to positive reaction. Most of the patients had been in contact with psittacine birds which were not tested for psittacosis. One patient had been working in a laboratory inoculating birds for a psittacosis study program. He became infected.

#### Typhoid fever

Dr. M. H. Mires, Vermont Department of Health, has reported 2 cases of typhoid fever in persons who traveled about the State. The patients had eaten in a number of restaurants and private homes. While all of these sources have not been definitely ruled out, it now appears that the source of infection was a carrier who lived with the victims. Salmonella typhi found in specimens from the carrier is of the same phage type as was found in specimens from the patients.

#### Chemical poisoning

Dr. S. B. Osgood, Oregon State Board of Health, has furnished more information about the outbreak of metallic poisoning reported for the week ended November 17. This outbreak occurred among eighth grade pupils in an elementary school. An investigation revealed that no other children were affected and that those of the eighth grade had eaten at home. However, this group was served a drink containing citric and tartaric acids which had been stored in a large, gray "granite" coffee

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pot for about 7½ days. All of the 20 eighth grade pupils and 1 teacher became ill with headache, nausea, vomiting, diarrhea, and severe cramps from 20 to 60 minutes after partaking of the drink. Bacteriologic examination of a specimen of the drink was essentially negative but antimony in the amount of 18 p.p.m. were found. This according to pharmacological references was enough to cause illness.

Gastro-enteritis

Dr. Dean Fisher, Maine Department of Health and Welfare, has reported 3 cases of gastro-enteritis following the ingestion of kippered herring. The fish was of the canned variety, and no defects were noted in the can. The fish was black and smelled queer but was eaten anyway. The 3 persons who ate the food became ill from 20 to 30 minutes later. The opened can was available but evidently was not satisfactory for laboratory examination. Cans with the same lot number were obtained, but an examination gave negative results.

Dr. D. S. Fleming, Minnesota Department of Health, has reported an outbreak of gastro-enteritis among 115 persons in an institution. Of these, 36 became ill with nausea, vomiting, diarrhea, abdominal cramps, chills, cold sweats, and prostration from 3 to 6 hours after eating a turkey dinner. The turkeys

were roasted and deboned the previous day. The dressing was made in the morning of the day of service and baked for 2 hours. This was followed by placing slices of turkey over individual portions of the dressing and covering with a damp cloth to prevent drying. After standing at room temperature for about an hour it was reheated. One of the cooks had a mild eczema on his hands, and it is assumed that the meat became infected during the deboning process. The only food available for laboratory study was scraps of the turkey. Bacteriologic studies are being made of this food and of swabs from the cook's hands, as well as of vomitus and of stools from several patients.

Dr. A. L. Marshall, Indiana State Board of Health, has reported an outbreak of gastro-enteritis in a private residence. Seven persons became ill with vomiting, abdominal pain, perspiration, and weakness from 35 minutes to 3 hours after eating ham. Although precooked, the ham was ovenbaked for 3 hours, cooled at room temperature for about 5 hours, and then refrigerated. The meat before being eaten had been refrigerated for about 7 hours. Laboratory examination of a sample of the ham revealed gram-positive staphylococci in large numbers. The source of infection was not found.

Continued on page 5

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	48th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Dec. 1, 1956	Ended Dec. 3, 1955	Median 1951-55	First 48 weeks			Since seasonal low week			
				1956	1955	Median 1951-55	1955-56	1954-55	Median 1950-51 to 1954-55	
Anthrax-----062	-	-	-	36	26	32	(1)	(1)	(1)	(1)
Botulism-----049.1	-	2	---	12	8	---	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	14	15	---	1,020	1,170	---	---	---	---	---
Diphtheria-----055	67	88	88	1,406	1,760	2,198	580	1,051	1,146	July 1
Encephalitis, infectious-----082	32	12	22	2,087	1,408	1,408	1,458	848	848	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	318	427	---	17,861	29,590	---	---	---	---	---
Malaria-----110-117	3	4	---	226	459	---	(1)	(1)	(1)	(1)
Measles-----085	3,634	2,275	3,216	597,334	534,353	534,353	20,640	15,954	19,261	Sept. 1
Meningococcal infections-----057	41	71	84	2,507	3,226	3,823	542	655	819	Sept. 1
Meningitis, other-----340	43	---	---	1,496	---	---	---	---	---	---
Poliomylitis-----080	169	283	452	14,980	28,587	34,919	13,913	27,524	33,338	Apr. 1
Psittacosis-----096.2	10	5	---	470	259	---	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	8	5	10	(1)	(1)	(1)	(1)
Smallpox-----084	-	-	-	-	-	5	(1)	(1)	(1)	(1)
Typhoid fever-----040	22	35	34	1,688	1,616	2,167	1,375	1,309	1,761	Apr. 1
Typhus fever, endemic-----101	1	2	---	99	126	---	(1)	(1)	(1)	(1)
Rabies in animals-----	106	89	104	4,390	4,750	6,710	638	715	1,040	Oct. 1

<sup>1</sup>Frequencies are too small.

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, rabies in man, and smallpox are not shown in table 2,

but a footnote to table 1 shows the States making the reports. In addition, when diseases of rare occurrence (cholera, dengue, plague, relapsing fever—louse borne, typhus fever—epidemic, and yellow fever) are reported, they will be noted at the end of table 1.

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

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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 3, 1955 AND DECEMBER 1, 1956**

(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, INFECTIONOUS		HEPATITIS, INFECTIONOUS, AND SERUM 092,N998.5 pt.			
	044		48th week		Cumulative first 48 weeks		082		48th week		Cumulative first 48 weeks	
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
CONT. UNITED STATES-----	14	15	67	88	1,406	1,760	32	12	318	427	17,861	29,590
NEW ENGLAND-----	1	1	1	-	15	23	-	-	16	38	1,134	2,601
Maine-----	-	-	-	-	-	-	-	-	1	14	282	346
New Hampshire-----	-	-	-	-	1	-	-	-	1	6	32	82
Vermont-----	-	-	-	-	-	2	-	-	3	4	158	238
Massachusetts-----	-	1	1	-	14	21	-	-	7	8	291	880
Rhode Island-----	-	-	-	-	-	-	-	-	1	2	135	364
Connecticut-----	1	-	-	-	-	-	-	-	3	4	236	691
MIDDLE ATLANTIC-----	1	-	1	2	62	56	8	3	57	75	3,789	7,378
New York-----	-	-	-	2	20	36	8	3	41	36	2,030	4,017
New Jersey-----	1	-	1	-	23	6	-	-	2	8	360	471
Pennsylvania-----	-	-	-	-	19	14	-	-	14	31	1,399	2,890
EAST NORTH CENTRAL-----	7	1	27	3	275	131	1	-	51	61	2,711	4,158
Ohio-----	-	-	-	2	16	34	-	-	10	10	663	735
Indiana-----	-	-	-	-	92	34	-	-	8	7	362	568
Illinois-----	4	1	1	-	8	10	-	-	14	10	648	980
Michigan-----	3	-	27	-	155	50	1	-	18	17	736	1,174
Wisconsin-----	-	-	-	-	2	3	-	-	1	17	302	701
WEST NORTH CENTRAL-----	3	8	10	5	124	188	9	4	13	26	1,403	3,403
Minnesota-----	1	2	-	1	26	55	-	-	4	3	457	1,218
Iowa-----	-	4	1	3	16	9	1	-	5	4	356	918
Missouri-----	-	1	1	1	14	14	1	-	1	3	94	332
North Dakota-----	-	-	-	-	5	1	-	-	3	5	124	293
South Dakota-----	-	-	2	-	10	45	-	-	-	10	169	345
Nebraska-----	1	-	-	-	34	61	-	-	-	-	93	81
Kansas-----	1	1	6	-	17	3	7	4	-	1	110	216
SOUTH ATLANTIC-----	-	-	6	30	355	630	4	-	17	15	1,146	2,491
Delaware-----	-	-	-	-	-	1	-	-	-	-	31	46
Maryland-----	-	-	-	-	2	13	-	-	-	2	88	347
District of Columbia-----	-	-	-	-	1	2	1	-	-	-	21	41
Virginia-----	-	-	-	-	30	36	1	-	6	4	461	1,013
West Virginia-----	-	-	1	1	8	19	-	-	-	2	63	236
North Carolina-----	-	-	1	2	65	81	1	-	1	1	118	320
South Carolina-----	-	-	-	5	83	190	-	-	-	-	63	77
Georgia-----	-	-	2	21	77	221	-	-	10	3	156	164
Florida-----	-	-	2	1	89	67	1	-	-	3	145	247
EAST SOUTH CENTRAL-----	2	-	6	23	193	367	4	1	29	16	1,586	1,591
Kentucky-----	1	-	1	-	14	46	2	-	8	7	489	307
Tennessee-----	1	-	1	-	23	37	-	1	12	6	674	620
Alabama-----	-	-	2	20	101	237	1	-	4	1	202	234
Mississippi-----	-	-	2	3	55	47	1	-	5	2	221	370
WEST SOUTH CENTRAL-----	-	2	4	21	286	292	3	1	21	25	1,288	1,747
Arkansas-----	-	2	-	2	21	11	-	-	-	3	138	220
Louisiana-----	-	-	3	-	36	36	-	-	1	-	132	121
Oklahoma-----	-	-	-	-	59	29	-	-	2	2	103	181
Texas-----	-	-	1	19	170	216	3	1	18	20	915	1,225
MOUNTAIN-----	-	2	11	1	42	21	-	-	40	63	1,541	2,371
Montana-----	-	-	-	1	4	5	-	-	4	9	364	412
Idaho-----	-	1	-	-	1	-	-	-	3	8	194	246
Wyoming-----	-	-	-	-	7	-	-	-	1	5	105	146
Colorado-----	-	-	-	-	3	1	-	-	8	7	345	486
New Mexico-----	-	1	11	-	18	4	-	-	4	-	142	334
Arizona-----	-	-	-	-	6	8	-	-	15	32	307	651
Utah-----	-	-	-	-	3	1	-	-	4	-	75	73
Nevada-----	-	-	-	-	-	2	-	-	1	2	9	23
PACIFIC-----	-	1	1	3	54	52	3	3	74	108	3,263	3,850
Washington-----	-	-	1	-	12	24	-	-	7	34	595	830
Oregon-----	-	-	-	-	11	-	-	1	11	16	650	1,039
California-----	-	1	-	3	31	28	3	2	56	58	2,018	1,981
Alaska-----	-	-	-	-	36	-	-	-	8	5	181	359
Hawaii-----	-	-	-	-	-	-	-	-	3	-	55	42
Puerto Rico-----	1	-	7	1	77	65	-	-	3	-	222	79

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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 3, 1955 AND DECEMBER 1, 1956—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	
	48th week		Cumulative first 48 weeks		080.0,080.1		080.2		110-117		085	
	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956	1955
CONT. UNITED STATES-----	169	283	14,980	28,587	90	135	48	76	3	4	3,634	2,275
NEW ENGLAND-----	3	36	248	5,484	2	16	1	4	-	-	258	29
Maine-----	1	2	22	203	1	2	-	-	-	-	84	-
New Hampshire-----	-	1	3	221	-	-	-	-	-	-	-	-
Vermont-----	-	3	21	124	-	2	-	1	-	-	79	15
Massachusetts-----	-	17	109	3,873	-	10	-	-	-	-	10	11
Rhode Island-----	-	8	9	417	-	1	-	-	-	-	1	-
Connecticut-----	2	5	84	646	1	1	1	3	-	-	84	3
MIDDLE ATLANTIC-----	12	39	1,188	4,167	5	17	2	6	-	-	888	332
New York-----	8	23	777	2,752	5	13	2	5	-	-	656	151
New Jersey-----	-	8	210	675	-	4	-	1	-	-	115	20
Pennsylvania-----	4	8	201	740	-	-	-	-	-	-	117	161
EAST NORTH CENTRAL-----	40	55	4,052	6,739	23	32	10	13	-	-	489	517
Ohio-----	7	4	612	1,261	2	3	-	-	-	-	82	50
Indiana-----	13	12	406	436	8	8	5	2	-	-	99	22
Illinois-----	5	10	1,827	1,383	3	5	2	2	-	-	50	244
Michigan-----	7	6	667	1,177	4	4	1	1	-	-	182	168
Wisconsin-----	8	23	540	2,482	6	12	2	8	-	-	76	33
WEST NORTH CENTRAL-----	14	17	1,683	2,096	1	3	9	10	-	-	168	91
Minnesota-----	1	3	203	586	-	1	1	2	-	-	48	5
Iowa-----	3	4	627	550	-	-	3	-	-	-	52	26
Missouri-----	5	5	413	265	1	1	2	4	-	-	9	9
North Dakota-----	-	1	37	62	-	-	-	1	-	-	52	38
South Dakota-----	-	-	37	75	-	-	-	-	-	-	4	-
Nebraska-----	4	3	179	283	-	1	3	2	-	-	3	4
Kansas-----	1	1	187	275	-	-	-	1	-	-	-	9
SOUTH ATLANTIC-----	10	25	1,459	2,368	6	11	1	7	-	-	258	357
Delaware-----	-	-	27	57	-	-	-	-	-	-	13	-
Maryland-----	1	5	105	275	1	2	-	3	-	-	6	157
District of Columbia-----	-	1	11	51	-	-	-	1	-	-	-	9
Virginia-----	1	1	228	317	1	-	-	1	-	-	112	146
West Virginia-----	1	2	111	182	1	2	-	-	-	-	33	12
North Carolina-----	2	6	322	448	2	5	-	-	-	-	4	20
South Carolina-----	1	3	105	308	1	1	-	1	-	-	40	11
Georgia-----	1	5	194	268	-	1	-	1	-	-	29	27
Florida-----	3	2	356	462	-	-	1	-	-	-	21	5
EAST SOUTH CENTRAL-----	12	7	719	1,014	6	6	1	1	-	-	539	61
Kentucky-----	2	1	191	419	-	1	1	-	-	-	151	34
Tennessee-----	2	2	147	241	2	2	-	-	-	-	338	12
Alabama-----	2	1	95	172	-	-	-	1	-	-	35	15
Mississippi-----	6	3	286	182	4	3	-	-	-	-	15	-
WEST SOUTH CENTRAL-----	30	12	2,345	2,722	23	6	7	2	-	3	243	226
Arkansas-----	3	1	209	184	1	1	2	-	-	-	38	12
Louisiana-----	9	2	612	370	6	2	3	-	-	-	-	4
Oklahoma-----	2	2	221	295	2	-	-	-	-	-	3	39
Texas-----	16	7	1,303	1,873	14	3	2	2	-	3	202	171
MOUNTAIN-----	22	10	809	1,076	10	3	5	3	-	-	321	268
Montana-----	2	2	49	149	2	1	-	-	-	-	40	82
Idaho-----	1	2	108	253	-	1	-	-	-	-	1	2
Wyoming-----	3	-	36	35	2	-	1	-	-	-	-	13
Colorado-----	8	1	158	221	5	-	3	1	-	-	3	87
New Mexico-----	3	3	78	130	1	1	1	2	-	-	101	15
Arizona-----	-	-	128	127	-	-	-	-	-	-	21	63
Utah-----	5	2	218	80	-	-	-	-	-	-	153	6
Nevada-----	-	-	34	81	-	-	-	-	-	-	2	-
PACIFIC-----	26	82	2,477	2,921	14	41	12	30	3	1	470	394
Washington-----	2	14	185	512	1	5	1	2	1	-	211	78
Oregon-----	1	15	165	418	1	7	-	4	-	-	41	34
California-----	23	53	2,127	1,991	12	29	11	24	2	1	218	282
Alaska-----	-	-	12	59	-	-	-	-	-	-	76	35
Hawaii-----	-	12	67	166	-	9	-	3	-	-	304	7
Puerto Rico-----	-	-	51	443	-	-	-	-	-	-	52	66

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

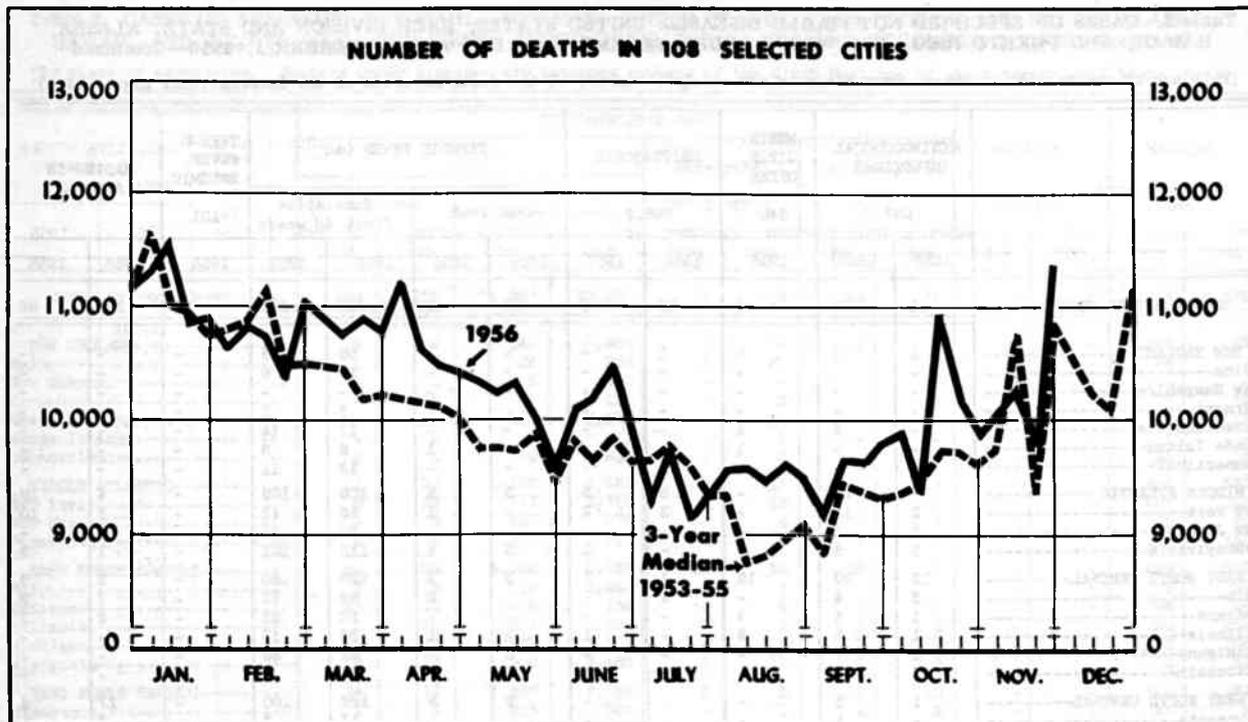
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 3, 1955 AND DECEMBER 1, 1956—Continued

(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		48th week		Cumulative first 48 weeks		101		
	1956	1955	1956	1956	1955	1956	1955	1956	1955	1956	1956	1955
CONT. UNITED STATES-----	41	71	43	10	5	22	35	1,688	1,616	1	106	89
NEW ENGLAND-----	1	2	5	1	-	-	1	55	35	-	-	-
Maine-----	-	-	-	-	-	-	-	17	6	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	3	1	-	-	-
Massachusetts-----	-	2	4	-	-	-	-	17	14	-	-	-
Rhode Island-----	-	-	1	-	-	-	1	6	3	-	-	-
Connecticut-----	1	-	-	1	-	-	-	12	11	-	-	-
MIDDLE ATLANTIC-----	7	18	-	3	3	3	5	205	169	-	4	19
New York-----	2	10	-	3	2	-	1	58	42	-	3	10
New Jersey-----	2	2	-	-	-	-	-	32	26	-	-	-
Pennsylvania-----	3	6	-	-	1	3	4	115	101	-	1	9
EAST NORTH CENTRAL-----	13	20	12	1	1	3	3	220	160	-	9	3
Ohio-----	3	4	-	1	-	-	2	59	70	-	7	2
Indiana-----	1	4	3	-	-	-	-	30	23	-	2	1
Illinois-----	1	5	9	-	1	-	1	36	33	-	-	-
Michigan-----	3	7	-	-	-	2	-	52	26	-	-	-
Wisconsin-----	5	-	-	-	-	1	-	43	8	-	-	-
WEST NORTH CENTRAL-----	1	3	-	-	-	2	8	199	100	-	17	6
Minnesota-----	-	1	-	-	-	-	-	37	7	-	7	1
Iowa-----	-	-	-	-	-	-	-	60	25	-	5	1
Missouri-----	-	1	-	-	-	2	-	67	49	-	4	2
North Dakota-----	-	-	-	-	-	-	-	6	-	-	-	2
South Dakota-----	-	1	-	-	-	-	8	3	13	-	-	-
Nebraska-----	-	-	-	-	-	-	-	13	4	-	1	-
Kansas-----	1	-	-	-	-	-	-	13	2	-	-	-
SOUTH ATLANTIC-----	3	10	7	-	1	3	5	273	296	-	27	15
Delaware-----	-	1	-	-	-	-	-	3	2	-	-	-
Maryland-----	1	-	1	-	-	-	-	17	21	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	12	6	-	-	-
Virginia-----	1	3	2	-	-	-	-	54	44	-	4	7
West Virginia-----	-	-	1	-	-	1	-	24	39	-	3	1
North Carolina-----	1	3	-	-	1	1	1	28	33	-	-	2
South Carolina-----	-	1	1	-	-	1	2	30	49	-	7	3
Georgia-----	-	-	2	-	-	2	2	53	48	-	13	2
Florida-----	-	2	-	-	-	-	-	52	54	-	-	-
EAST SOUTH CENTRAL-----	9	1	5	2	-	6	-	230	239	1	16	16
Kentucky-----	2	-	3	-	-	2	-	53	103	-	7	7
Tennessee-----	1	-	-	-	-	-	-	81	75	-	2	-
Alabama-----	6	1	-	-	-	4	-	30	40	1	7	6
Mississippi-----	-	-	2	2	-	-	-	66	21	-	-	3
WEST SOUTH CENTRAL-----	3	10	7	-	-	2	5	315	393	-	30	12
Arkansas-----	-	1	1	-	-	-	1	69	81	-	1	-
Louisiana-----	-	1	-	-	-	-	-	44	82	-	29	-
Oklahoma-----	-	1	3	-	-	-	1	49	52	-	-	-
Texas-----	3	7	3	-	-	2	3	153	178	-	-	12
MOUNTAIN-----	2	1	3	-	-	1	6	74	120	-	-	1
Montana-----	-	-	-	-	-	-	-	3	5	-	-	-
Idaho-----	-	-	1	-	-	1	3	4	15	-	-	-
Wyoming-----	-	-	-	-	-	-	-	2	6	-	-	-
Colorado-----	-	1	2	-	-	-	1	21	14	-	-	-
New Mexico-----	-	-	-	-	-	-	2	17	57	-	-	-
Arizona-----	1	-	-	-	-	-	-	24	18	-	-	1
Utah-----	1	-	-	-	-	-	-	1	4	-	-	-
Nevada-----	-	-	-	-	-	-	-	2	1	-	-	-
PACIFIC-----	2	6	4	3	-	2	2	117	104	-	3	17
Washington-----	-	2	-	1	-	-	-	3	2	-	-	-
Oregon-----	-	1	4	-	-	-	-	14	12	-	-	-
California-----	2	3	-	2	-	2	2	100	90	-	3	17
Alaska-----	-	2	-	-	-	-	-	1	4	-	-	-
Hawaii-----	-	1	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	1	-	4	-	-	1	-	75	47	-	-	-

## Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 108 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 DIVISION**

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

AREA	48th week ended Dec. 1, 1956	47th week ended Nov. 24, 1956	48th week median 1953-55	Percent change, median to current week	CUMULATIVE NUMBER FIRST 48 WEEKS		
					1956	1955	Percent change
<b>TOTAL: 105 REPORTING CITIES-----</b>	10,640	9,144	10,123	+5.1	456,423	448,672	+1.7
New England----- (13 cities)	487	429	495	-1.6	21,318	21,526	-1.0
Middle Atlantic----- (17 cities)	3,300	2,791	3,137	+5.2	142,324	142,199	+0.1
East North Central----- (18 cities)	2,424	2,258	2,409	+0.6	107,394	105,774	+1.5
West North Central----- (9 cities)	862	714	783	+10.1	35,339	34,567	+2.2
South Atlantic----- (9 cities)	898	759	817	+9.9	38,036	36,560	+4.0
East South Central----- (8 cities)	575	439	522	+10.2	22,490	22,205	+1.3
West South Central----- (12 cities)	845	783	862	-2.0	38,859	36,439	+6.6
Mountain----- (8 cities)	340	211	266	+27.8	11,800	11,279	+4.6
Pacific----- (11 cities)	909	760	799	+13.8	38,863	38,123	+1.9

# Morbidity and Mortality Weekly Report

**Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED DECEMBER 1, 1956**

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

CITY	48th week ended	47th week ended	CUMULATIVE NUMBER FIRST 48 WEEKS		CITY	48th week ended	47th week ended	CUMULATIVE NUMBER FIRST 48 WEEKS	
	Dec. 1, 1956	Nov. 24, 1956	1956	1955		Dec. 1, 1956	Nov. 24, 1956	1956	1955
<b>NEW ENGLAND</b>					<b>WEST NORTH CENTRAL—Con.</b>				
Boston, Mass.-----	---	(214)	---	(11,058)	St. Louis, Mo.-----	277	209	11,112	10,489
Bridgeport, Conn.-----	54	33	1,751	1,763	St. Paul, Minn.-----	77	62	3,136	3,059
Cambridge, Mass.-----	20	44	1,395	1,418	Wichita, Kans.-----	33	47	1,988	1,855
Fall River, Mass.-----	38	25	1,321	1,311	<b>SOUTH ATLANTIC</b>				
Hartford, Conn.-----	45	32	2,252	2,155	Atlanta, Ga.-----	115	113	5,163	4,984
Lowell, Mass.-----	18	22	1,120	1,221	Baltimore, Md.-----	251	250	11,040	10,704
Lynn, Mass.-----	19	25	997	1,068	Charlotte, N. C.-----	29	12	1,423	1,302
New Bedford, Mass.-----	25	17	1,083	1,141	Jacksonville, Fla.-----	(49)	(42)	(2,440)	(2,304)
New Haven, Conn.-----	54	42	2,167	2,029	Miami, Fla.-----	61	58	2,450	2,486
Providence, R. I.-----	69	55	2,936	3,032	Norfolk, Va.-----	56	26	1,566	1,494
Somerville, Mass.-----	14	9	720	717	Richmond, Va.-----	72	68	3,319	3,070
Springfield, Mass.-----	38	44	1,965	2,007	Savannah, Ga.-----	(53)	(12)	(1,374)	(1,355)
Waterbury, Conn.-----	31	30	1,213	1,209	Tampa, Fla.-----	81	37	2,760	2,599
Worcester, Mass.-----	62	51	2,398	2,455	Washington, D. C.-----	198	157	8,651	8,247
<b>MIDDLE ATLANTIC</b>					Wilmington, Del.-----	35	38	1,664	1,674
Albany, N. Y.-----	56	48	2,316	2,271	<b>EAST SOUTH CENTRAL</b>				
Allentown, Pa.-----	(56)	(37)	(1,783)	(1,726)	Birmingham, Ala.-----	110	89	3,655	3,643
Buffalo, N. Y.-----	204	86	6,828	6,462	Chattanooga, Tenn.-----	37	26	1,984	2,103
Camden, N. J.-----	52	31	1,867	1,723	Knoxville, Tenn.-----	32	18	1,548	1,594
Elizabeth, N. J.-----	32	34	1,321	1,248	Louisville, Ky.-----	121	105	5,032	4,920
Erie, Pa.-----	37	26	1,562	1,639	Memphis, Tenn.-----	121	100	4,694	4,691
Jersey City, N. J.-----	80	65	3,302	3,291	Mobile, Ala.-----	53	30	1,641	1,374
Newark, N. J.-----	113	80	4,611	4,766	Montgomery, Ala.-----	48	28	1,367	1,237
New York City, N. Y.-----	1,648	1,524	74,068	74,623	Nashville, Tenn.-----	53	43	2,569	2,643
Paterson, N. J.-----	46	34	1,800	1,759	<b>WEST SOUTH CENTRAL</b>				
Philadelphia, Pa.-----	498	416	22,577	22,659	Austin, Tex.-----	---	(21)	---	(1,223)
Pittsburgh, Pa.-----	232	159	8,707	8,447	Baton Rouge, La.-----	26	18	1,057	1,007
Reading, Pa.-----	---	(18)	---	(1,084)	Corpus Christi, Tex.-----	26	16	947	821
Rochester, N. Y.-----	106	102	4,521	4,505	Dallas, Tex.-----	112	121	5,166	4,669
Schenectady, N. Y.-----	22	23	1,063	1,064	El Paso, Tex.-----	30	20	1,286	1,341
Scranton, Pa.-----	(42)	(32)	(1,627)	(1,611)	Fort Worth, Tex.-----	55	64	2,769	2,608
Syracuse, N. Y.-----	65	64	2,818	2,633	Houston, Tex.-----	136	137	6,435	5,989
Trenton, N. J.-----	47	39	2,081	2,279	Little Rock, Ark.-----	51	26	2,202	2,116
Utica, N. Y.-----	30	28	1,468	1,473	New Orleans, La.-----	174	145	7,532	7,179
Yonkers, N. Y.-----	32	32	1,414	1,357	Oklahoma City, Okla.-----	61	57	2,983	2,674
<b>EAST NORTH CENTRAL</b>					San Antonio, Tex.-----	93	104	4,196	4,059
Akron, Ohio-----	72	46	2,526	2,485	Shreveport, La.-----	46	58	2,155	1,885
Canton, Ohio-----	38	34	1,364	1,298	Tulsa, Okla.-----	35	17	2,131	2,111
Chicago, Ill.-----	782	706	34,916	34,640	<b>MOUNTAIN</b>				
Cincinnati, Ohio-----	153	169	7,227	7,034	Albuquerque, N. Mex.-----	29	20	1,108	1,103
Cleveland, Ohio-----	242	192	9,781	9,387	Colorado Springs, Colo.-----	23	7	622	617
Columbus, Ohio-----	126	111	5,142	5,058	Denver, Colo.-----	157	79	5,153	5,068
Dayton, Ohio-----	74	74	3,162	3,085	Ogden, Utah-----	8	6	603	543
Detroit, Mich.-----	283	363	15,069	15,337	Phoenix, Ariz.-----	39	25	1,232	1,150
Evanston, Ind.-----	40	49	1,583	1,512	Pueblo, Colo.-----	20	15	601	592
Flint, Mich.-----	37	28	1,819	1,778	Salt Lake City, Utah-----	48	46	2,136	1,996
Fort Wayne, Ind.-----	41	30	1,705	1,588	Tucson, Ariz.-----	16	13	345	210
Gary, Ind.-----	---	(23)	---	(1,316)	<b>PACIFIC</b>				
Grand Rapids, Mich.-----	48	33	1,945	1,982	Berkeley, Calif.-----	20	17	788	869
Indianapolis, Ind.-----	140	111	5,591	5,280	Long Beach, Calif.-----	83	55	2,565	2,336
Milwaukee, Wis.-----	134	100	5,908	5,903	Los Angeles, Calif.-----	---	(456)	---	(21,777)
Peoria, Ill.-----	33	31	1,394	1,388	Oakland, Calif.-----	75	100	4,320	4,134
South Bend, Ind.-----	24	27	1,169	1,188	Pasadena, Calif.-----	38	34	1,670	1,714
Toledo, Ohio-----	114	98	4,516	4,391	Portland, Oreg.-----	97	97	4,527	4,430
Youngstown, Ohio-----	43	56	2,577	2,440	Sacramento, Calif.-----	62	61	2,325	2,324
<b>WEST NORTH CENTRAL</b>					San Diego, Calif.-----	115	87	3,599	3,507
Des Moines, Iowa-----	59	58	2,403	2,433	San Francisco, Calif.-----	181	171	9,087	8,776
Duluth, Minn.-----	32	13	1,236	1,214	Seattle, Wash.-----	152	92	5,998	6,070
Kansas City, Kans.-----	33	28	1,467	1,610	Spokane, Wash.-----	48	36	2,179	2,185
Kansas City, Mo.-----	118	125	5,176	5,243	Tacoma, Wash.-----	38	30	1,805	1,778
Minneapolis, Minn.-----	141	110	5,693	5,617	Honolulu, Hawaii-----	(41)	(32)	(1,650)	(1,697)
Omaha, Nebr.-----	92	62	3,128	3,047					

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

EPIDEMIOLOGICAL REPORTS—Continued

Dr. A. M. Washburn, Arkansas State Board of Health, has reported an outbreak of gastro-enteritis following a dinner meeting. Approximately half of the 110 persons who attended became ill with severe abdominal cramps and diarrhea from 8 to 20 hours after eating the dinner. The dinner consisted of turkey, dressing, giblet gravy, spiced apples, candied yams, buttered asparagus, lemon-fluff dessert, hot rolls, and coffee. No laboratory work was done on specimens from the individuals or on samples of food. A public health nurse who attended the meeting stated that new water pipes had been installed in the building where the food was served and that they had not been properly flushed after installation. This, however, was not definitely proved to have any relationship to the outbreak.

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