

Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Executive 3-6300, Ext. 4744

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended May 17, 1958

EPIDEMIOLOGICAL REPORTS

Nocardia asteroides

Dr. Thomas S. Hosty, Alabama State Department of Health, has reported that in the last 5 months 29 isolations of Nocardia asteroides have been made from sputa sent for routine culturing for tuberculosis. Primary isolations were accomplished on Löwenstein media and occasionally on blood agar-penicillin base. All isolations have been confirmed by Dr. L. Ajello of the Communicable Disease Center. Approximately half of the isolations have been made on patients with laboratory and clinical diagnoses of tuberculosis. The others have been made on patients in whom tuberculosis had been excluded by appropriate tests. Epidemiological data are being accumulated to assess the significance of such isolations.

Botulism

The Kentucky State Department of Health has forwarded a report of an outbreak of botulism in 2 persons in a family of 4 who lived as scavengers under extremely primitive conditions. On April 29, 1958, the mother of the family obtained by begging 4 or 5 jars of canned beans, which had been discarded as spoiled by the woman who had canned them by the water-bath method in 1956. The liquid in the jars appeared milky. On April 30 a jar of beans was prepared for luncheon by heating in a skillet. The 15-year-old son and 14-year-old daughter tasted but did not swallow the beans. Only the mother and the 4-year-old son ate the beans. About 10 hours later the mother became ill, drank 3 glasses of warm salt water and vomited. The 4-year-old boy complained of a sore throat. The following day

Continued on page 2

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

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

DISEASE	20th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended May 17, 1958 ¹	Ended May 18, 1957	Median 1953-57	First 20 weeks			Since seasonal low week			
				1958 ¹	1957	Median 1953-57	1957-58 ²	1956-57	Median 1952-53 to 1956-57	
Anthrax-----062	-	-	-	1	10	12	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	2	-	5	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)----044	16	17	30	275	363	463	(2)	(2)	(2)	(2)
Diphtheria-----055	11	15	20	300	396	695	1,072	1,145	2,025	July 1
Encephalitis, infectious-----082	28	21	30	551	489	489	1,849	2,055	1,749	June 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	323	335	623	6,792	7,386	13,336	10,597	12,585	19,409	Sept. 1
Malaria-----110-117	3	1	7	24	30	89	(2)	(2)	(2)	(2)
Measles-----085	36,053	20,654	25,049	497,189	333,323	389,253	530,092	370,532	436,128	Sept. 1
Meningococcal infections-----057	36	63	78	1,187	1,133	1,818	2,144	1,864	2,840	Sept. 1
Meningitis, other-----340	35	43	---	961	666	---	---	---	---	---
Poliomyelitis-----080	26	59	151	343	839	1,953	124	313	703	Apr. 1
Paralytic-----080.0, 080.1	14	30	---	179	412	---	58	138	---	Apr. 1
Nonparalytic-----080.2	4	25	---	101	304	---	34	141	---	Apr. 1
Unspecified-----080.3	8	4	---	63	123	---	32	34	---	Apr. 1
Psittacosis-----096.2	4	8	9	57	112	112	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	2	2	2	(2)	(2)	(2)	(2)
Typhoid fever-----040	7	21	40	273	382	533	96	125	208	Apr. 1
Typhus fever, endemic-----101	1	6	3	17	39	39	5	14	14	Apr. 1
Rabies in animals-----	82	98	98	³ 1,990	2,037	2,504	³ 2,805	3,001	3,869	Oct. 1

¹Data exclude report from Pennsylvania for current week.

²Data show no pronounced seasonal change in incidence.

³Includes revised report from North Carolina for week ended May 10.

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

COMMUNICABLE DISEASE CENTER

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ATLANTA 23, GEORGIA

EPIDEMIOLOGICAL REPORTS—Continued

the mother had difficulty in swallowing and had stomach pains; and the boy complained of choking. On May 2 both of them were still ill and were treated with penicillin. The following day both patients were hospitalized. The mother's symptoms included dizziness, loss of speech, diplopia, loss of pupillary reflex, sore throat, extreme difficulty in swallowing, and muscular weakness. By May 8 the mother had received 100,000 units of botulinus antitoxin and the boy, 80,000 units. Both patients still had difficulty in swallowing, and the mother still had diplopia, although her speech was returning to normal. Laboratory examination of 1 of the unopened jars of beans revealed Clostridium botulinum.

Psittacosis

Information has been received from Dr. A. C. Hollister, California Department of Public Health, of 2 cases of psittacosis in a 79-year-old woman and her 50-year-old daughter-in-law. The older woman suffered from chills, anorexia, shoulder pain, pain on breathing, cough, and a fever of 105° F. In 1 case complement fixation tests employing psittacosis antigen showed a titer rise from less than 1:8 to 1:16 within 1 week. Both women had been exposed to 4 pet parakeets. Laboratory examination of the 4 birds revealed that 2 of them were infected with psittacosis.

Insecticide poisoning

The Kentucky State Department of Health has reported a gastro-enteric illness in 20 of 366 persons who ate luncheon in a school cafeteria. The 20 children who became ill with nausea, vomiting, fever, and headache were the only persons eating in the cafeteria when it was sprayed with an insecticide containing pyrethrin, dieldrin, N-octyl sulfoxide of isosafrole, phenyl mercuric lactate, polymerized glycerol oleate, and petroleum distillates. The spraying took place about 10 to 12 feet from the table where the children were eating. One of the children who became ill had brought his lunch from home and was eating with the group at the time of the spraying. One of the children was hospitalized. Most of them were back in school the following day. No food samples were available for examination.

QUARANTINE MEASURES

Immunization Information for International Travel

Public Health Service Publication No. 384

Asia.—Pakistan (Supplement, p. 15) now requires cholera vaccination of all arrivals from infected areas. All other information remains the same.

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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 18, 1957, AND MAY 17, 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		20th week		Cumulative first 20 weeks		082		20th week		Cumulative first 20 weeks	
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES ¹ -----	16	17	11	15	300	396	28	21	323	335	6,792	7,386
NEW ENGLAND-----	-	-	-	1	5	13	3	-	10	13	226	387
Maine-----	-	-	-	-	-	2	-	-	5	3	41	115
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	1	7
Vermont-----	-	-	-	-	-	-	-	-	1	3	7	73
Massachusetts-----	-	-	-	1	4	11	3	-	2	7	96	107
Rhode Island-----	-	-	-	-	-	-	-	-	1	-	34	33
Connecticut-----	-	-	-	-	1	-	-	-	1	-	47	52
MIDDLE ATLANTIC ¹ -----	-	-	-	-	30	34	6	3	46	75	760	1,055
New York-----	-	-	-	-	13	20	5	3	40	50	501	596
New Jersey-----	-	-	-	-	2	6	1	-	6	8	71	159
Pennsylvania-----	---	---	---	---	¹ 15	8	---	---	---	17	¹ 188	300
EAST NORTH CENTRAL-----	2	2	-	3	26	30	2	4	63	47	1,175	1,389
Ohio-----	-	-	-	1	6	6	1	1	14	12	364	345
Indiana-----	-	-	-	-	12	8	-	1	2	9	116	207
Illinois-----	2	2	-	1	3	1	-	-	15	6	311	290
Michigan-----	-	-	-	1	4	14	1	1	25	15	328	397
Wisconsin-----	-	-	-	-	1	1	-	1	7	5	56	150
WEST NORTH CENTRAL-----	13	9	2	1	32	36	2	1	31	19	613	469
Minnesota-----	1	-	2	-	4	20	-	-	5	3	69	158
Iowa-----	1	5	-	-	5	4	-	-	3	13	127	115
Missouri-----	5	1	-	-	12	1	1	15	3	3	104	91
North Dakota-----	-	-	-	-	1	1	-	-	1	-	88	60
South Dakota-----	1	2	-	1	3	5	-	-	4	-	7	23
Nebraska-----	4	-	-	-	7	2	1	-	1	-	42	11
Kansas-----	1	1	-	-	-	3	1	-	2	-	176	11
SOUTH ATLANTIC-----	-	3	2	5	77	116	2	-	20	26	464	547
Delaware-----	-	-	-	-	-	-	-	-	1	-	28	5
Maryland-----	-	-	-	-	3	1	2	-	2	5	46	65
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	5	8
Virginia-----	-	1	-	-	12	5	-	-	4	6	114	219
West Virginia-----	-	-	1	-	3	2	-	-	1	2	80	44
North Carolina-----	-	-	-	-	12	16	-	-	1	-	22	40
South Carolina-----	-	-	1	-	8	18	-	-	-	2	32	13
Georgia-----	-	2	-	1	21	24	-	-	4	5	52	64
Florida-----	-	-	-	4	18	50	-	-	6	6	85	89
EAST SOUTH CENTRAL-----	-	1	-	4	22	59	1	-	35	53	616	1,060
Kentucky-----	-	-	-	-	1	11	-	-	10	25	301	463
Tennessee-----	-	-	-	1	5	6	-	-	11	23	172	411
Alabama-----	-	-	-	2	11	23	-	-	12	2	112	116
Mississippi-----	-	1	-	1	5	19	1	-	2	3	31	70
WEST SOUTH CENTRAL-----	1	1	5	1	68	90	1	-	17	23	509	519
Arkansas-----	1	-	-	-	11	6	-	-	5	1	50	42
Louisiana-----	-	-	-	-	6	8	-	-	-	1	5	29
Oklahoma-----	-	-	1	-	19	14	-	-	1	3	83	75
Texas-----	-	1	4	1	32	62	1	-	11	18	371	373
MOUNTAIN-----	-	-	-	-	35	12	-	2	24	29	1,205	688
Montana-----	-	-	-	-	15	2	-	-	6	5	155	94
Idaho-----	-	-	-	-	2	1	-	-	2	2	77	43
Wyoming-----	-	-	-	-	2	1	-	-	-	-	4	25
Colorado-----	-	-	-	-	5	1	-	-	6	4	103	99
New Mexico-----	-	-	-	-	9	6	-	2	1	9	182	258
Arizona-----	-	-	-	-	2	1	-	-	4	9	501	122
Utah-----	-	-	-	-	-	-	-	-	5	-	93	26
Nevada-----	-	-	-	-	-	-	-	-	-	-	90	21
PACIFIC-----	-	1	2	-	5	6	11	11	77	50	1,224	1,272
Washington-----	-	-	-	-	-	-	-	-	13	9	239	195
Oregon-----	-	-	-	-	1	2	-	-	11	9	142	271
California-----	-	1	2	-	4	4	11	11	53	32	843	806
Alaska-----	-	-	-	-	-	-	-	-	2	2	65	36
Hawaii-----	-	-	-	-	-	-	-	-	1	-	23	19
Puerto Rico-----	---	---	---	12	² 23	27	---	-	---	4	² 64	51

¹Data exclude report from Pennsylvania for the current week.
²Data exclude report from Puerto Rico for the 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 MAY 18, 1957, AND MAY 17, 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 ³				Paralytic		Nonparalytic		110-117		085	
	20th week		Cumulative first 20 weeks		080.0,080.1		080.2					
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES ¹ -----	26	59	343	839	14	30	4	25	3	1	36,053	20,654
NEW ENGLAND-----	-	-	6	8	-	-	-	-	-	-	3,234	1,457
Maine-----	-	-	2	1	-	-	-	-	-	-	149	182
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	37	26
Vermont-----	-	-	-	1	-	-	-	-	-	-	91	45
Massachusetts-----	-	-	1	2	-	-	-	-	-	-	1,482	615
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	478	27
Connecticut-----	-	-	3	4	-	-	-	-	-	-	997	562
MIDDLE ATLANTIC ¹ -----	2	1	16	27	1	-	-	-	-	-	4,463	3,680
New York-----	1	-	12	17	1	-	-	-	-	-	2,904	1,581
New Jersey-----	1	-	4	2	-	-	-	-	-	-	1,559	1,377
Pennsylvania-----	-	1	1	8	-	-	-	-	-	-	-	722
EAST NORTH CENTRAL-----	3	6	30	84	1	3	1	2	-	-	10,138	3,737
Ohio-----	-	1	5	16	-	-	-	-	-	-	1,510	333
Indiana-----	1	-	3	19	1	-	-	-	-	-	1,550	325
Illinois-----	1	1	5	10	-	1	1	-	-	-	1,250	289
Michigan-----	1	4	13	27	-	2	-	2	-	-	2,136	1,077
Wisconsin-----	-	-	4	12	-	-	-	-	-	-	3,692	1,715
WEST NORTH CENTRAL-----	-	1	14	67	-	-	-	1	-	-	1,129	1,404
Minnesota-----	-	-	1	3	-	-	-	-	-	-	101	337
Iowa-----	-	1	3	5	-	-	-	1	-	-	601	300
Missouri-----	-	-	2	18	-	-	-	-	-	-	134	617
North Dakota-----	-	-	2	1	-	-	-	-	-	-	215	140
South Dakota-----	-	-	3	2	-	-	-	-	-	-	-	5
Nebraska-----	-	-	2	24	-	-	-	-	-	-	78	5
Kansas-----	-	-	1	14	-	-	-	-	-	-	(*)	-
SOUTH ATLANTIC-----	6	4	79	115	3	1	-	2	-	-	4,483	1,496
Delaware-----	-	-	1	1	-	-	-	-	-	-	25	12
Maryland-----	-	-	-	-	-	-	-	-	-	-	158	50
District of Columbia-----	1	-	1	-	1	-	-	-	-	-	22	37
Virginia-----	-	-	3	13	-	-	-	-	-	-	1,567	173
West Virginia-----	1	-	6	4	1	-	-	-	-	-	532	133
North Carolina-----	-	1	20	15	-	-	-	1	-	-	85	128
South Carolina-----	-	-	3	23	-	-	-	-	-	-	995	341
Georgia-----	-	1	6	18	-	1	-	-	-	-	458	371
Florida-----	4	2	39	41	1	-	-	1	-	-	641	251
EAST SOUTH CENTRAL-----	2	2	36	53	2	1	-	1	-	-	2,581	1,622
Kentucky-----	1	-	17	5	1	-	-	-	-	-	823	522
Tennessee-----	-	1	6	15	-	-	-	1	-	-	1,129	489
Alabama-----	-	-	5	12	-	-	-	-	-	-	507	583
Mississippi-----	1	1	8	21	1	1	-	-	-	-	122	28
WEST SOUTH CENTRAL-----	5	29	61	220	4	19	1	10	-	-	4,567	2,041
Arkansas-----	-	5	4	15	-	3	-	2	-	-	46	5
Louisiana-----	-	1	7	40	-	-	-	1	-	-	2	82
Oklahoma-----	-	-	4	7	-	-	-	-	-	-	488	56
Texas-----	5	23	46	158	4	16	1	7	-	-	4,031	1,898
MOUNTAIN-----	6	2	33	65	2	1	1	-	-	-	2,630	1,302
Montana-----	1	-	3	3	-	-	-	-	-	-	218	94
Idaho-----	-	-	-	3	-	-	-	-	-	-	150	215
Wyoming-----	-	-	2	4	-	-	-	-	-	-	62	-
Colorado-----	-	1	6	10	-	1	-	-	-	-	653	84
New Mexico-----	-	1	10	7	-	-	-	-	-	-	276	190
Arizona-----	3	-	8	21	1	-	1	-	-	-	977	355
Utah-----	1	-	2	15	1	-	-	-	-	-	252	253
Nevada-----	1	-	2	2	-	-	-	-	-	-	42	111
PACIFIC-----	2	14	68	200	1	5	1	9	3	1	2,828	3,915
Washington-----	-	-	6	2	-	-	-	-	-	-	603	1,006
Oregon-----	-	-	6	17	-	-	-	-	-	-	297	987
California-----	2	14	56	181	1	5	1	9	3	1	1,928	1,922
Alaska-----	-	-	1	2	-	-	-	-	-	-	39	63
Hawaii-----	3	-	7	2	3	-	-	-	-	-	18	18
Puerto Rico-----	-	-	² 28	4	-	-	-	-	-	-	-	86

¹Data exclude report from Pennsylvania for the current week.²Data exclude report from Puerto Rico for the current week.³Includes 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 18, 1957, AND MAY 17, 1958—Continued

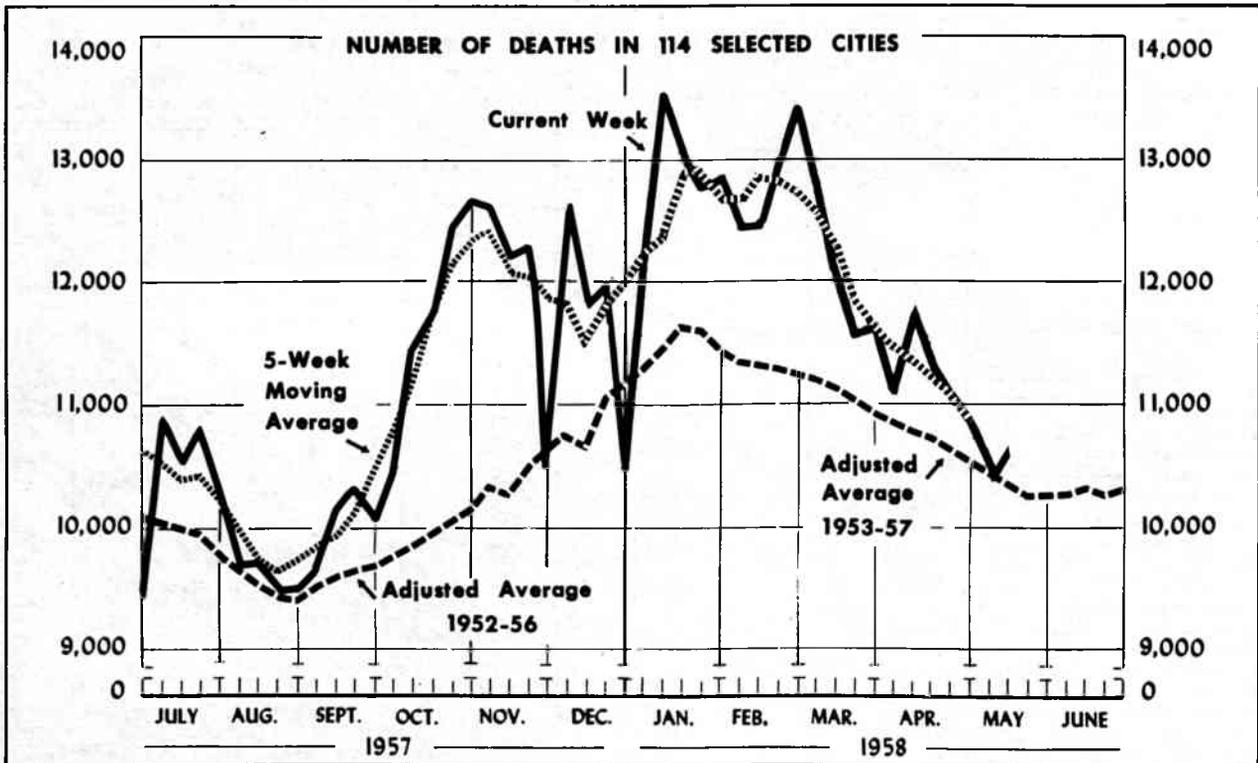
(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
			340			20th week		Cumulative first 20 weeks		101		
	057	1958	1957	1958	1957	1958	1957	1958	1957	1958	1958	1957
CONT. UNITED STATES ¹ -----	36	63	33	4	8	7	21	273	382	1	82	98
NEW ENGLAND-----	3	1	2	-	-	1	-	4	11	-	-	-
Maine-----	1	-	-	-	-	-	-	1	1	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	1	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	1	1	1	-	-	-	-	2	3	-	-	-
Rhode Island-----	1	-	1	-	-	-	-	-	4	-	-	-
Connecticut-----	-	-	-	-	-	1	-	1	2	-	-	-
MIDDLE ATLANTIC ¹ -----	5	21	-	1	-	-	1	30	40	-	-	3
New York-----	4	7	-	-	-	-	1	9	17	-	-	3
New Jersey-----	1	4	-	1	-	-	-	8	13	-	-	-
Pennsylvania-----	---	10	---	---	---	---	---	13	10	---	---	-
EAST NORTH CENTRAL-----	9	10	7	-	2	-	5	22	45	-	19	15
Ohio-----	5	-	-	-	-	-	2	7	20	-	8	9
Indiana-----	1	1	1	-	-	-	-	6	10	-	5	4
Illinois-----	1	3	6	-	1	-	1	1	5	-	2	-
Michigan-----	2	4	-	-	-	-	-	4	6	-	-	-
Wisconsin-----	-	2	-	-	1	-	-	4	4	-	4	2
WEST NORTH CENTRAL-----	1	2	-	-	-	-	1	28	31	-	20	19
Minnesota-----	1	-	-	-	-	-	1	2	4	-	14	9
Iowa-----	-	-	-	-	-	-	-	4	7	-	5	6
Missouri-----	-	-	-	-	-	-	-	14	12	-	-	3
North Dakota-----	-	-	-	-	-	-	-	-	1	-	-	-
South Dakota-----	-	1	-	-	-	-	-	1	3	-	-	-
Nebraska-----	-	1	-	-	-	-	-	1	-	-	1	1
Kansas-----	-	-	-	-	-	-	-	6	4	-	-	-
SOUTH ATLANTIC-----	9	9	5	1	5	-	4	47	80	1	15	19
Delaware-----	-	1	-	-	-	-	-	-	1	-	-	-
Maryland-----	-	-	2	-	4	-	-	2	2	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	2	5	-	-	-
Virginia-----	5	-	1	-	-	-	-	6	13	-	6	7
West Virginia-----	-	-	-	-	-	-	-	7	12	-	3	-
North Carolina-----	1	2	-	1	-	-	-	10	8	-	-	3
South Carolina-----	-	-	-	-	-	-	-	3	4	1	2	5
Georgia-----	-	5	2	-	1	-	2	7	14	-	4	2
Florida-----	3	1	-	-	-	-	2	10	21	-	-	2
EAST SOUTH CENTRAL-----	1	7	8	-	-	1	4	30	62	-	19	15
Kentucky-----	-	2	4	-	-	-	1	7	20	-	7	8
Tennessee-----	1	1	3	-	-	1	2	8	25	-	4	1
Alabama-----	-	3	-	-	-	-	1	8	4	-	7	6
Mississippi-----	-	1	1	-	-	-	-	7	13	-	1	-
WEST SOUTH CENTRAL-----	1	1	3	-	-	4	3	72	70	-	2	20
Arkansas-----	-	-	1	-	-	-	-	2	12	-	1	2
Louisiana-----	-	1	-	-	-	2	-	39	13	-	-	5
Oklahoma-----	-	-	1	-	-	-	2	4	9	-	-	2
Texas-----	1	-	1	-	-	2	1	27	36	-	1	11
MOUNTAIN-----	1	4	6	-	-	-	2	14	20	-	1	-
Montana-----	-	-	1	-	-	-	1	2	2	-	-	-
Idaho-----	-	1	-	-	-	-	-	4	1	-	-	-
Wyoming-----	-	-	-	-	-	-	1	-	2	-	-	-
Colorado-----	-	-	1	-	-	-	-	-	4	-	-	-
New Mexico-----	1	-	1	-	-	-	-	7	6	-	-	-
Arizona-----	-	3	2	-	-	-	-	1	5	-	1	-
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	-	1	-	-	-	-	-	-	-	-	-
PACIFIC-----	6	8	2	2	1	1	1	26	23	-	6	7
Washington-----	1	4	-	-	1	-	-	-	-	-	-	-
Oregon-----	-	-	2	-	-	1	-	6	3	-	-	-
California-----	5	4	-	2	-	-	1	20	20	-	6	7
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	1	-	-	-
Puerto Rico-----	---	-	---	---	-	---	-	10	11	---	---	2

¹Data exclude report from Pennsylvania for the current week.

²Data exclude report from Puerto Rico for the current week.

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



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	20th week ended May 17, 1958	19th week ended May 10, 1958	Adjusted average, 20th week 1953-57	Percent change, adjusted average to current week	CUMULATIVE NUMBER FIRST 20 WEEKS		
					1958	1957	Percent change
TOTAL: 114 REPORTING CITIES-----	10,622	10,432	10,351	+2.6	240,841	222,696	+8.1
New England----- (14 cities)	665	704	679	-2.1	15,197	14,694	+3.4
Middle Atlantic----- (20 cities)	3,010	2,989	3,087	-2.5	70,006	64,792	+8.0
East North Central----- (19 cities)	2,286	2,235	2,275	+0.5	51,283	47,808	+7.3
West North Central----- (9 cities)	813	724	732	+11.1	17,069	15,682	+8.8
South Atlantic----- (11 cities)	892	902	852	+4.7	21,264	18,839	+12.9
East South Central----- (8 cities)	525	476	456	+15.1	11,477	9,917	+15.7
West South Central----- (13 cities)	813	795	780	+4.2	20,137	18,348	+9.8
Mountain----- (8 cities)	296	301	240	+23.3	6,207	5,501	+12.8
Pacific----- (12 cities)	1,322	1,306	1,254	+5.4	28,201	27,115	+4.0

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Table 4. DEATHS IN SELECTED CITIES

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

AREA	20th week ended May 17, 1958	19th week ended May 10, 1958	CUMULATIVE NUMBER FIRST 20 WEEKS		AREA	20th week ended May 17, 1958	19th week ended May 10, 1958	CUMULATIVE NUMBER FIRST 20 WEEKS	
			1958	1957				1958	1957
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	194	235	5,217	4,997	St. Louis, Mo.-----	240	217	5,450	4,851
Bridgeport, Conn.-----	38	50	854	761	St. Paul, Minn.-----	91	82	1,632	1,405
Cambridge, Mass.-----	34	29	616	640	Wichita, Kans.-----	36	33	923	913
Fall River, Mass.-----	35	23	604	562	SOUTH ATLANTIC:				
Hartford, Conn.-----	52	57	1,096	1,036	Atlanta, Ga.-----	97	97	2,387	2,274
Lowell, Mass.-----	26	27	575	567	Baltimore, Md.-----	238	227	5,467	4,952
Lynn, Mass.-----	15	22	437	442	Charlotte, N. C.-----	62	36	771	698
New Bedford, Mass.-----	23	26	522	543	Jacksonville, Fla.-----	57	65	1,339	1,118
New Haven, Conn.-----	52	46	1,021	960	Miami, Fla.-----	53	72	1,613	1,010
Providence, R. I.-----	56	57	1,373	1,303	Norfolk, Va.-----	34	38	794	748
Somerville, Mass.-----	15	11	293	292	Richmond, Va.-----	70	60	1,614	1,542
Springfield, Mass.-----	50	45	879	895	Savannah, Ga.-----	28	30	718	592
Waterbury, Conn.-----	32	26	588	511	St. Petersburg, Fla.-----	(46)	(70)	(1,542)	---
Worcester, Mass.-----	43	50	1,122	1,185	Tampa, Fla.-----	70	63	1,561	1,351
MIDDLE ATLANTIC:					EAST SOUTH CENTRAL:				
Albany, N. Y.-----	49	45	1,089	1,031	Birmingham, Ala.-----	78	79	1,945	1,579
Allentown, Pa.-----	30	31	714	781	Chattanooga, Tenn.-----	47	29	1,048	967
Buffalo, N. Y.-----	153	112	3,264	2,986	Knoxville, Tenn.-----	27	20	616	613
Camden, N. J.-----	45	33	943	807	Louisville, Ky.-----	119	105	2,436	2,212
Elizabeth, N. J.-----	27	27	644	583	Memphis, Tenn.-----	109	103	2,492	2,172
Erie, Pa.-----	36	41	737	706	Mobile, Ala.-----	46	35	879	704
Jersey City, N. J.-----	62	67	1,551	1,599	Montgomery, Ala.-----	37	47	774	451
Newark, N. J.-----	79	86	2,053	2,195	Nashville, Tenn.-----	62	67	1,287	1,219
New York City, N. Y.-----	1,514	1,506	35,456	32,682	WEST SOUTH CENTRAL:				
Paterson, N. J.-----	40	40	912	821	Austin, Tex.-----	34	25	697	610
Philadelphia, Pa.-----	468	494	11,009	10,051	Baton Rouge, La.-----	26	24	618	553
Pittsburgh, Pa.-----	191	179	4,186	3,693	Corpus Christi, Tex.-----	12	21	442	417
Reading, Pa.-----	16	20	457	474	Dallas, Tex.-----	103	109	2,433	2,255
Rochester, N. Y.-----	109	94	2,185	1,931	El Paso, Tex.-----	24	32	785	586
Schenectady, N. Y.-----	20	17	492	455	Fort Worth, Tex.-----	56	47	1,300	1,243
Scranton, Pa.-----	32	39	756	780	Houston, Tex.-----	124	131	3,353	3,028
Syracuse, N. Y.-----	62	68	1,286	1,183	Little Rock, Ark.-----	62	17	1,138	1,064
Trenton, N. J.-----	38	39	1,057	924	New Orleans, La.-----	134	156	3,827	3,439
Utica, N. Y.-----	12	25	563	680	Oklahoma City, Okla.-----	69	54	1,451	1,234
Yonkers, N. Y.-----	27	26	652	650	San Antonio, Tex.-----	97	81	2,041	1,924
EAST NORTH CENTRAL:					WEST SOUTH CENTRAL:				
Akron, Ohio-----	47	54	1,234	1,092	Shreveport, La.-----	29	42	1,009	992
Canton, Ohio-----	29	33	626	642	Tulsa, Okla.-----	43	56	1,043	1,003
Chicago, Ill.-----	770	674	16,430	15,367	MOUNTAIN:				
Cincinnati, Ohio-----	160	157	3,523	3,164	Albuquerque, N. Mex.-----	22	41	579	521
Cleveland, Ohio-----	183	204	4,511	4,281	Colorado Springs, Colo.-----	22	11	296	281
Columbus, Ohio-----	84	107	2,454	2,309	Denver, Colo.-----	107	107	2,396	2,297
Dayton, Ohio-----	63	58	1,575	1,518	Ogden, Utah-----	16	14	296	243
Detroit, Mich.-----	307	317	6,821	6,559	Phoenix, Ariz.-----	40	40	971	595
Evansville, Ind.-----	44	37	849	651	Pueblo, Colo.-----	11	18	265	257
Flint, Mich.-----	42	32	792	770	Salt Lake City, Utah-----	63	54	967	887
Fort Wayne, Ind.-----	34	41	772	723	Tucson, Ariz.-----	15	16	437	420
Gary, Ind.-----	32	30	693	614	PACIFIC:				
Grand Rapids, Mich.-----	43	43	912	837	Berkeley, Calif.-----	25	18	427	401
Indianapolis, Ind.-----	137	118	2,660	2,462	Fresno, Calif.-----	(24)	(28)	(734)	---
Madison, Wis.-----	(37)	(23)	(654)	(637)	Glendale, Calif.-----	(31)	(32)	(701)	---
Milwaukee, Wis.-----	118	103	2,878	2,654	Long Beach, Calif.-----	64	55	1,134	1,120
Peoria, Ill.-----	33	34	708	593	Los Angeles, Calif.-----	479	459	10,405	9,808
Rockford, Ill.-----	---	(26)	---	(515)	Oakland, Calif.-----	92	87	1,980	1,986
South Bend, Ind.-----	34	27	584	499	Pasadena, Calif.-----	23	33	729	736
Toledo, Ohio-----	81	96	2,137	1,904	Portland, Ore.-----	76	119	2,077	1,934
Youngstown, Ohio-----	45	70	1,124	1,169	Sacramento, Calif.-----	52	63	1,076	1,050
WEST NORTH CENTRAL:					PACIFIC:				
Des Moines, Iowa-----	59	53	1,168	1,058	San Diego, Calif.-----	115	77	1,782	1,659
Duluth, Minn.-----	32	13	496	519	San Francisco, Calif.-----	189	187	4,089	3,936
Kansas City, Kans.-----	25	29	592	620	San Jose, Calif.-----	(27)	(19)	(475)	---
Kansas City, Mo.-----	128	125	2,658	2,367	Seattle, Wash.-----	114	136	2,757	2,724
Lincoln, Nebr.-----	(19)	(34)	(530)	---	Spokane, Wash.-----	58	40	957	953
Minneapolis, Minn.-----	131	100	2,680	2,525	Tacoma, Wash.-----	35	32	788	808
Omaha, Nebr.-----	71	72	1,470	1,424	Honolulu, Hawaii-----	(40)	(33)	(774)	(794)

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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