

# 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 May 11, 1957

In the 6-week period since March, which is the beginning of the 1957 poliomyelitis season, the number of cases reported (256) is slightly more than half of the total (479) for the same period last year. A very favorable aspect of the cases reported since the end of March is the fact that the ratio of paralytic to nonparalytic cases has been about 1:1 whereas a year ago there were 2 cases of paralytic for each nonparalytic case reported. While the number of cases has increased in the past 3 weeks, so far there is no indication of a significant rise in any area of the country.

Dr. Elinor Whitney, New York State Department of Health, reports that paired sera, collected April 10 and 24 from an isolated case in Rochester, showed a 32-fold rise in antibody titer with influenza type A antigen. Cold hemagglutination titers of 32 and 64 were detected in the acute and convalescent phase specimens, respectively.

The World Health Organization, Geneva, states that according to a report dated May 4, 1957, there has been an extensive outbreak of influenza in Singapore. Numerical data on the incidence of the disease is not available. Another report dated May 9 states that about 10 percent of the population has been affected. The disease is generally of a mild form, and mortality is nil. Influenza virus type A has been isolated.

### EPIDEMIOLOGICAL REPORTS

#### Influenza

The following reports have been received by the Influenza Information Center.

#### Brucellosis

Dr. R. F. Goldsboro, New Jersey State Department of Health

Continued on page 2

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	19th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended May 11, 1957	Ended May 12, 1956	Median 1952-56	First 19 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	1	1	-	10	25	14	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	-	-	5	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	22	22	38	346	340	535	(2)	(2)	(2)	(2)
Diphtheria-----055	9	23	23	380	679	729	1,135	2,009	2,043	July 1
Encephalitis, infectious-----082	44	33	30	468	509	466	2,032	1,431	1,431	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	385	383	623	7,052	9,361	12,595	12,251	16,864	---	Sept. 1
Malaria-----110-117	-	7	11	29	64	136	(2)	(2)	(2)	(2)
Measles-----085	21,153	33,892	29,041	312,669	377,051	380,378	349,873	406,149	417,326	Sept. 1
Meningococcal infections-----057	52	66	78	1,070	1,317	2,092	1,801	2,240	3,321	Sept. 1
Meningitis, other-----340	37	30	---	623	557	---	---	---	---	---
Poliomyelitis-----080	71	85	109	783	1,546	1,801	256	479	548	Apr. 1
Paralytic-----080.0,080.1	26	40	---	382	841	---	108	258	---	Apr. 1
Nonparalytic-----080.2	38	31	---	282	430	---	119	145	---	Apr. 1
Unspecified-----080.3	7	14	---	119	275	---	29	76	---	Apr. 1
Pittacosis-----096.2	6	15	6	104	153	82	(2)	(2)	(2)	(2)
Rabies in man-----094	31	-	-	2	5	3	(2)	(2)	(2)	(2)
Typhoid fever-----040	12	42	40	361	541	541	104	229	183	Apr. 1
Typhus fever, endemic-----101	2	3	3	33	29	49	8	10	12	Apr. 1
Rabies in animals-----	108	100	124	41,939	2,271	3,168	2,903	3,298	4,683	Oct. 1

<sup>1</sup>Reported in Massachusetts.

<sup>3</sup>Reported in South Carolina.

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

<sup>4</sup>Includes revised report for Wyoming for week ended February 2, 1957.

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

## Morbidity and Mortality Weekly Report

### EPIDEMIOLOGICAL REPORTS—Continued

Health, has reported a human case of brucellosis, ophthalmic type, in a 47-year-old man. A presumptive diagnosis was based on the history of the individual working for a number of years in a milk processing plant. His duties were assisting in the transfer of raw milk from out-of-State tank trucks to overhead storage tanks. The most probable means of exposure was by milk splash when filling overhead tanks. Infection was in the form of a granulomatous uveitis and iritis. Confirmation was based on an acute inflammatory brucellergen skin test. Blood serum and culture tests were negative.

#### Psittacosis

Dr. Mason Romaine, Virginia State Department of Health, has reported a case of psittacosis in a 61-year-old woman. The patient was hospitalized and a convalescent phase serum specimen was positive for psittacosis in a dilution of 1:16. About a year ago a parakeet in the patient's home died. Later another bird was put in the same cage and in about 2 months it was let out and it flew away. A third bird was purchased from a local store and put in the same cage. This bird had not been ill but was sacrificed and sent to a laboratory for examination. The laboratory report has not yet been received.

The California State Department of Public Health has reported a case of psittacosis in a 69-year-old woman. She became ill with fever, developed a nonproductive cough, and crepitant rales in the right lower lobe. She had been in contact with a pet parakeet purchased from a local department store. Complement fixation tests showed a rise in titer from 1:8 to 1:128 for psittacosis.

#### Rocky Mountain spotted fever

Dr. E. J. Witte, Pennsylvania Department of Health, has reported a case of Rocky Mountain spotted fever in a 4-year-

old child. About the middle of April she became ill with high fever, pains in the neck, and extreme restlessness. A physician first diagnosed her condition as "intestinal grippe." A rash appeared on the wrist and legs the third day after onset. By the fourth day the rash had spread all over the body. A tentative diagnosis of Rocky Mountain spotted fever was made on the basis of tick bites mentioned in the child's history. The child and her family had spent a week at the seashore in southeastern New Jersey. The mother had removed a number of ticks from the child. A Weil-Felix test using Proteus OX antigen was negative on the fifth day following onset. It was positive in a titer of 1:40, 13 days after onset. Results of the complement fixation test were not available at the time of report.

#### Gastro-enteritis

Dr. W. M. Talbert, Regional Health Officer, Illinois State Department of Public Health, has reported an outbreak of gastro-enteritis following a church sale. Seven persons became ill with severe vomiting and diarrhea about 2½ hours after eating baked ham sandwiches. Stool specimens were collected, but the organism was not identified.

#### Smallpox in Europe

Information has been received of the occurrence of 1 imported case of smallpox in Naples, Italy. Three secondary cases have been reported, the last being April 30, 1957.

Smallpox has been diagnosed in a traveler who arrived in Hamburg, Germany, on April 20. He came by air from Indonesia by way of Karachi, Rome, and London. The patient is reported to have been vaccinated in Hamburg in February 1956.

### QUARANTINE MEASURES

Immunization Information for International Travel  
No changes reported.

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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 12, 1956 AND MAY 11, 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		19th week		Cumulative first 19 weeks		082		19th week		Cumulative first 19 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	22	22	9	23	380	679	44	33	385	383	7,052	9,361
NEW ENGLAND-----	-	-	1	1	12	5	1	1	19	28	374	612
Maine-----	-	-	1	-	2	-	-	-	5	5	112	144
New Hampshire-----	-	-	-	-	-	1	-	-	-	3	7	24
Vermont-----	-	-	-	-	-	-	-	-	2	2	70	89
Massachusetts-----	-	-	-	1	10	4	1	1	5	5	100	137
Rhode Island-----	-	-	-	-	-	-	-	-	1	2	33	69
Connecticut-----	-	-	-	-	-	-	-	-	6	11	52	149
MIDDLE ATLANTIC-----	1	1	3	3	34	27	10	12	58	90	980	1,972
New York-----	1	1	2	-	20	10	10	12	37	60	546	1,008
New Jersey-----	-	-	-	3	6	8	-	-	3	8	151	166
Pennsylvania-----	-	-	1	-	8	9	-	-	18	22	283	798
EAST NORTH CENTRAL-----	6	4	-	3	27	137	9	8	81	57	1,342	1,461
Ohio-----	-	-	-	-	5	12	1	2	13	16	333	361
Indiana-----	-	1	-	1	8	71	2	2	12	6	198	234
Illinois-----	5	2	-	-	-	3	3	1	25	9	284	354
Michigan-----	1	1	-	2	13	50	3	3	18	24	382	355
Wisconsin-----	-	-	-	-	1	1	-	-	13	2	145	157
WEST NORTH CENTRAL-----	12	8	-	-	35	75	-	-	25	32	450	824
Minnesota-----	3	1	-	-	20	24	-	-	9	10	155	239
Iowa-----	2	6	-	-	4	16	-	-	4	9	102	206
Missouri-----	3	-	-	-	1	8	-	-	5	5	88	45
North Dakota-----	1	1	-	-	1	-	-	-	3	1	60	73
South Dakota-----	-	-	-	-	4	1	-	-	-	3	23	106
Nebraska-----	2	-	-	-	2	24	-	-	1	2	11	66
Kansas-----	1	-	-	-	3	2	-	-	3	2	11	89
SOUTH ATLANTIC-----	1	2	1	2	110	129	3	-	25	26	522	545
Delaware-----	-	-	-	-	-	-	-	-	1	-	5	14
Maryland-----	-	-	-	-	1	-	-	-	1	-	60	52
District of Columbia-----	-	-	-	-	-	1	2	-	-	-	9	8
Virginia-----	1	-	-	-	5	20	-	-	18	17	213	235
West Virginia-----	-	-	-	-	1	4	-	-	-	-	42	24
North Carolina-----	-	1	-	-	16	16	-	-	-	1	40	49
South Carolina-----	-	-	-	2	18	25	1	-	-	1	11	26
Georgia-----	-	1	1	-	23	24	-	-	2	4	59	71
Florida-----	-	-	-	-	46	39	-	-	3	3	83	66
EAST SOUTH CENTRAL-----	1	2	2	1	55	93	3	-	51	39	1,007	818
Kentucky-----	-	2	-	-	11	4	3	-	38	12	438	246
Tennessee-----	1	-	-	-	5	17	-	-	7	19	388	382
Alabama-----	-	-	-	-	21	47	-	-	4	5	114	82
Mississippi-----	-	-	2	1	18	25	-	-	2	3	67	108
WEST SOUTH CENTRAL-----	-	4	2	11	89	172	-	4	27	15	496	693
Arkansas-----	-	1	-	1	6	17	-	-	2	-	41	70
Louisiana-----	-	2	-	-	8	17	-	-	1	1	28	38
Oklahoma-----	-	-	1	1	14	50	-	1	6	4	72	46
Texas-----	-	1	1	9	61	88	-	3	18	10	355	539
MOUNTAIN-----	-	1	-	-	12	14	-	-	29	28	659	968
Montana-----	-	-	-	-	2	-	-	-	1	2	89	261
Idaho-----	-	-	-	-	1	1	-	-	2	5	41	125
Wyoming-----	-	-	-	-	1	3	-	-	3	2	25	54
Colorado-----	-	-	-	-	1	3	-	-	5	6	95	200
New Mexico-----	-	1	-	-	6	1	-	-	16	1	249	85
Arizona-----	-	-	-	-	1	5	-	-	2	2	113	197
Utah-----	-	-	-	-	-	1	-	-	-	10	26	44
Nevada-----	-	-	-	-	-	-	-	-	-	-	21	2
PACIFIC-----	1	-	-	2	6	27	18	8	70	68	1,222	1,468
Washington-----	-	-	-	-	-	3	-	-	1	12	186	324
Oregon-----	-	-	-	-	2	8	-	-	23	11	262	280
California-----	1	-	-	2	4	16	18	8	46	45	774	864
Alaska-----	-	-	-	-	-	-	-	-	2	1	34	53
Hawaii-----	1	-	-	-	-	-	-	-	-	2	19	18
Puerto Rico-----	-	-	-	2	15	20	-	-	8	9	47	98

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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 MAY 12, 1956 AND MAY 11, 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	
	19th week		Cumulative first 19 weeks		080.0,080.1		080.2		1957	1956	1957	1956
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	71	85	783	1,546	26	40	38	31	-	7	21,153	33,892
NEW ENGLAND-----	3	1	8	41	1	1	2	-	-	-	1,322	347
Maine-----	-	-	1	8	-	-	-	-	-	-	143	11
New Hampshire-----	-	-	-	2	-	-	-	-	-	-	9	-
Vermont-----	1	-	1	7	1	-	-	-	-	-	75	15
Massachusetts-----	1	1	2	19	-	1	1	-	-	-	429	73
Rhode Island-----	-	-	-	2	-	-	-	-	-	-	73	-
Connecticut-----	1	-	4	3	-	-	1	-	-	-	593	248
MIDDLE ATLANTIC-----	3	5	26	100	-	-	1	-	-	-	4,809	6,586
New York-----	1	4	17	72	-	-	1	-	-	-	2,087	2,865
New Jersey-----	-	-	2	9	-	-	-	-	-	-	1,854	1,233
Pennsylvania-----	2	1	7	19	-	-	-	-	-	-	868	2,488
EAST NORTH CENTRAL-----	2	6	80	121	1	4	-	1	-	-	3,983	9,953
Ohio-----	1	1	15	24	-	-	-	-	-	-	481	3,027
Indiana-----	-	-	21	8	-	-	-	-	-	-	469	1,506
Illinois-----	-	1	9	25	-	1	-	-	-	-	509	2,072
Michigan-----	-	-	23	36	-	-	-	-	-	-	740	2,350
Wisconsin-----	1	4	12	28	1	3	-	1	-	-	1,784	1,198
WEST NORTH CENTRAL-----	5	5	66	75	2	-	3	3	-	-	1,255	1,239
Minnesota-----	1	-	3	13	1	-	-	-	-	-	365	47
Iowa-----	-	-	4	19	-	-	-	-	-	-	706	590
Missouri-----	2	2	18	19	1	-	1	1	-	-	115	355
North Dakota-----	-	-	1	2	-	-	-	-	-	-	60	117
South Dakota-----	-	-	2	8	-	-	-	-	-	-	4	5
Nebraska-----	1	2	24	6	-	-	1	1	-	-	4	100
Kansas-----	1	1	14	8	-	-	1	1	-	-	1	25
SOUTH ATLANTIC-----	6	9	111	128	1	2	4	4	-	-	1,192	3,652
Delaware-----	-	-	1	1	-	-	-	-	-	-	14	50
Maryland-----	-	-	-	4	-	-	-	-	-	-	64	169
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	38	43
Virginia-----	1	-	13	5	-	-	1	-	-	-	241	1,440
West Virginia-----	-	1	4	8	-	-	-	1	-	-	75	516
North Carolina-----	-	1	14	27	-	-	-	1	-	-	31	364
South Carolina-----	-	2	23	11	-	1	-	1	-	-	408	438
Georgia-----	-	-	17	13	-	-	-	-	-	-	217	338
Florida-----	5	5	39	59	1	1	3	1	-	-	104	294
EAST SOUTH CENTRAL-----	3	4	51	69	2	1	-	1	-	-	1,455	2,810
Kentucky-----	1	1	5	24	1	-	-	-	-	-	455	1,093
Tennessee-----	-	2	14	12	-	1	-	1	-	-	525	1,178
Alabama-----	-	1	12	3	-	-	-	-	-	-	456	355
Mississippi-----	2	-	20	30	1	-	-	-	-	-	19	184
WEST SOUTH CENTRAL-----	24	23	191	361	10	11	14	11	-	7	1,724	5,610
Arkansas-----	1	1	10	12	-	1	1	-	-	-	28	702
Louisiana-----	8	2	39	66	2	1	6	1	-	-	48	98
Oklahoma-----	-	2	7	16	-	-	-	2	-	3	60	536
Texas-----	15	18	135	267	8	9	7	8	-	4	1,588	4,274
MOUNTAIN-----	7	2	64	92	4	2	1	-	-	-	1,426	1,572
Montana-----	-	-	3	6	-	-	-	-	-	-	85	165
Idaho-----	1	1	3	12	-	1	-	-	-	-	155	202
Wyoming-----	3	-	4	3	2	-	1	-	-	-	6	37
Colorado-----	-	-	9	8	-	-	-	-	-	-	124	730
New Mexico-----	2	-	7	5	1	-	-	-	-	-	244	223
Arizona-----	1	1	21	39	1	1	-	-	-	-	331	180
Utah-----	-	-	15	8	-	-	-	-	-	-	477	34
Nevada-----	-	-	2	11	-	-	-	-	-	-	4	1
PACIFIC-----	18	30	186	559	5	19	13	11	-	-	3,987	2,123
Washington-----	-	1	2	23	-	1	-	-	-	-	1,004	650
Oregon-----	-	3	17	38	-	2	-	1	-	-	798	73
California-----	18	26	167	498	5	16	13	10	-	-	2,185	1,400
Alaska-----	-	-	2	2	-	-	-	-	-	-	9	23
Hawaii-----	-	1	2	45	-	-	-	1	-	-	84	40
Puerto Rico-----	-	1	4	14	-	1	-	-	-	-	87	16

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

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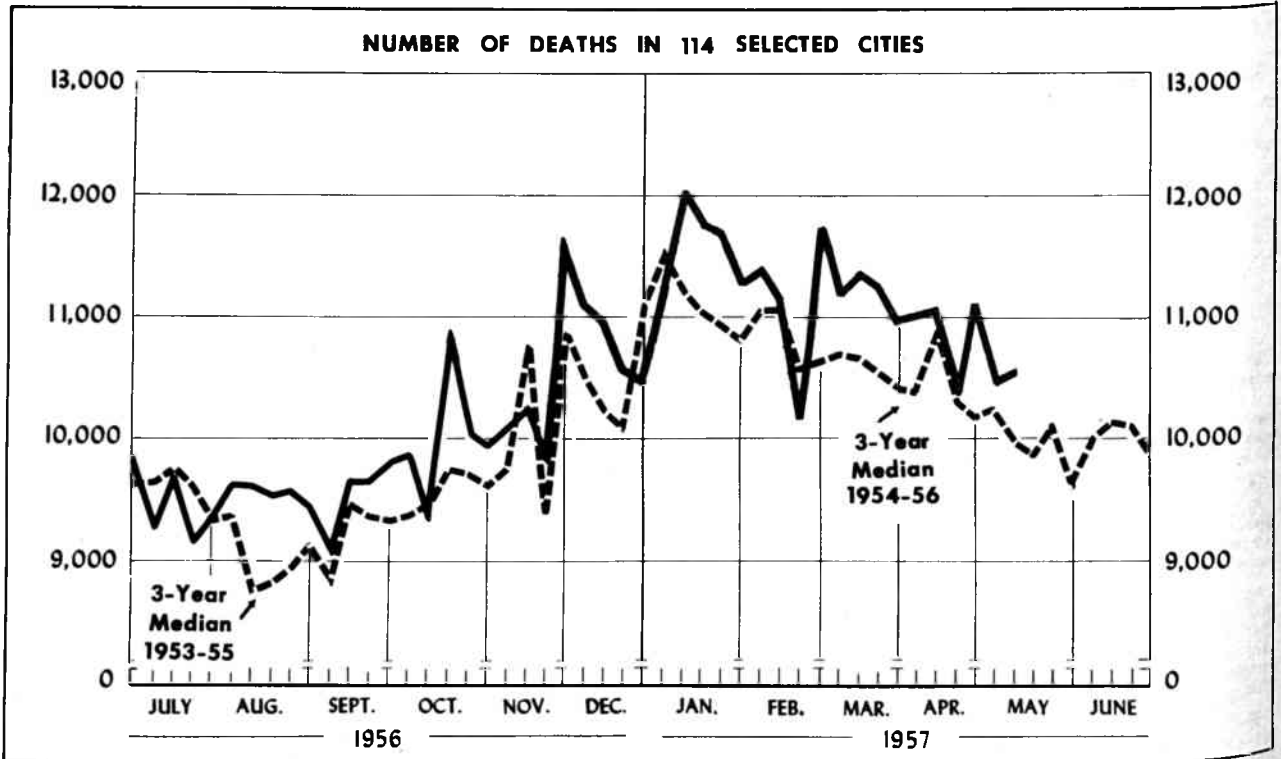
**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 12, 1956 AND MAY 11, 1957—Continued**

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

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	057		340	096.2		19th week		Cumulative first 19 weeks		101	1957	1956
	1957	1956	1957	1957	1956	1957	1956	1957	1956	1957	1957	1956
CONT. UNITED STATES-----	52	66	37	6	15	12	42	361	541	2	108	100
NEW ENGLAND-----	7	9	6	-	1	-	3	11	21	-	-	-
Maine-----	-	3	-	-	-	-	1	1	10	-	-	-
New Hampshire-----	1	-	-	-	-	-	-	1	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	4	3	4	-	-	-	2	3	6	-	-	-
Rhode Island-----	-	2	2	-	-	-	-	4	1	-	-	-
Connecticut-----	2	1	-	-	1	-	-	2	4	-	-	-
MIDDLE ATLANTIC-----	6	6	-	1	4	1	1	39	67	-	3	9
New York-----	2	3	-	-	1	-	-	16	21	-	3	8
New Jersey-----	-	1	-	-	-	1	-	13	3	-	-	-
Pennsylvania-----	4	2	-	1	3	-	1	10	43	-	-	1
EAST NORTH CENTRAL-----	13	10	7	2	4	1	10	40	81	-	16	9
Ohio-----	3	5	-	-	1	1	2	18	20	-	12	-
Indiana-----	1	2	-	2	-	-	2	10	10	-	1	7
Illinois-----	4	1	7	-	3	-	3	4	10	-	-	-
Michigan-----	4	1	-	-	-	-	2	6	15	-	-	-
Wisconsin-----	1	1	-	-	-	-	1	2	26	-	3	2
WEST NORTH CENTRAL-----	4	7	2	1	4	1	16	30	85	-	28	15
Minnesota-----	1	-	-	1	4	-	3	3	30	-	10	2
Iowa-----	1	1	2	-	-	-	9	7	23	-	10	6
Missouri-----	2	5	-	-	-	1	2	12	18	-	5	6
North Dakota-----	-	-	-	-	-	-	1	1	5	-	-	-
South Dakota-----	-	-	-	-	-	-	-	3	2	-	-	-
Nebraska-----	-	1	-	-	-	-	1	-	7	-	3	1
Kansas-----	-	-	-	-	-	-	-	4	-	-	-	-
SOUTH ATLANTIC-----	6	11	4	-	-	2	5	76	84	-	28	18
Delaware-----	-	-	-	-	-	1	-	1	1	-	-	1
Maryland-----	1	-	-	-	-	-	-	2	4	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	5	9	-	-	-
Virginia-----	1	6	3	-	-	-	1	13	9	-	9	6
West Virginia-----	-	2	1	-	-	-	1	12	9	-	4	1
North Carolina-----	1	1	-	-	-	-	1	8	14	-	2	1
South Carolina-----	2	2	-	-	-	-	-	4	9	-	11	9
Georgia-----	-	-	-	-	-	1	2	12	18	-	1	-
Florida-----	1	-	-	-	-	-	-	19	11	-	1	-
EAST SOUTH CENTRAL-----	7	4	4	1	1	2	1	58	55	1	9	21
Kentucky-----	1	1	-	-	-	1	-	19	12	-	4	5
Tennessee-----	-	-	3	1	1	-	-	23	30	-	1	2
Alabama-----	6	3	-	-	-	-	-	3	3	1	4	12
Mississippi-----	-	-	1	-	-	1	1	13	10	-	-	2
WEST SOUTH CENTRAL-----	4	10	8	-	-	5	3	67	93	1	21	24
Arkansas-----	1	-	1	-	-	1	1	12	17	-	2	7
Louisiana-----	2	5	-	-	-	1	-	13	18	-	4	-
Oklahoma-----	1	-	2	-	-	-	1	7	17	-	6	-
Texas-----	-	5	5	-	-	3	1	35	41	1	9	17
MOUNTAIN-----	2	3	4	1	-	-	-	18	15	-	-	-
Montana-----	1	-	-	-	-	-	-	1	-	-	-	-
Idaho-----	1	-	-	-	-	-	-	1	1	-	-	-
Wyoming-----	-	-	1	-	-	-	-	1	-	-	-	-
Colorado-----	-	2	3	1	-	-	-	4	4	-	-	-
New Mexico-----	-	1	-	-	-	-	-	6	7	-	-	-
Arizona-----	-	-	-	-	-	-	-	5	2	-	-	-
Utah-----	-	-	-	-	-	-	-	-	1	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	3	6	2	-	1	-	3	22	40	-	3	4
Washington-----	-	-	1	-	-	-	-	-	-	-	-	-
Oregon-----	2	2	1	-	-	-	-	3	5	-	-	-
California-----	1	4	-	-	1	-	3	19	35	-	3	4
Alaska-----	1	1	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	1	-	-	-	-
Puerto Rico-----	-	3	6	-	-	-	1	11	19	-	-	-

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	19th week ended May 11, 1957	18th week ended May 4, 1957	19th week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 19 WEEKS		
					1957	1956	Percent change
TOTAL: 109 REPORTING CITIES-----	10,176	10,058	9,634	+5.6	204,160	200,965	+1.6
New England----- (12 cities)	411	453	413	-0.5	8,693	8,401	+3.5
Middle Atlantic----- (20 cities)	3,167	3,071	3,007	+5.3	61,749	61,733	+0.0
East North Central----- (18 cities)	2,156	2,206	2,069	+4.2	43,625	43,365	+0.6
West North Central----- (8 cities)	766	718	664	+15.4	14,366	14,048	+2.4
South Atlantic----- (11 cities)	863	864	835	+3.4	17,941	17,454	+2.8
East South Central----- (8 cities)	487	491	439	+10.9	9,443	9,329	+1.2
West South Central----- (13 cities)	858	814	778	+7.7	17,535	16,413	+6.8
Mountain----- (7 cities)	212	253	208	+1.9	4,966	4,586	+8.5
Pacific----- (12 cities)	1,276	1,188	1,269	+0.6	25,822	25,636	+0.7

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Table 4. DEATHS IN SELECTED CITIES

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

AREA	19th week ended	18th week ended	CUMULATIVE NUMBER FIRST 19 WEEKS		AREA	19th week ended	18th week ended	CUMULATIVE NUMBER FIRST 19 WEEKS	
	May 11, 1957	May 4, 1957	1957	1956		May 11, 1957	May 4, 1957	1957	1956
<b>NEW ENGLAND</b>					<b>WEST NORTH CENTRAL—Con.</b>				
Boston, Mass.-----	---	(213)	---	(4,692)	St. Louis, Mo.-----	265	216	4,647	4,736
Bridgeport, Conn.-----	29	31	729	704	St. Paul, Minn.-----	83	72	1,329	1,268
Cambridge, Mass.-----	25	32	605	609	Wichita, Kans.-----	40	49	863	793
Fall River, Mass.-----	---	(36)	---	(566)	<b>SOUTH ATLANTIC</b>				
Hartford, Conn.-----	47	49	990	940	Atlanta, Ga.-----	90	94	2,163	2,146
Lovell, Mass.-----	25	25	533	492	Baltimore, Md.-----	217	227	4,696	4,518
Lynn, Mass.-----	21	23	423	414	Charlotte, N. C.-----	26	24	675	615
New Bedford, Mass.-----	29	28	519	468	Jacksonville, Fla.-----	43	39	1,057	1,037
New Haven, Conn.-----	48	56	924	930	Miami, Fla.-----	59	44	967	1,027
Providence, R. I.-----	66	66	1,243	1,237	Norfolk, Va.-----	56	32	725	646
Somerville, Mass.-----	19	18	274	324	Norfolk, Va.-----	71	84	1,464	1,372
Springfield, Mass.-----	28	40	838	815	Richmond, Va.-----	18	27	560	563
Waterbury, Conn.-----	22	25	486	492	Tampa, Fla.-----	64	77	1,297	1,199
Worcester, Mass.-----	52	60	1,129	976	Washington, D. C.-----	177	188	3,634	3,644
<b>MIDDLE ATLANTIC</b>					Wilmington, Del.-----	42	28	703	687
Albany, N. Y.-----	50	49	985	983	<b>EAST SOUTH CENTRAL</b>				
Allentown, Pa.-----	29	31	741	737	Birmingham, Ala.-----	90	85	1,507	1,502
Buffalo, N. Y.-----	190	108	2,851	2,785	Chattanooga, Tenn.-----	45	51	925	824
Camden, N. J.-----	47	34	764	765	Knorrville, Tenn.-----	25	29	593	701
Elizabeth, N. J.-----	35	33	559	574	Louisville, Ky.-----	122	91	2,093	2,103
Eric, Pa.-----	36	31	673	657	Memphis, Tenn.-----	102	132	2,087	1,946
Jersey City, N. J.-----	56	69	1,352	1,442	Mobile, Ala.-----	27	41	663	641
Newark, N. J.-----	110	103	2,100	1,918	Montgomery, Ala.-----	19	15	418	558
New York City, N. Y.-----	1,573	1,559	31,107	31,027	Nashville, Tenn.-----	57	47	1,157	1,054
Paterson, N. J.-----	43	46	779	718	<b>WEST SOUTH CENTRAL</b>				
Philadelphia, Pa.-----	506	514	9,591	9,708	Austin, Tex.-----	22	36	585	573
Pittsburgh, Pa.-----	178	190	3,512	3,664	Chattanooga, La.-----	28	26	525	433
Reading, Pa.-----	18	17	447	449	Corpus Christi, Tex.-----	33	17	396	359
Rochester, N. Y.-----	86	90	1,838	1,880	Dallas, Tex.-----	113	111	2,150	2,004
Schenectady, N. Y.-----	22	12	436	445	El Paso, Tex.-----	23	19	562	524
Scranton, Pa.-----	25	31	746	674	Fort Worth, Tex.-----	68	46	1,185	1,133
Syracuse, N. Y.-----	65	56	1,125	1,172	Houston, Tex.-----	152	114	2,894	2,605
Trenton, N. J.-----	30	30	876	893	Little Rock, Ark.-----	38	42	1,029	913
Utica, N. Y.-----	35	34	660	620	New Orleans, La.-----	125	155	3,286	3,227
Yonkers, N. Y.-----	33	34	607	622	Oklahoma City, Okla.-----	61	56	1,189	1,220
<b>EAST NORTH CENTRAL</b>					San Antonio, Tex.-----	79	88	1,834	1,648
Akron, Ohio-----	46	56	1,030	1,040	Shreveport, La.-----	58	46	937	884
Canton, Ohio-----	31	30	607	570	Tulsa, Okla.-----	38	58	963	890
Chicago, Ill.-----	762	751	14,622	14,636	<b>MOUNTAIN</b>				
Cincinnati, Ohio-----	141	160	3,031	3,073	Albuquerque, N. Mex.-----	28	26	493	443
Cleveland, Ohio-----	209	204	4,098	4,044	Colorado Springs, Colo.-----	---	(20)	---	(263)
Columbus, Ohio-----	122	107	2,184	2,130	Denver, Colo.-----	80	112	2,188	2,126
Dayton, Ohio-----	72	79	1,444	1,284	Ogden, Utah-----	5	17	232	247
Detroit, Mich.-----	237	285	6,218	6,300	Phoenix, Ariz.-----	23	31	572	534
Evanston, Ind.-----	28	41	619	698	Pueblo, Colo.-----	12	9	244	228
Flint, Mich.-----	42	28	726	739	Salt Lake City, Utah-----	44	35	838	898
Fort Wayne, Ind.-----	50	34	693	694	Tucson, Ariz.-----	20	23	399	110
Gary, Ind.-----	42	38	585	560	<b>PACIFIC</b>				
Grand Rapids, Mich.-----	53	33	791	836	Berkeley, Calif.-----	19	20	369	356
Indianapolis, Ind.-----	97	103	2,324	2,261	Long Beach, Calif.-----	36	50	1,071	1,027
Milwaukee, Wis.-----	124	134	2,516	2,405	Los Angeles, Calif.-----	443	404	9,372	9,481
Peoria, Ill.-----	30	36	563	538	Oakland, Calif.-----	90	90	1,861	1,826
South Bend, Ind.-----	22	28	467	477	Pasadena, Calif.-----	36	35	701	708
Toledo, Ohio-----	(101)	---	---	(1,859)	Portland, Oreg.-----	99	83	1,847	1,857
Youngstown, Ohio-----	48	59	1,107	1,080	Sacramento, Calif.-----	51	42	995	952
<b>WEST NORTH CENTRAL</b>					San Diego, Calif.-----	88	74	1,600	1,471
Des Moines, Iowa-----	49	44	1,016	991	San Francisco, Calif.-----	163	185	3,748	3,877
Duluth, Minn.-----	32	29	501	517	Seattle, Wash.-----	149	140	2,586	2,457
Kansas City, Kans.-----	---	---	---	(599)	Spokane, Wash.-----	60	40	909	907
Kansas City, Mo.-----	94	106	2,270	2,098	Tacoma, Wash.-----	42	25	763	717
Minneapolis, Minn.-----	128	136	2,399	2,383	Honolulu, Hawaii-----	(44)	(36)	(756)	(701)
Omaha, Nebr.-----	75	66	1,361	1,262					

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

# Morbidity and Mortality Weekly Report

## SOURCE AND NATURE OF MORBIDITY DATA

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

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