

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 16, 1957

EPIDEMIOLOGICAL REPORTS

Influenza

The following information has been received by the Influenza Information Center.

The Division of Preventive Medicine, OSG, Department of the Army, has received information from the 5th Army Medical Laboratory that 2 of 7 paired sera from Memphis were serologically positive for influenza A. The 4th Army Medical Laboratory reports that 1 of 5 paired sera from Oklahoma was positive for influenza A. It is also reported that 5 paired sera from a station in the State of Washington were positive for influenza B, and a strain of influenza B virus was isolated from a throat washing from the same station. One paired specimen of serum was serologically positive for influenza A. Aside from the single isolation of influenza virus B in California late in December, this group in Washington State constitutes the only

instances of confirmed cases of influenza B reported this winter.

The 6th Army Medical Laboratory reports the serologic diagnosis of 1 case of influenza C.

The 1st Army Medical Laboratory reports that of 4 paired specimens of serum obtained in the New England area in February, 3 were positive for influenza A-prime.

Dr. W. R. Giedt, Washington State Department of Health, reports the isolation of 2 strains of influenza A virus from patients involved in outbreak in Seattle area. Ten cases have been confirmed by complement fixation tests as A-prime influenza.

Dr. Elinor Whitney, New York State Department of Health, has supplied additional information on the previously reported outbreak of respiratory disease in university students in the west central part of the State. Eleven paired specimens of sera

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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	11th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Mar. 16, 1957	Ended Mar. 17, 1956	Median 1952-56	First 11 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	1	-	1	7	7	7	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	-	-	4	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	22	15	32	163	181	286	(2)	(2)	(2)	(2)
Diphtheria-----055	22	39	39	228	463	474	983	1,793	1,793	July 1
Encephalitis, infectious-----082	23	37	24	211	250	226	1,775	1,172	1,172	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	344	495	523	4,246	5,668	6,767	9,445	13,171	---	Sept. 1
Malaria-----110-117	1	3	4	15	29	66	(2)	(2)	(2)	(2)
Measles-----085	18,186	20,735	22,467	145,298	139,885	146,036	182,502	168,983	177,377	Sept. 1
Meningococcal infections-----057	46	61	115	607	832	1,236	1,338	1,755	2,465	Sept. 1
Meningitis, other-----340	41	37	---	365	346	---	---	---	---	---
Poliomyelitis-----080	34	64	69	463	920	1,173	14,796	29,127	35,756	Apr. 1
Paralytic-----080.0,080.1	20	39	---	250	513	---	6,375	10,690	---	Apr. 1
Nonparalytic-----080.2	7	15	---	133	236	---	5,726	11,044	---	Apr. 1
Unspecified-----080.3	7	10	---	80	171	---	2,695	7,393	---	Apr. 1
Psittacosis-----096.2	3	4	4	51	64	51	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	-	3	2	(2)	(2)	(2)	(2)
Typhoid fever-----040	15	15	27	221	263	273	1,668	1,682	2,150	Apr. 1
Typhus fever, endemic-----101	-	5	2	22	16	23	(2)	(2)	(2)	(2)
Rabies in animals-----	112	175	175	1,141	1,265	1,851	2,105	2,292	3,366	Oct. 1

¹Reported in Arizona.

²Data show no pronounced seasonal change in incidence.

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

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EPIDEMIOLOGICAL REPORTS—Continued

were examined in complement fixation tests with antigens prepared with influenza virus types A and B, the psittacosis group of viruses, and the adenovirus group, *Rickettsia burneti*; and in cold hemagglutination tests. Nine of the 11 sera showed a four-fold or greater increase in antibody titer with influenza A antigen. Five of the 11 had titers of 32 or greater in the cold hemagglutination test.

The Weekly Influenza Statement of the British Ministry of Health for the week ended February 16 states that an outbreak of cases among military personnel has been confirmed as influenza A. Viruses isolated are similar to the Dutch 1956 group.

Lymphocytic choriomeningitis

Dr. Morris Schaeffer, Virus and Rickettsia Section, CDC, Montgomery, Alabama, reports that lymphochoriomeningitis virus was isolated from a house mouse by Dr. R. E. Kissling. This is considered to be the first isolation of this virus from wild mice in the area. A child living nearby was bitten while handling the sick mouse. The animal was submitted to the laboratory to determine whether it had rabies.

Infectious encephalitis

The California State Department of Public Health has supplied a summary of acute encephalitis cases reported in 1956. From a total of 560 cases, 14 were laboratory confirmed cases of western equine and 7 were St. Louis types of infection. About 45 percent of the total were reported as mumps encephalitis. Of 1,047 pools of mosquitoes tested, 143 yielded WEE virus and 2 the St. Louis virus. Laboratory confirmation of cases in horses was obtained in only 6 animals. During 1956, 124 squirrel brains were submitted for rabies examination but none was positive for this infection. WEE virus was isolated from 4 of these animals. Children were bitten by 3 of the squirrels.

Psittacosis

Dr. Mason Romaine, Virginia State Department of Health, has reported a case of psittacosis in a 63-year-old man. This man became ill with high fever, chills, and a headache and was delirious. Later the patient was admitted to a hospital with upper respiratory symptoms and was placed in an oxygen tent, for pneumonia. Convalescence has been slow but his condition is fair at the present time. A diagnosis of psittacosis was confirmed by complement fixation tests on blood specimens collected from the patient. There was a parakeet in the patient's home. It was a gift from a friend about 5 months prior to the illness of the patient. This parakeet developed a "wheeze" which was particularly bad at night. The bird was destroyed by the family and was buried before the health department had an opportunity to obtain it for laboratory study.

Suspect smallpox

Dr. A. L. Marshall, Indiana State Board of Health, has re-

ceived a report of a suspect case of smallpox from a local physician. An investigation revealed that the patient was a 68-year-old man, living in a rural community. He had not had smallpox immunization for 40 years. He became ill with vomiting, nasopharyngitis, and general aching, 7 days before eruption. The exanthema was severe on the soles of his feet and the palms of his hands. Throughout the illness, the patient was not acutely ill and had a very low-grade fever. At the time of the investigation it was learned that the report had been made late and that all the lesions had disappeared. Blood specimens were collected for complement fixation tests; and the physician will perform a smallpox vaccination on the patient in about 1 month. Final diagnosis will depend on results of the test and the vaccination. The presence of many cases of chickenpox in the community, the mild fever and general illness of the patient, and the quick disappearance of the skin lesions led the health authorities to believe that this was not a case of smallpox.

Gastro-enteritis

Dr. E. A. Belden, Missouri Department of Public Health and Welfare, has reported an outbreak of gastro-enteritis among 12 persons in 3 families. All became ill with vomiting, nausea, cramps, and diarrhea within 4 hours after eating chocolate éclairs from a local bakery. Bacteriologic examination of an éclair submitted by one family yielded *Staphylococcus aureus*. The source of contamination was not found.

The Los Angeles County (California) Health Department has reported 2 cases of gastro-enteritis following the ingestion of veal roast. An investigation revealed that the meat had been left unrefrigerated for about 16 hours. None of the meat was available for laboratory tests. A 2-year-old child became ill about 15 minutes after eating the veal; and a 33-year-old person developed nausea, vomiting, diarrhea, and abdominal cramps, 30 minutes after eating the meat.

QUARANTINE MEASURES

Immunization Information for International Travel
Public Health Service Publication No. 384Changes Reported

America.—St. Vincent (p. 32) now requires smallpox, cholera, and yellow fever immunizations of arrivals from infected areas (except for infants under 1 year of age, cholera and yellow fever immunizations are not required).

Asia.—Aden Protectorate (p. 34) now requires smallpox immunizations of all arrivals.

The yellow fever vaccination center at Phillips Petroleum Company, Adams Building, Bartlesville, Okla., (p. 53) has made the following changes: Clinic hours are by appointment only, and a fee is now charged.

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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 17, 1956 AND MARCH 16, 1957

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

AREA	BRUCELLOSIS (UNDULANT FEVER) 044		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS 082		HEPATITIS, INFECTIOUS, AND SERUM 092, N998.5 pt.			
			11th week		Cumulative first 11 weeks				11th week		Cumulative first 11 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	22	15	22	39	228	463	23	37	344	495	4,246	5,668
NEW ENGLAND-----												
Maine-----	2	-	1	-	5	3	-	-	10	38	243	385
New Hampshire-----	-	-	-	-	1	-	-	-	4	9	76	94
Vermont-----	-	-	-	-	-	1	-	-	2	-	6	10
Massachusetts-----	2	-	-	-	-	-	-	-	-	6	45	59
Rhode Island-----	-	-	1	-	4	2	-	-	2	9	67	83
Connecticut-----	-	-	-	-	-	-	-	-	-	7	21	47
MIDDLE ATLANTIC-----												
New York-----	1	-	3	2	11	16	5	6	57	85	556	1,078
New Jersey-----	-	-	1	2	5	7	5	6	34	51	293	613
Pennsylvania-----	1	-	2	-	4	4	-	-	6	8	91	96
EAST NORTH CENTRAL-----												
Ohio-----	5	3	-	8	17	92	4	10	56	69	818	867
Indiana-----	-	-	-	-	4	9	-	1	15	31	220	228
Illinois-----	1	-	-	7	2	44	1	3	12	6	87	118
Michigan-----	4	-	-	-	-	-	1	5	10	10	189	223
Wisconsin-----	-	3	-	-	10	38	2	1	10	14	236	195
WEST NORTH CENTRAL-----												
Minnesota-----	-	-	1	-	1	1	-	-	9	8	86	103
Iowa-----	7	6	2	5	27	54	-	2	11	53	284	541
Missouri-----	-	-	-	1	18	19	-	-	1	33	94	166
North Dakota-----	3	3	1	1	2	12	-	-	6	7	65	133
South Dakota-----	1	3	1	-	-	4	-	-	1	3	54	24
Nebraska-----	1	-	-	-	4	1	-	1	-	-	4	12
Kansas-----	2	-	-	-	1	16	-	-	1	5	7	38
SOUTH ATLANTIC-----												
Delaware-----	-	-	1	2	2	2	-	1	1	-	5	43
Maryland-----	2	1	12	3	70	88	3	4	21	41	299	333
District of Columbia-----	-	-	-	-	-	-	-	-	-	3	5	34
Virginia-----	-	-	-	-	1	-	-	-	3	5	34	33
West Virginia-----	1	-	-	1	-	13	3	-	-	1	7	7
North Carolina-----	-	-	-	-	1	3	-	1	2	-	28	16
South Carolina-----	-	-	-	-	10	16	-	-	2	1	25	35
Georgia-----	-	-	5	1	15	9	-	2	-	3	10	12
Florida-----	-	-	1	-	17	19	-	-	1	1	35	34
EAST SOUTH CENTRAL-----												
Kentucky-----	1	1	-	8	33	70	1	1	54	46	641	487
Tennessee-----	1	-	-	-	8	4	1	-	12	11	234	137
Alabama-----	1	1	-	3	3	14	-	1	30	11	286	236
Mississippi-----	-	-	-	3	11	42	-	-	8	3	67	45
WEST SOUTH CENTRAL-----												
Arkansas-----	-	-	2	11	10	-	-	-	4	21	54	69
Louisiana-----	1	2	4	13	52	108	-	-	27	42	274	380
Oklahoma-----	-	-	-	4	5	10	-	-	1	6	28	37
Texas-----	1	1	-	2	2	10	-	-	2	1	16	17
MOUNTAIN-----												
Montana-----	-	-	-	-	2	9	-	-	3	-	35	21
Idaho-----	-	-	-	-	38	55	-	-	21	35	195	305
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	-	-	-	8	10	-	-	33	42	372	686
New Mexico-----	-	-	-	-	2	-	-	-	1	11	30	203
Arizona-----	-	-	-	-	1	-	-	-	-	5	26	78
Utah-----	-	-	-	-	1	1	-	-	2	7	9	38
Nevada-----	-	-	-	-	1	2	-	-	3	8	60	138
PACIFIC-----												
Washington-----	-	-	-	-	3	1	-	-	22	6	129	66
Oregon-----	-	-	-	-	5	-	-	-	4	4	80	140
California-----	-	-	-	-	-	-	-	-	-	-	-	-
Alaska-----	-	-	-	-	1	1	-	-	1	1	18	22
Hawaii-----	2	2	-	-	-	-	-	-	-	-	20	1
Puerto Rico-----	2	2	-	-	5	22	10	14	75	79	759	911
	-	-	-	-	-	1	-	-	9	18	121	199
	-	-	-	-	1	7	-	2	19	11	166	171
	2	2	-	-	4	14	10	12	47	50	472	541

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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 17, 1956 AND MARCH 16, 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 ¹				Paralytic		Nonparalytic		110-117		085	
	11th week		Cumulative first 11 weeks		080.0,080.1		080.2		110-117		085	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	34	64	463	920	20	39	7	15	1	3	18,186	20,735
NEW ENGLAND-----	-	2	4	33	-	2	-	-	-	1	895	215
Maine-----	-	-	1	6	-	-	-	-	-	-	175	9
New Hampshire-----	-	-	-	2	-	-	-	-	-	-	10	7
Vermont-----	-	1	-	6	-	-	1	-	-	-	108	31
Massachusetts-----	-	1	1	17	-	1	-	-	-	-	202	141
Rhode Island-----	-	-	-	2	-	-	-	-	-	-	7	2
Connecticut-----	-	-	2	-	-	-	-	-	1	-	393	25
MIDDLE ATLANTIC-----	2	3	18	64	-	1	-	-	-	-	2,494	3,046
New York-----	-	3	12	47	-	1	-	-	-	-	1,037	1,137
New Jersey-----	-	-	2	5	-	-	-	-	-	-	1,056	398
Pennsylvania-----	2	-	4	12	-	-	-	-	-	-	401	1,511
EAST NORTH CENTRAL-----	3	6	53	69	2	2	-	2	-	-	3,032	6,835
Ohio-----	-	-	10	16	-	-	-	-	-	-	264	1,839
Indiana-----	1	1	12	7	1	-	-	-	-	-	499	628
Illinois-----	-	3	7	9	-	1	-	1	-	-	441	1,653
Michigan-----	2	-	18	24	1	-	-	-	-	-	639	1,666
Wisconsin-----	-	2	6	13	-	1	-	1	-	-	1,189	1,049
WEST NORTH CENTRAL-----	3	1	43	46	3	-	-	-	-	-	944	724
Minnesota-----	1	-	2	5	1	-	-	-	-	-	473	13
Iowa-----	-	-	3	11	-	-	-	-	-	-	137	212
Missouri-----	1	1	12	13	1	-	-	-	-	-	226	238
North Dakota-----	-	-	-	2	-	-	-	-	-	-	87	26
South Dakota-----	-	-	2	8	-	-	-	-	-	-	14	16
Nebraska-----	1	-	15	1	1	-	-	-	-	-	7	196
Kansas-----	-	-	9	6	-	-	-	-	-	-	-	23
SOUTH ATLANTIC-----	8	7	77	75	4	5	1	2	-	-	1,151	2,241
Delaware-----	-	-	-	1	-	-	-	-	-	-	9	10
Maryland-----	-	-	-	4	-	-	-	-	-	-	17	568
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	17	97
Virginia-----	1	-	5	2	1	-	-	-	-	-	186	762
West Virginia-----	-	-	4	2	-	-	-	-	-	-	61	344
North Carolina-----	1	2	10	23	1	2	-	-	-	-	70	181
South Carolina-----	-	1	20	7	-	1	-	-	-	-	198	177
Georgia-----	2	1	11	9	1	-	-	1	-	-	388	45
Florida-----	4	3	27	27	1	2	1	1	-	-	205	57
EAST SOUTH CENTRAL-----	2	1	29	37	2	1	-	-	-	-	1,560	1,131
Kentucky-----	-	1	2	12	-	1	-	-	-	-	340	585
Tennessee-----	2	-	8	6	2	-	-	-	-	-	644	351
Alabama-----	-	-	6	1	-	-	-	-	-	-	496	151
Mississippi-----	-	-	13	18	-	-	-	-	-	-	80	44
WEST SOUTH CENTRAL-----	8	22	104	184	7	12	1	5	1	1	2,319	3,331
Arkansas-----	1	-	6	9	-	-	1	-	-	-	61	265
Louisiana-----	2	2	18	27	2	1	-	1	-	-	22	40
Oklahoma-----	-	1	6	8	-	1	-	-	-	-	71	630
Texas-----	5	19	74	140	5	10	-	4	-	1	2,165	2,396
MOUNTAIN-----	2	1	36	53	1	1	-	-	-	-	2,015	1,732
Montana-----	-	-	2	4	-	-	-	-	-	-	28	389
Idaho-----	-	-	1	5	-	-	-	-	-	-	93	26
Wyoming-----	-	-	1	2	-	-	-	-	-	-	1	134
Colorado-----	1	-	6	5	1	-	-	-	-	-	81	595
New Mexico-----	-	-	3	2	-	-	-	-	-	-	371	166
Arizona-----	-	1	9	26	-	1	-	-	-	-	406	400
Utah-----	1	-	12	3	-	-	-	-	-	-	1,014	22
Nevada-----	-	-	2	6	-	-	-	-	-	-	22	-
PACIFIC-----	6	21	99	359	1	15	5	6	1	1	3,776	1,480
Washington-----	-	-	2	19	-	-	-	-	-	-	694	569
Oregon-----	2	1	10	25	1	1	1	-	-	-	383	44
California-----	4	20	87	315	-	14	4	6	1	1	2,699	867
Alaska-----	-	-	1	1	-	-	-	-	-	-	-	15
Hawaii-----	-	2	2	39	-	2	-	-	-	-	297	15
Puerto Rico-----	-	-	4	5	-	-	-	-	-	-	97	22

¹Includes cases not specified by type, category number 080.3.

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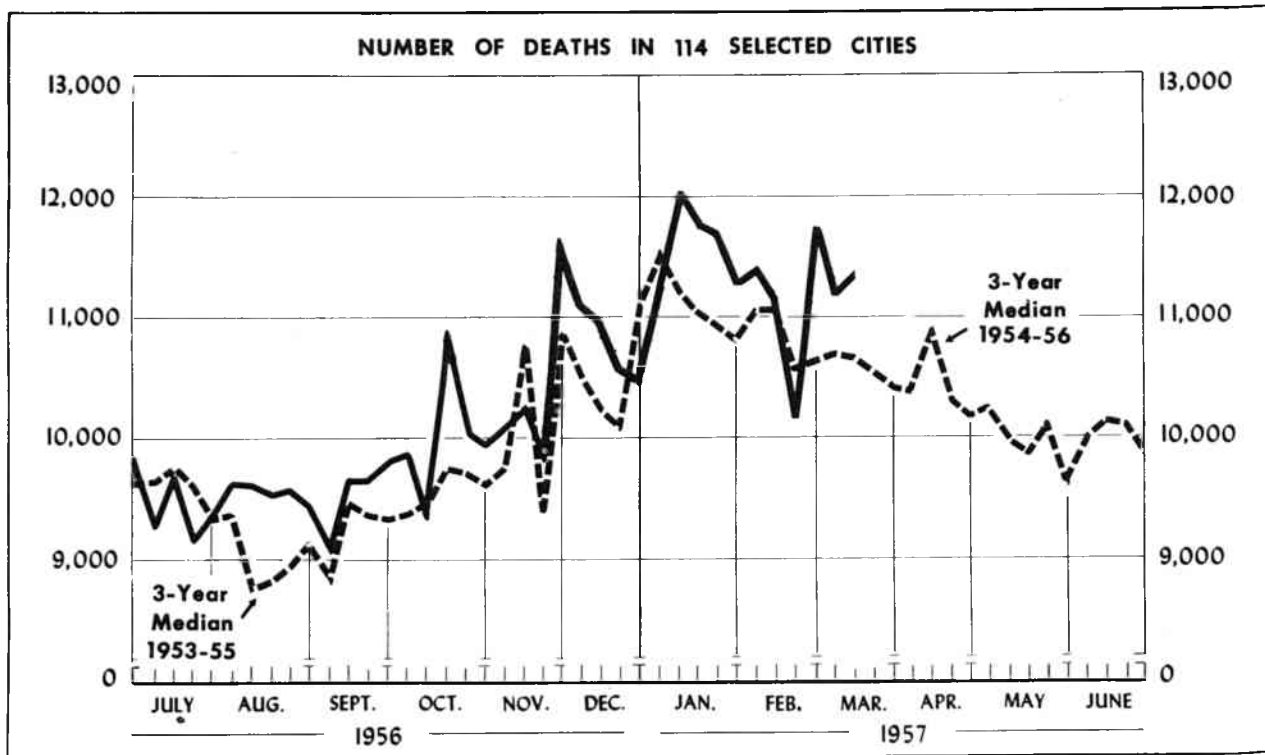
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MARCH 17, 1956 AND MARCH 16, 1957—Continued
(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	057			340	096.2		11th week		Cumulative first 11 weeks		101	1957
	1957	1956	1957	1957	1956	1957	1956	1957	1956	1957	1957	1956
CONT. UNITED STATES-----	46	61	41	3	4	15	15	221	263	-	112	175
NEW ENGLAND-----	2	3	4	-	-	1	4	9	10	-	-	-
Maine-----	1	-	1	-	-	-	1	1	3	-	-	-
New Hampshire-----	-	1	-	-	-	-	-	1	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	1	3	-	-	-	-	2	2	-	-	-
Rhode Island-----	-	-	-	-	-	1	1	3	1	-	-	-
Connecticut-----	1	1	-	-	-	-	2	2	4	-	-	-
MIDDLE ATLANTIC-----	4	13	-	-	-	1	3	24	41	-	2	13
New York-----	-	7	-	-	-	-	2	8	15	-	2	8
New Jersey-----	3	2	-	-	-	1	-	8	2	-	-	-
Pennsylvania-----	1	4	-	-	-	-	1	8	24	-	-	5
EAST NORTH CENTRAL-----	11	11	4	-	-	1	1	27	32	-	9	9
Ohio-----	4	2	-	-	-	-	-	13	9	-	-	2
Indiana-----	4	1	2	-	-	1	-	6	4	-	8	6
Illinois-----	-	3	2	-	-	-	-	2	5	-	-	1
Michigan-----	3	2	-	-	-	-	-	5	6	-	-	-
Wisconsin-----	-	3	-	-	-	-	1	1	8	-	1	-
WEST NORTH CENTRAL-----	4	5	2	1	2	1	-	20	46	-	17	5
Minnesota-----	-	1	-	1	1	-	-	2	22	-	2	2
Iowa-----	-	-	2	-	-	1	-	5	7	-	9	-
Missouri-----	1	3	-	-	1	-	-	8	7	-	6	3
North Dakota-----	3	-	-	-	-	-	-	-	4	-	-	-
South Dakota-----	-	-	-	-	-	-	-	3	2	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	4	-	-	-
Kansas-----	-	1	-	-	-	-	-	2	-	-	-	-
SOUTH ATLANTIC-----	7	7	12	1	1	6	3	47	39	-	26	23
Delaware-----	-	-	-	-	-	-	-	-	1	-	-	2
Maryland-----	1	2	1	-	-	-	-	1	2	-	-	-
District of Columbia-----	-	1	-	-	-	-	1	2	2	-	-	-
Virginia-----	2	2	5	1	1	1	-	9	1	-	7	8
West Virginia-----	-	1	-	-	-	-	-	7	6	-	2	3
North Carolina-----	1	1	-	-	-	-	1	8	8	-	-	3
South Carolina-----	-	1	5	-	-	-	-	2	6	-	6	6
Georgia-----	2	-	-	-	-	-	-	4	5	-	8	1
Florida-----	1	-	-	-	-	5	1	14	8	-	3	-
EAST SOUTH CENTRAL-----	6	1	8	-	-	3	-	35	27	-	20	30
Kentucky-----	1	1	3	-	-	1	-	8	6	-	10	16
Tennessee-----	1	1	1	-	-	2	-	16	13	-	2	6
Alabama-----	2	-	-	-	-	-	-	2	1	-	8	8
Mississippi-----	2	-	4	-	-	-	-	9	7	-	-	-
WEST SOUTH CENTRAL-----	2	9	7	-	-	2	3	36	40	-	36	70
Arkansas-----	-	3	-	-	-	-	-	6	7	-	4	3
Louisiana-----	1	-	-	-	-	-	-	12	7	-	8	253
Oklahoma-----	-	1	2	-	-	-	1	5	7	-	1	-
Texas-----	1	5	5	-	-	2	2	13	19	-	23	14
MOUNTAIN-----	1	4	2	-	-	-	-	12	7	-	1	3
Montana-----	-	-	-	-	-	-	-	1	-	-	-	-
Idaho-----	-	1	-	-	-	-	-	1	-	-	-	-
Wyoming-----	-	1	-	-	-	-	-	-	-	-	-	-
Colorado-----	1	1	1	-	-	-	-	2	2	-	-	-
New Mexico-----	-	-	-	-	-	-	-	6	4	-	-	2
Arizona-----	-	2	1	-	-	-	-	2	1	-	1	1
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	9	8	2	1	1	-	1	11	21	-	1	22
Washington-----	3	-	1	-	-	-	-	-	-	-	-	-
Oregon-----	-	1	1	-	1	-	-	1	3	-	-	-
California-----	6	7	-	1	-	-	1	10	14	-	1	22
Alaska-----	-	1	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	1	-	-	-	-
Puerto Rico-----	-	-	1	-	-	-	1	8	12	-	2	1

^a Report for February.

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

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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	11th week ended Mar. 16, 1957	10th week ended Mar. 9, 1957	11th week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 11 WEEKS		
					1957	1956	Percent change
TOTAL: 110 REPORTING CITIES-----	10,991	10,781	10,307	+6.6	120,743	118,016	+2.3
New England----- (13 cities)	523	525	464	+12.7	5,579	5,155	+8.2
Middle Atlantic----- (20 cities)	3,298	3,329	3,236	+1.9	36,328	35,645	+1.9
East North Central----- (17 cities)	2,233	2,182	2,303	-3.0	25,410	25,536	-0.5
West North Central----- (9 cities)	761	806	809	-5.9	8,734	8,657	+0.9
South Atlantic----- (11 cities)	953	916	846	+12.6	10,604	10,353	+2.4
East South Central----- (8 cities)	556	456	443	+25.5	5,517	5,557	-0.7
West South Central----- (12 cities)	970	956	774	+25.3	10,121	9,253	+9.4
Mountain----- (8 cities)	295	282	225	+31.1	3,070	2,827	+8.6
Pacific----- (12 cities)	1,402	1,329	1,294	+8.3	15,380	15,033	+2.3

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Table 4. DEATHS IN SELECTED CITIES

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

AREA	11th week ended Mar. 16, 1957	10th week ended Mar. 9, 1957	CUMULATIVE NUMBER FIRST 11 WEEKS		AREA	11th week ended Mar. 16, 1957	10th week ended Mar. 9, 1957	CUMULATIVE NUMBER FIRST 11 WEEKS	
			1957	1956				1957	1956
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	---	(232)	---	(2,745)	St. Louis, Mo.-----	237	266	2,739	2,870
Bridgeport, Conn.-----	35	40	434	390	St. Paul, Minn.-----	63	66	749	750
Cambridge, Mass.-----	35	34	367	357	Wichita, Kans.-----	44	34	489	452
Fall River, Mass.-----	24	37	309	316	SOUTH ATLANTIC				
Hartford, Conn.-----	49	57	604	522	Atlanta, Ga.-----	120	115	1,300	1,282
Lowell, Mass.-----	34	31	310	271	Baltimore, Md.-----	241	261	2,744	2,734
Lynn, Mass.-----	23	24	262	228	Charlotte, N. C.-----	49	27	409	379
New Bedford, Mass.-----	23	24	322	266	Jacksonville, Fla.-----	68	54	635	628
New Haven, Conn.-----	52	50	553	575	Miami, Fla.-----	42	60	577	629
Providence, R. I.-----	72	64	745	691	Norfolk, Va.-----	34	35	417	390
Somerville, Mass.-----	16	15	162	174	Richmond, Va.-----	79	67	854	806
Springfield, Mass.-----	59	51	519	487	Savannah, Ga.-----	26	28	352	309
Waterbury, Conn.-----	36	32	296	294	Tampa, Fla.-----	82	53	753	691
Worcester, Mass.-----	65	66	696	584	Washington, D. C.-----	187	180	2,138	2,115
MIDDLE ATLANTIC					Wilmington, Del.-----	25	36	425	390
Albany, N. Y.-----	58	55	584	571	EAST SOUTH CENTRAL				
Allentown, Pa.-----	43	36	432	412	Birmingham, Ala.-----	90	70	877	901
Buffalo, N. Y.-----	164	164	1,695	1,628	Chattanooga, Tenn.-----	44	41	540	473
Camden, N. J.-----	49	43	467	431	Knoxville, Tenn.-----	39	28	343	451
Elizabeth, N. J.-----	36	31	309	320	Louisville, Ky.-----	118	121	1,235	1,257
Erie, Pa.-----	37	34	404	396	Memphis, Tenn.-----	124	85	1,170	1,171
Jersey City, N. J.-----	94	77	829	828	Mobile, Ala.-----	44	29	374	370
Newark, N. J.-----	100	121	1,226	1,116	Montgomery, Ala.-----	27	21	277	315
New York City, N. Y.-----	1,572	1,629	18,445	17,817	Nashville, Tenn.-----	70	61	701	619
Paterson, N. J.-----	38	43	442	415	WEST SOUTH CENTRAL				
Philadelphia, Pa.-----	559	556	5,389	5,587	Austin, Tex.-----	---	(37)	---	(349)
Pittsburgh, Pa.-----	185	181	2,080	2,224	Baton Rouge, La.-----	22	25	303	257
Reading, Pa.-----	26	26	282	236	Corpus Christi, Tex.-----	25	24	216	221
Rochester, N. Y.-----	89	108	1,102	1,110	Dallas, Tex.-----	139	120	1,278	1,160
Schenectady, N. Y.-----	22	21	252	264	El Paso, Tex.-----	44	31	340	333
Scranton, Pa.-----	49	33	450	378	Fort Worth, Tex.-----	61	64	702	650
Syracuse, N. Y.-----	60	54	662	702	Houston, Tex.-----	140	167	1,709	1,471
Trenton, N. J.-----	57	62	565	511	Little Rock, Ark.-----	66	54	639	546
Utica, N. Y.-----	31	30	351	351	New Orleans, La.-----	191	212	1,990	1,921
Yonkers, N. Y.-----	29	25	362	348	Oklahoma City, Okla.-----	81	52	714	705
EAST NORTH CENTRAL					San Antonio, Tex.-----	114	75	1,109	977
Akron, Ohio-----	51	55	602	589	Shreveport, La.-----	41	43	550	507
Canton, Ohio-----	30	25	350	299	Tulsa, Okla.-----	46	89	571	505
Chicago, Ill.-----	734	737	8,576	8,640	MOUNTAIN				
Cincinnati, Ohio-----	137	185	1,785	1,859	Albuquerque, N. Mex.-----	28	27	286	257
Cleveland, Ohio-----	215	212	2,408	2,325	Colorado Springs, Colo.-----	19	8	153	162
Columbus, Ohio-----	125	96	1,255	1,257	Denver, Colo.-----	114	113	1,288	1,236
Dayton, Ohio-----	---	(80)	---	(759)	Detroit, Mich.-----	17	12	145	138
Detroit, Mich.-----	352	293	3,704	3,715	Ogden, Utah-----	29	38	354	316
Evansville, Ind.-----	31	30	337	413	Phoenix, Ariz.-----	16	20	149	145
Flint, Mich.-----	48	30	426	432	Pueblo, Colo.-----	16	20	149	145
Fort Wayne, Ind.-----	31	48	399	424	Salt Lake City, Utah-----	45	44	465	510
Gary, Ind.-----	---	(34)	---	(326)	Tucson, Ariz.-----	27	20	230	63
Grand Rapids, Mich.-----	36	39	446	467	PACIFIC				
Indianapolis, Ind.-----	115	111	1,359	1,353	Berkeley, Calif.-----	20	18	226	230
Milwaukee, Wis.-----	115	138	1,452	1,416	Long Beach, Calif.-----	75	56	656	622
Peoria, Ill.-----	35	27	324	319	Los Angeles, Calif.-----	531	480	5,627	5,648
South Bend, Ind.-----	31	21	277	281	Oakland, Calif.-----	70	95	1,106	1,041
Toledo, Ohio-----	92	86	1,057	1,126	Pasadena, Calif.-----	31	41	434	422
Youngstown, Ohio-----	55	49	653	621	Portland, Oreg.-----	106	100	1,099	1,136
WEST NORTH CENTRAL					Sacramento, Calif.-----	58	46	601	559
Des Moines, Iowa-----	59	52	601	599	San Diego, Calif.-----	74	64	930	819
Duluth, Minn.-----	15	25	299	263	San Francisco, Calif.-----	207	194	2,240	2,265
Kansas City, Kans.-----	33	34	353	345	Seattle, Wash.-----	140	145	1,496	1,396
Kansas City, Mo.-----	120	131	1,300	1,223	Spokane, Wash.-----	45	47	516	497
Minneapolis, Minn.-----	113	135	1,412	1,411	Tacoma, Wash.-----	45	43	449	398
Omaha, Nebr.-----	77	63	792	744	Honolulu, Hawaii-----	(41)	(36)	(462)	(384)

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

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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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