

# 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 March 15, 1958

Only 5 cases of poliomyelitis were reported for the current week, 3 of which were paralytic. The cases were reported from 5 different States. This total is well below the number reported in any week in March since 1940. The previous low total for any week in March was 10 in 1942.

### EPIDEMIOLOGICAL REPORTS

#### Influenza

The number of deaths from all causes reported in 114 large cities was 12,093 for the week ended March 15. This is a decrease of 6 percent from the previous week. Decreases occurred in all but the Pacific Division. The number of deaths from influenza and pneumonia in 108 large cities was 656 for the same week as compared with 814 for the previous week.

The 3-year median for the week is 389. The number decreased in all geographic divisions.

Dr. W. J. Bashe, Ohio Department of Health, has supplied additional information on an outbreak of influenza in a county home for elderly persons. The illness was first noted in the women's section. In addition to fever, there was sore throat, cough, and burning eyes. Cases were reported over a period of 12 days, the first case having onset on February 17. On the following 5 days, 20, 14, 17, 10, and 2 cases, respectively, had onset of illness. One new case was observed on each of the next 6 days. Examination of the number of deaths that had occurred by month since September 1956 revealed that more persons died during February 1958 than any other single month in this period. The maximum number of deaths in any month

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: Continental United States

(Numbers after diseases are category numbers of the Seventh Revision of the International Lists, 1955)

DISEASE	11th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Mar. 15, 1958	Ended Mar. 16, 1957	Median 1953-57	First 11 weeks			Since seasonal low week			
				1958	1957	Median 1953-57	1957-58	1956-57	Median 1952-53 to 1956-57	
Anthrax-----062	-	1	1	-	7	7	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	-	-	4	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	17	22	22	140	161	243	(1)	(1)	(1)	(1)
Diphtheria-----055	10	22	39	192	226	463	964	975	1,788	July 1
Encephalitis, infectious-----082	24	23	21	221	211	219	1,519	1,777	1,554	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	324	344	523	3,709	4,246	6,767	7,514	9,445	13,171	Sept. 1
Malaria-----110-117	-	1	4	11	15	36	(1)	(1)	(1)	(1)
Measles-----085	27,236	18,186	20,735	161,699	145,298	145,298	194,602	182,507	177,377	Sept. 1
Meningococcal infections-----057	67	46	112	718	607	1,065	1,675	1,338	2,087	Sept. 1
Meningitis, other-----340	54	41	---	2573	365	---	---	---	---	---
Poliomyelitis-----080 <sup>1</sup>	5	34	64	190	461	1,022	5,558	14,809	35,757	Apr. 1
Paralytic-----080.0,080.1	3	20	---	108	250	---	1,992	6,376	---	Apr. 1
Nonparalytic-----080.2	1	7	---	58	133	---	2,697	5,741	---	Apr. 1
Unspecified-----080.3	1	7	---	24	78	---	869	2,692	---	Apr. 1
Psittacosis-----096.2	5	3	4	26	51	51	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	1	-	1	(1)	(1)	(1)	(1)
Typhoid fever-----040	17	15	17	157	214	263	1,177	1,661	2,151	Apr. 1
Typhus fever, endemic-----101	2	-	2	10	22	22	99	108	161	Apr. 1
Rabies in animals-----	106	112	175	1,032	1,132	1,337	1,847	2,096	2,702	Oct. 1

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

<sup>2</sup>Revised figure.

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

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## EPIDEMIOLOGICAL REPORTS—Continued

during the fall of 1957 was 7 as compared with 14 for February 1958. Influenza vaccine had not been given to inmates prior to the present outbreak. A report was also made of four isolations of an Asian strain of influenza virus that had been obtained from personnel of a hospital located in one of the large cities of the State. These were taken during an outbreak. Another isolation was obtained from a sporadic case in another city. Informal reports of 152 cases of influenza-like illness in the former city are said not to indicate any concentration but a general increase in incidence. Excesses in deaths from influenza and pneumonia continue to be reported from most areas of the State that are under surveillance.

Dr. Keith Jensen, Virus and Rickettsial Section, Communicable Disease Center, Montgomery, Alabama, has reported that the International Influenza Center for the Americas had received for study 380 strains of type A influenza virus (Asian) up to March 13. These came from 69 different laboratories, observers, and institutions. There were 56 isolates from autopsy materials. The majority of these were from lungs, but scrapings and washings from the trachea were also included. In one case, virus was isolated from the brain. The strains were received from 34 States and 22 countries. The distribution for 343 of the strains submitted according to month of isolation was as follows:

April, May, June, 1957-----	29
July-----	34
August-----	36
September-----	66
October-----	101
November-----	42
December-----	10
January, February, March, 1958-----	25

Dr. H. M. Hardwicke, Acting Director of Health, Missouri Department of Public Health and Welfare, has reported a small outbreak of influenza in which 100 persons on a prison farm were affected. The outbreak lasted about 2 weeks. An Asian strain of type A influenza virus was isolated from one patient in the State health department laboratory.

Dr. Florence Lief, University of Pennsylvania, reports that from 24 recent fatal cases of respiratory disease, there were 3 isolations of an Asian strain of influenza virus; and in 3 other cases, significant antibody titers to the Asian strain of virus were detectable in postmortem blood. Of the 3 isolations, 2 were from persons 40 years of age or over.

Dr. Robert B. Aiken, State Health Commissioner, Vermont Department of Health, reports the isolation of an Asian strain of type A influenza virus from 1 of 2 throat washings taken during a community outbreak of influenza in Windham County. A total of 38 new cases was reported during the past week; but the outbreak is now subsiding. An extension to neighboring towns has been reported, where 70 to 100 cases have occurred. An 87-year-old woman died on March 17 of bilateral bronchopneumonia after an illness of 18 hours. She lived in a household where there was a typical case of influenza. During January there were 22 deaths from influenza and pneumonia, which is 2½ times the number in the same month last year.

The World Health Organization, Geneva, states that there was a recurrence of influenza in one area of the Federal Republic of Germany in January 1958. The death rate seemed to

be no higher than during the epidemic in October 1957, although more severe cases with pulmonary complications were encountered in January. All recent cases of influenza appear to have been among people who escaped the first wave of infection. Adeno-viruses were isolated from a few cases in January; and the presence of the Sendai strain of virus was demonstrated for the first time in Germany. The A/Asia/57 virus continues to account for the large majority of cases.

Tularemia

Information has been received from the North Carolina State Board of Health of a case of tularemia presumably contracted through a cat bite. The patient was bitten on the left thumb by a cat around Thanksgiving of 1957. Approximately 2 weeks later soreness of the bite area and swelling of the left axillary lymph nodes was noted. The lymph nodes became large and fluctuant, and they were aspirated on several occasions before they ruptured spontaneously. The serologic titer to *Pasteurella tularensis* rose to 1:640. The skin test for cat scratch fever antigen was negative. It was presumed that the cat had eaten a rabbit suffering from tularemia.

Salmonellosis

Dr. A. M. Washburn, Arkansas State Board of Health, has reported a case of salmonellosis in a nursing home. A 70-year-old patient who had been a resident of the home for less than a month became ill with severe abdominal cramps, nausea, vomiting, and diarrhea 2 hours after an evening meal. *Salmonella bareilly* was isolated from his stool. Similar symptoms, but not as severe, developed in 5 other patients. No organisms were isolated from their stools. The food handlers were also free from infection, and laboratory examination of food samples revealed no pathogens.

Gastro-enteritis

The Division of Indian Health, Public Health Service, has reported an outbreak of gastro-enteritis in an Indian school in Oklahoma, where 41 of 198 persons became ill with vomiting and diarrhea 8 to 12 hours after an evening meal of stew, pinto beans, bread, and milk. An employee who had eaten only the pinto beans had nausea, abdominal cramps, and diarrhea. Everyone recovered within 24 hours. The beans had been prepared for a special Spanish supper 2 days before, and then, after storage in a refrigerator at 40° F., were served as leftovers at the meal preceding the outbreak. No beans were available for examination.

The California State Department of Public Health has forwarded information about 2 outbreaks of gastro-enteritis. In one outbreak 12 of 40 persons became ill with cramps and diarrhea 7 to 12 hours after eating turkey a la king in a restaurant. On the average, symptoms lasted 12 hours. Stool specimens from 7 of the victims were negative. The turkey had been prepared during the 2 preceding days. The chef who cut up the turkey had had intestinal-flu-like symptoms the day before he handled the food in question. No food samples were available for examination. The other outbreak occurred in a private home where 4 of 5 persons became ill with vomiting, dizziness, chills, fever, and diarrhea 20 to 32 hours after eating baked, unstuffed turkey. Symptoms lasted from 6 to 8 hours. A few nonhemolytic, coagulase-negative, nonpigmented, gelatin nonliquefying, gram-positive cocci were isolated from the turkey and gravy. Stool specimens from 4 persons were negative.

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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 MARCH 16, 1957, AND MARCH 15, 1958  
(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	BRUCELLOSIS (UNDULANT FEVER)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		11th week		Cumulative first 11 weeks		082		11th week		Cumulative first 11 weeks	
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES-----	17	22	10	22	192	226	24	23	324	344	3,709	4,246
NEW ENGLAND-----	-	2	-	1	5	5	-	-	13	10	127	243
Maine-----	-	-	-	-	-	1	-	-	5	4	17	76
New Hampshire-----	-	-	-	-	-	-	-	-	-	2	1	6
Vermont-----	-	2	-	-	-	-	-	-	-	-	4	45
Massachusetts-----	-	-	-	1	4	4	-	-	2	2	59	67
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	17	21
Connecticut-----	-	-	-	-	1	-	-	-	6	2	29	28
MIDDLE ATLANTIC-----	3	1	-	3	18	11	5	5	40	57	389	556
New York-----	2	-	-	1	10	5	5	5	30	34	238	293
New Jersey-----	1	1	-	2	1	4	-	-	2	6	44	91
Pennsylvania-----	-	-	-	-	7	2	-	-	8	17	107	172
EAST NORTH CENTRAL-----	7	5	3	-	9	17	2	4	63	56	591	818
Ohio-----	-	-	3	-	5	4	-	-	20	15	176	220
Indiana-----	-	1	-	-	2	2	-	1	8	12	61	87
Illinois-----	7	4	-	-	-	-	1	1	17	10	126	189
Michigan-----	-	-	-	-	2	10	1	2	16	10	201	236
Wisconsin-----	-	-	-	-	-	1	-	-	2	9	27	86
WEST NORTH CENTRAL-----	4	7	-	2	15	27	-	-	29	11	276	284
Minnesota-----	1	-	-	-	-	18	-	-	1	1	37	94
Iowa-----	1	3	-	1	2	2	-	-	-	6	36	65
Missouri-----	-	1	-	-	9	-	-	-	11	1	51	54
North Dakota-----	1	-	-	-	1	-	-	-	4	1	40	47
South Dakota-----	-	1	-	-	-	4	-	-	-	-	1	12
Nebraska-----	-	2	-	-	3	1	-	-	-	1	14	7
Kansas-----	1	-	-	1	-	2	-	-	13	1	97	5
SOUTH ATLANTIC-----	1	2	1	12	56	70	3	3	16	21	252	299
Delaware-----	-	-	-	-	-	-	-	-	2	-	6	4
Maryland-----	-	-	-	-	1	1	-	-	3	3	27	34
District of Columbia-----	-	-	-	-	-	-	-	3	-	-	4	7
Virginia-----	-	1	-	-	8	-	-	-	3	8	68	112
West Virginia-----	-	-	-	-	2	1	-	-	4	2	38	28
North Carolina-----	1	-	-	-	8	10	-	-	-	2	17	25
South Carolina-----	-	-	-	5	7	15	3	-	1	-	8	10
Georgia-----	-	-	1	1	18	17	-	-	2	1	30	35
Florida-----	-	1	-	6	12	26	-	-	1	5	54	44
EAST SOUTH CENTRAL-----	-	2	1	-	17	33	-	1	35	54	305	641
Kentucky-----	-	1	-	-	1	8	-	1	21	12	159	234
Tennessee-----	-	1	-	-	5	3	-	-	8	30	88	286
Alabama-----	-	-	1	-	8	11	-	-	3	8	42	67
Mississippi-----	-	-	-	-	3	11	-	-	3	4	16	54
WEST SOUTH CENTRAL-----	1	1	4	4	42	50	8	-	31	27	278	274
Arkansas-----	1	-	-	-	6	3	-	-	1	1	17	28
Louisiana-----	-	1	1	-	3	-	-	-	-	2	5	16
Oklahoma-----	-	-	-	-	12	9	3	-	11	3	49	35
Texas-----	-	-	3	4	21	38	5	-	19	21	207	195
MOUNTAIN-----	-	-	1	-	28	8	-	-	51	33	871	372
Montana-----	-	-	-	-	14	2	-	-	-	1	78	30
Idaho-----	-	-	1	-	2	1	-	-	3	-	57	26
Wyoming-----	-	-	-	-	2	1	-	-	-	2	4	9
Colorado-----	-	-	-	-	5	1	-	-	9	3	51	60
New Mexico-----	-	-	-	-	4	3	-	-	14	22	113	129
Arizona-----	-	-	-	-	1	-	-	-	8	4	453	80
Utah-----	-	-	-	-	-	-	-	-	2	1	48	18
Nevada-----	-	-	-	-	-	-	-	-	15	-	67	20
PACIFIC-----	1	2	-	-	2	5	6	10	46	75	620	759
Washington-----	-	-	-	-	-	-	-	-	5	9	131	121
Oregon-----	1	-	-	-	1	1	-	-	5	19	60	166
California-----	-	2	-	-	1	4	6	10	36	47	429	472
Alaska-----	-	-	-	-	-	-	-	-	-	2	52	23
Hawaii-----	-	-	-	-	-	-	-	-	1	-	13	7
Puerto Rico-----	-	-	-	-	111	6	-	-	-	-	129	21

<sup>1</sup>Data exclude report from Puerto Rico for current week.

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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 MARCH 16, 1957, AND MARCH 15, 1958—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total <sup>2</sup>				Paralytic		Nonparalytic					
	11th week		Cumulative first 11 weeks		080.0,080.1		080.2		110-117		085	
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES-----	5	34	190	461	3	20	1	7	-	1	27,236	18,186
NEW ENGLAND-----	-	-	3	4	-	-	-	-	-	-	2,856	895
Maine-----	-	-	2	1	-	-	-	-	-	-	232	175
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	58	10
Vermont-----	-	-	-	-	-	-	-	-	-	-	43	108
Massachusetts-----	-	-	1	1	-	-	-	-	-	-	1,542	202
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	238	7
Connecticut-----	-	-	-	2	-	-	-	-	-	-	743	393
MIDDLE ATLANTIC-----	-	2	10	18	-	-	-	-	-	-	3,935	2,494
New York-----	-	-	8	12	-	-	-	-	-	-	2,403	1,037
New Jersey-----	-	-	2	2	-	-	-	-	-	-	677	1,056
Pennsylvania-----	-	2	-	4	-	-	-	-	-	-	855	401
EAST NORTH CENTRAL-----	-	3	17	52	-	2	-	-	-	-	6,219	3,032
Ohio-----	-	-	4	10	-	-	-	-	-	-	937	264
Indiana-----	-	1	1	11	-	1	-	-	-	-	929	499
Illinois-----	-	-	3	7	-	-	-	-	-	-	769	441
Michigan-----	-	2	7	18	-	1	-	-	-	-	980	639
Wisconsin-----	-	-	2	6	-	-	-	-	-	-	2,604	1,189
WEST NORTH CENTRAL-----	-	3	5	43	-	3	-	-	-	-	364	944
Minnesota-----	-	1	1	2	-	1	-	-	-	-	30	473
Iowa-----	-	-	1	3	-	-	-	-	-	-	-	137
Missouri-----	-	1	1	12	-	1	-	-	-	-	95	226
North Dakota-----	-	-	1	-	-	-	-	-	-	-	141	87
South Dakota-----	-	-	1	2	-	-	-	-	-	-	4	14
Nebraska-----	-	1	-	15	-	1	-	-	-	-	86	7
Kansas-----	-	-	-	9	-	-	-	-	-	-	8	-
SOUTH ATLANTIC-----	1	8	55	77	1	4	-	1	-	-	3,130	1,151
Delaware-----	-	-	1	-	-	-	-	-	-	-	15	9
Maryland-----	-	-	-	-	-	-	-	-	-	-	294	17
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	102	17
Virginia-----	-	1	1	5	-	1	-	-	-	-	651	186
West Virginia-----	-	-	3	4	-	-	-	-	-	-	289	61
North Carolina-----	1	1	20	10	1	1	-	-	-	-	218	70
South Carolina-----	-	-	2	20	-	-	-	-	-	-	546	198
Georgia-----	-	2	4	11	-	1	-	-	-	-	209	388
Florida-----	-	4	24	27	-	1	-	1	-	-	806	205
EAST SOUTH CENTRAL-----	1	2	20	29	-	2	-	-	-	-	2,893	1,560
Kentucky-----	-	-	12	2	-	-	-	-	-	-	939	340
Tennessee-----	1	2	3	8	-	2	-	-	-	-	1,678	644
Alabama-----	-	-	3	6	-	-	-	-	-	-	195	496
Mississippi-----	-	-	2	13	-	-	-	-	-	-	81	80
WEST SOUTH CENTRAL-----	1	8	27	104	-	7	1	1	-	-	4,198	2,319
Arkansas-----	-	1	3	6	-	-	-	1	-	-	84	61
Louisiana-----	-	2	6	18	-	2	-	-	-	-	9	22
Oklahoma-----	-	-	1	6	-	-	-	-	-	-	161	71
Texas-----	1	5	17	74	-	5	1	-	-	-	3,944	2,165
MOUNTAIN-----	1	2	13	36	1	1	-	-	-	-	1,599	2,015
Montana-----	-	-	-	2	-	-	-	-	-	-	151	28
Idaho-----	-	-	-	1	-	-	-	-	-	-	122	93
Wyoming-----	-	-	1	1	-	-	-	-	-	-	23	1
Colorado-----	-	1	-	6	-	1	-	-	-	-	192	81
New Mexico-----	1	-	9	3	1	-	-	-	-	-	711	371
Arizona-----	-	-	2	9	-	-	-	-	-	-	309	405
Utah-----	-	1	1	12	-	-	-	-	-	-	82	1,014
Nevada-----	-	-	-	2	-	-	-	-	-	-	9	22
PACIFIC-----	1	6	40	98	1	1	-	5	-	1	2,042	3,776
Washington-----	-	-	1	1	-	-	-	-	-	-	476	694
Oregon-----	-	2	6	10	-	1	-	1	-	-	335	383
California-----	1	4	33	87	1	-	-	4	-	1	1,231	2,699
Alaska-----	-	-	-	1	-	-	-	-	-	-	17	-
Hawaii-----	1	-	2	2	1	-	-	-	-	-	6	297
Puerto Rico-----	---	---	18	4	---	---	---	---	---	---	---	97

<sup>1</sup>Data exclude report from Puerto Rico for current week.

<sup>2</sup>Includes cases not specified by type, category number 080.3.

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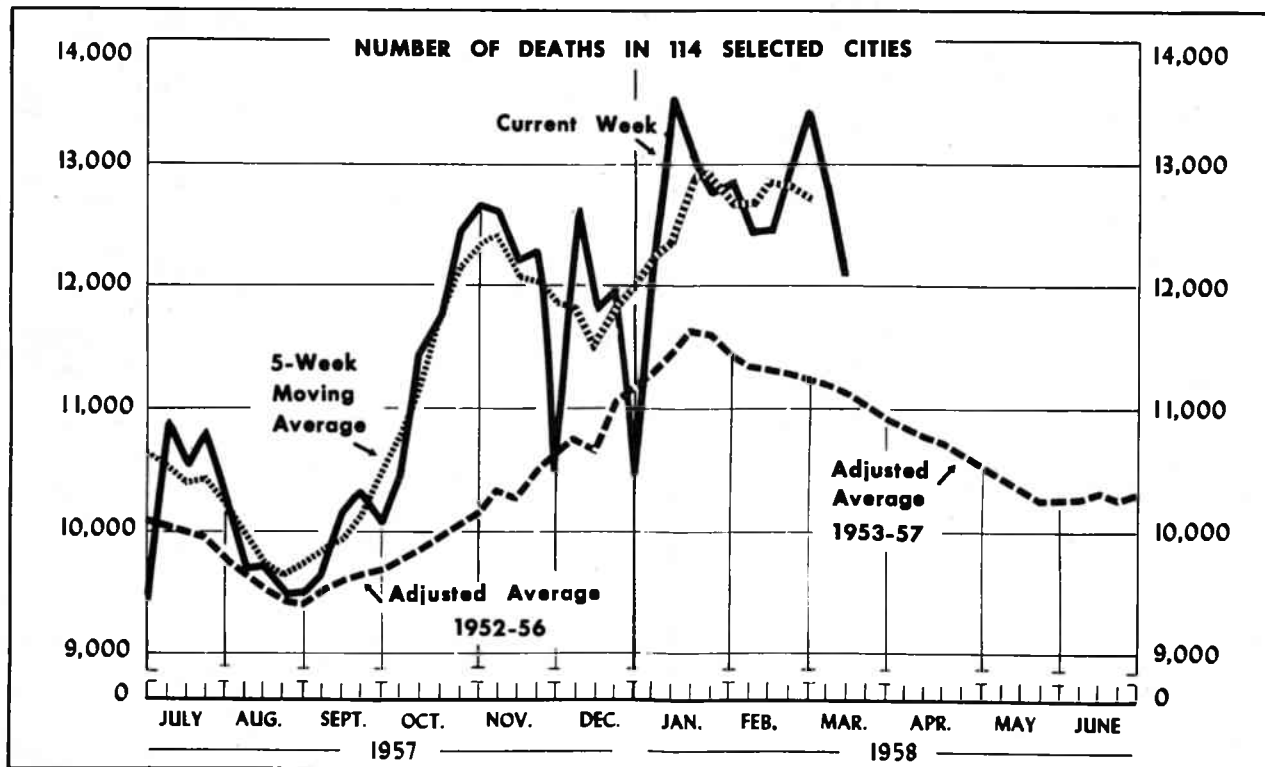
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MARCH 16, 1957, AND MARCH 15, 1958—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	057			096.2		11th week		Cumulative first 11 weeks			101	
	1958	1957	1958	1958	1957	1958	1957	1958	1957	1958	1958	1957
CONT. UNITED STATES-----	67	46	54	5	3	17	15	157	214	2	106	112
NEW ENGLAND-----	2	2	4	-	-	-	1	1	9	-	-	-
Maine-----	1	1	-	-	-	-	-	-	1	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	1	-	-	-
Vermont-----	-	-	1	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	3	-	-	-	-	1	2	-	-	-
Rhode Island-----	-	-	-	-	-	-	1	-	3	-	-	-
Connecticut-----	1	1	-	-	-	-	-	-	2	-	-	-
MIDDLE ATLANTIC-----	19	4	-	-	-	1	1	17	24	-	5	2
New York-----	6	-	-	-	-	-	-	4	8	-	2	2
New Jersey-----	6	3	-	-	-	-	1	6	8	-	-	-
Pennsylvania-----	7	1	-	-	-	1	-	7	8	-	3	-
EAST NORTH CENTRAL-----	19	11	14	-	-	3	1	18	27	-	13	9
Ohio-----	5	4	-	-	-	3	-	6	13	-	-	-
Indiana-----	1	4	3	-	-	-	1	5	6	-	9	8
Illinois-----	7	-	9	-	-	-	-	-	2	-	-	-
Michigan-----	6	3	2	-	-	-	-	3	5	-	-	-
Wisconsin-----	-	-	-	-	-	-	-	4	1	-	4	1
WEST NORTH CENTRAL-----	3	4	1	2	1	-	1	22	20	-	14	17
Minnesota-----	-	-	-	1	1	-	-	2	2	-	3	2
Iowa-----	-	-	1	-	-	-	1	4	5	-	5	9
Missouri-----	1	1	-	1	-	-	-	12	8	-	6	6
North Dakota-----	1	3	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	-	-	-	-	-	-	-	5	-	-	-
Nebraska-----	-	-	-	-	-	-	-	1	-	-	-	-
Kansas-----	1	-	-	-	-	-	-	3	2	-	-	-
SOUTH ATLANTIC-----	7	7	10	-	1	3	6	22	47	1	19	26
Delaware-----	1	-	-	-	-	-	-	-	-	-	-	-
Maryland-----	-	1	1	-	-	1	-	2	1	-	-	-
District of Columbia-----	-	-	2	-	-	-	-	1	2	-	-	-
Virginia-----	1	2	2	-	1	1	1	4	9	-	3	7
West Virginia-----	1	-	-	-	-	-	-	1	7	-	4	2
North Carolina-----	1	1	-	-	-	-	-	9	8	-	-	-
South Carolina-----	-	-	2	-	-	-	-	1	2	1	6	6
Georgia-----	-	2	3	-	-	-	-	-	4	-	4	8
Florida-----	3	1	-	-	-	1	5	4	14	-	2	3
EAST SOUTH CENTRAL-----	6	6	6	1	-	1	3	16	35	-	32	20
Kentucky-----	1	1	1	-	-	-	1	4	8	-	17	10
Tennessee-----	2	1	-	1	-	1	2	5	16	-	9	2
Alabama-----	1	2	-	-	-	-	-	6	2	-	5	8
Mississippi-----	2	2	5	-	-	-	-	1	9	-	1	-
WEST SOUTH CENTRAL-----	2	2	8	1	-	3	2	35	30	1	16	36
Arkansas-----	-	-	-	-	-	-	-	-	6	-	3	4
Louisiana-----	-	1	-	-	-	2	-	17	6	-	1	8
Oklahoma-----	-	-	1	-	-	-	-	1	5	-	1	1
Texas-----	2	1	7	1	-	1	2	17	13	1	11	23
MOUNTAIN-----	2	1	7	-	-	5	-	10	11	-	1	1
Montana-----	1	-	3	-	-	1	-	1	1	-	-	-
Idaho-----	-	-	-	-	-	-	-	3	1	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	1	-	-	-	-	-	-	2	-	-	-
New Mexico-----	1	-	1	-	-	4	-	5	6	-	-	-
Arizona-----	-	-	3	-	-	-	-	1	1	-	1	1
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	7	9	4	1	1	1	-	16	11	-	6	1
Washington-----	1	3	1	-	-	-	-	-	-	-	-	-
Oregon-----	-	-	3	-	-	1	-	4	1	-	-	-
California-----	6	6	-	1	1	-	-	12	10	-	6	1
Alaska-----	2	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	1	-	-	-
Puerto Rico-----	---	-	---	---	-	---	-	13	8	---	---	2

<sup>1</sup>Data exclude report from Puerto Rico for current week.

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



The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week and an adjusted average, 1953-57, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1953-57, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is the 5-week moving average increased by 2.3 percent to allow for estimated population growth in the cities.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in a specified 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 and because of incomplete reporting due to holidays or vacations. 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 for use in plotting the figure in the chart.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the 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	11th week ended Mar. 15, 1958	10th week ended Mar. 8, 1958	Adjusted average, 11th week 1953-57	Percent change, adjusted average to current week	CUMULATIVE NUMBER FIRST 11 WEEKS		
					1958	1957	Percent change
TOTAL: 114 REPORTING CITIES-----	12,093	12,800	11,141	+8.5	140,556	125,127	+12.3
New England----- (14 cities)	1,709	832	728	-2.6	18,610	8,437	+2.1
Middle Atlantic----- (20 cities)	3,629	3,861	3,330	+9.0	41,384	36,328	+13.9
East North Central----- (19 cities)	2,544	2,778	2,398	+6.1	130,199	26,581	+13.6
West North Central----- (9 cities)	843	891	782	+7.8	9,851	8,734	+12.8
South Atlantic----- (11 cities)	1,116	1,135	919	+21.4	12,464	10,604	+17.5
East South Central----- (8 cities)	610	637	484	+26.0	6,715	5,517	+21.7
West South Central----- (13 cities)	972	1,024	841	+15.6	11,937	10,476	+13.9
Mountain----- (8 cities)	293	301	258	+13.6	3,500	3,070	+14.0
Pacific----- (12 cities)	1,377	1,341	1,371	+0.4	15,896	15,380	+3.4

<sup>1</sup>Includes estimate for missing cities.

Table 4. DEATHS IN SELECTED CITIES

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

AREA	11th week ended Mar. 15, 1958	10th week ended Mar. 8, 1958	CUMULATIVE NUMBER FIRST 11 WEEKS	
			1958	1957
NEW ENGLAND:				
Boston, Mass.-----	<sup>1</sup> 229	278	<sup>1</sup> 2,933	2,858
Bridgeport, Conn.-----	45	48	498	434
Cambridge, Mass.-----	30	48	371	367
Fall River, Mass.-----	29	38	338	309
Hartford, Conn.-----	55	60	620	604
Lowell, Mass.-----	38	31	325	310
Lynn, Mass.-----	19	27	239	262
New Bedford, Mass.-----	17	30	313	322
New Haven, Conn.-----	45	57	561	553
Providence, R. I.-----	72	74	806	745
Somerville, Mass.-----	11	16	159	162
Springfield, Mass.-----	50	35	475	519
Waterbury, Conn.-----	21	34	332	296
Worcester, Mass.-----	48	56	640	696
MIDDLE ATLANTIC:				
Albany, N. Y.-----	61	50	648	584
Allentown, Pa.-----	29	34	398	432
Buffalo, N. Y.-----	161	250	1,950	1,695
Camden, N. J.-----	37	63	543	467
Elizabeth, N. J.-----	29	37	407	309
Erie, Pa.-----	37	39	420	404
Jersey City, N. J.-----	87	84	936	829
Newark, N. J.-----	89	76	1,216	1,226
New York City, N. Y.-----	<sup>1</sup> 7,707	<sup>1</sup> 8,855	<sup>21</sup> 1,133	<sup>18</sup> 4,445
Paterson, N. J.-----	46	39	558	442
Philadelphia, Pa.-----	705	716	6,510	5,389
Pittsburgh, Pa.-----	224	238	2,392	2,080
Reading, Pa.-----	27	23	255	282
Rochester, N. Y.-----	103	121	1,219	1,102
Schenectady, N. Y.-----	16	29	293	252
Scranton, Pa.-----	45	31	395	450
Syracuse, N. Y.-----	74	74	743	662
Trenton, N. J.-----	74	33	628	565
Utica, N. Y.-----	35	26	334	351
Yonkers, N. Y.-----	43	43	406	362
EAST NORTH CENTRAL:				
Akron, Ohio-----	59	77	718	602
Canton, Ohio-----	37	25	356	350
Chicago, Ill.-----	713	869	9,827	8,576
Cincinnati, Ohio-----	232	183	2,051	1,785
Cleveland, Ohio-----	229	268	2,612	2,408
Columbus, Ohio-----	115	151	1,429	1,255
Dayton, Ohio-----	<sup>1</sup> 63	93	<sup>1</sup> 919	841
Detroit, Mich.-----	357	345	4,011	3,704
Evansville, Ind.-----	34	27	454	337
Flint, Mich.-----	45	48	470	426
Fort Wayne, Ind.-----	32	43	449	399
Gary, Ind.-----	34	38	399	330
Grand Rapids, Mich.-----	44	56	546	446
Indianapolis, Ind.-----	142	157	1,501	1,359
Madison, Wis.-----	(45)	(37)	---	(356)
Milwaukee, Wis.-----	161	149	1,764	1,452
Peoria, Ill.-----	58	35	413	324
Rockford, Ill.-----	(31)	(20)	(329)	(261)
South Bend, Ind.-----	24	29	332	277
Toledo, Ohio-----	104	130	1,327	1,057
Youngstown, Ohio-----	61	55	621	653
WEST NORTH CENTRAL:				
Des Moines, Iowa-----	55	48	645	601
Duluth, Minn.-----	35	25	286	299
Kansas City, Kans.-----	32	33	350	353
Kansas City, Mo.-----	125	144	1,497	1,300
Lincoln, Nebr.-----	(34)	(29)	(308)	---
Minneapolis, Minn.-----	155	142	1,524	1,412
Omaha, Nebr.-----	68	91	816	792
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.-----	251	290	3,298	2,739
St. Paul, Minn.-----	69	83	898	749
Wichita, Kans.-----	53	35	537	489
SOUTH ATLANTIC:				
Atlanta, Ga.-----	112	137	1,366	1,300
Baltimore, Md.-----	312	277	3,234	2,744
Charlotte, N. C.-----	30	33	398	409
Jacksonville, Fla.-----	55	94	829	635
Miami, Fla.-----	88	99	959	577
Norfolk, Va.-----	38	26	453	417
Richmond, Va.-----	98	81	879	854
Savannah, Ga.-----	40	42	438	352
St. Petersburg, Fla.-----	(98)	(98)	(939)	---
Tampa, Fla.-----	80	75	897	753
Washington, D. C.-----	219	234	2,556	2,138
Wilmington, Del.-----	44	37	455	425
EAST SOUTH CENTRAL:				
Birmingham, Ala.-----	97	124	1,132	877
Chattanooga, Tenn.-----	71	43	612	540
Knoxville, Tenn.-----	34	41	370	343
Louisville, Ky.-----	113	124	1,390	1,235
Memphis, Tenn.-----	139	147	1,480	1,170
Mobile, Ala.-----	44	35	522	374
Montgomery, Ala.-----	34	43	470	277
Nashville, Tenn.-----	78	80	739	701
WEST SOUTH CENTRAL:				
Austin, Tex.-----	43	41	409	355
Baton Rouge, La.-----	36	24	385	303
Corpus Christi, Tex.-----	18	19	263	216
Dallas, Tex.-----	134	157	1,456	1,278
El Paso, Tex.-----	43	31	464	340
Fort Worth, Tex.-----	62	53	754	702
Houston, Tex.-----	170	165	2,030	1,709
Little Rock, Ark.-----	30	64	617	639
New Orleans, La.-----	157	181	2,310	1,990
Oklahoma City, Okla.-----	66	65	831	714
San Antonio, Tex.-----	101	109	1,217	1,109
Shreveport, La.-----	43	72	592	550
Tulsa, Okla.-----	69	43	609	571
MOUNTAIN:				
Albuquerque, N. Mex.-----	27	34	311	286
Colorado Springs, Colo.-----	15	9	149	153
Denver, Colo.-----	106	117	1,383	1,288
Ogden, Utah-----	18	12	168	145
Phoenix, Ariz.-----	47	46	557	354
Pueblo, Colo.-----	14	14	141	149
Salt Lake City, Utah-----	46	52	531	465
Tucson, Ariz.-----	20	17	260	230
PACIFIC:				
Berkeley, Calif.-----	21	24	239	226
Fresno, Calif.-----	(39)	(52)	(434)	---
Glendale, Calif.-----	(46)	(37)	(414)	---
Long Beach, Calif.-----	46	57	657	656
Los Angeles, Calif.-----	504	475	5,837	5,627
Oakland, Calif.-----	94	102	1,125	1,106
Pasadena, Calif.-----	42	33	416	434
Portland, Oreg.-----	84	123	1,140	1,099
Sacramento, Calif.-----	51	53	611	601
San Diego, Calif.-----	100	92	963	930
San Francisco, Calif.-----	204	204	2,361	2,240
San Jose, Calif.-----	(29)	(22)	(260)	---
Seattle, Wash.-----	126	111	1,552	1,496
Spokane, Wash.-----	54	43	550	516
Tacoma, Wash.-----	51	24	445	449
Honolulu, Hawaii-----	(36)	(29)	(421)	(462)

<sup>1</sup>Estimated.

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

# Morbidity and Mortality Weekly Report

## QUARANTINE MEASURES

Immunization Information for International Travel  
No changes reported.

## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting on these diseases. In addition, when diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted at the end of table 1.

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