

# 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 June 28, 1958

California reported 1 case of botulism this week. The source was said to be home canned mushrooms. Diagnosis was confirmed by laboratory examination, but the type of toxin had not yet been determined.

The 1957-58 diphtheria disease year came to an end this week. A review of the year, as covered in this report from the week ended June 29, 1957, to the week ended June 28, 1958, shows a total of 1,122 cases as compared with 1,219 cases during the comparable period in 1956-57, an 8.0 percent reduction. For the median disease year of the 5-year period 1952-53 to 1956-57, 2,156 cases were reported. The South Atlantic Division reported the highest incidence, 353 cases, 31.5 percent of the total. The West South Central Division was next with 17.1 percent, and then the East North Central with 14.1 percent of the total. New England reported the fewest cases, 13. As a contiguous group, the South Atlantic, East South Central, and the

West South Central divisions reported 668 cases, or 59.5 percent of the total. The four divisions west of the Mississippi River reported the same number or more cases than for the previous disease year. All the other divisions had a lower incidence. Of the States, Georgia and Michigan reported the largest numbers of cases, 118 and 117 cases respectively. In Michigan there was an outbreak of more than 100 cases in a 3-week period in December. Washington reported a midsummer outbreak of 19 cases during July of 1957. During the disease year, only 10 States reported more than 30 cases, and Delaware, the District of Columbia, Maine, Nevada, New Hampshire, Rhode Island, and Vermont had no cases to report. The week ending December 21, 1957, included the highest number of cases, 60; the high week of the previous season was 67 cases in the week ending December 1, 1956. The last quarter of 1957

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	26th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended June 28, 1958	Ended June 29, 1957	Median 1953-57	First 26 weeks			Since seasonal low week			
				1958	1957	Median 1953-57	1957-58	1956-57	Median 1952-53 to 1956-57	
Anthrax-----062	-	1	-	4	11	17	(1)	(1)	(1)	(1)
Botulism-----049.1	21	-	-	3	-	5	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	16	17	31	384	502	630	(1)	(1)	(1)	(1)
Diphtheria-----055	7	15	22	350	464	826	1,122	31,219	2,156	July 1
Encephalitis, infectious-----082	38	37	35	777	696	696	168	136	136	June 1
Hepatitis, infectious, and serum-----1092, N998.5 pt.	223	265	494	8,398	8,989	17,317	12,203	14,188	23,390	Sept. 1
Malaria-----110-117	1	3	14	30	49	154	(1)	(1)	(1)	(1)
Measles-----085	15,307	9,762	10,874	663,402	420,856	492,246	696,305	458,065	539,121	Sept. 1
Meningococcal infections-----057	38	37	39	1,423	1,376	2,175	2,380	2,107	3,197	Sept. 1
Meningitis, other-----340	31	54	---	1,234	896	---	---	---	---	---
Poliomyelitis-----080	70	137	277	626	1,398	3,525	407	872	2,374	Apr. 1
Paralytic-----080.0, 080.1	37	42	---	314	624	---	193	350	---	Apr. 1
Nonparalytic-----080.2	25	76	---	211	581	---	144	418	---	Apr. 1
Unspecified-----080.3	8	19	---	101	193	---	70	104	---	Apr. 1
Psittacosis-----096.2	2	5	5	70	147	160	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	2	3	3	(1)	(1)	(1)	(1)
Typhoid fever-----040	18	27	34	402	538	844	225	281	451	Apr. 1
Typhus fever, endemic-----101	5	2	3	33	57	57	21	32	39	Apr. 1
Rabies in animals-----	79	76	94	2,500	2,548	3,060	3,315	3,512	4,425	Oct. 1

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

<sup>2</sup>Reported in California.

<sup>3</sup>Revised.

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

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ATLANTA 33, GEORGIA

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included 46.3 percent of the cases reported during the disease year.

### EPIDEMIOLOGICAL REPORTS

#### Rabies in animals

Dr. Ernest J. Witte, Pennsylvania Department of Health, has reported an attack by a bat on a man. About 8 p. m. a 67-year-old man was lying in bed when a bat flew in through an open window. The bat attacked and bit the man on the forearm as he attempted to drive the animal out of the room. The bat also threatened to attack the man's wife. The man killed the bat, which was sent to a laboratory for examination. Touch preparations were negative, but mouse inoculation tests were positive with Negri bodies readily demonstrated. The first mouse developed rabies 13 days after injection. Pasteur treatment was administered to the man. The species of bat is not known because the carcass was inadvertently discarded, but it is believed to have been a variety of brown bat.

#### Psittacosis

Dr. Mason Romaine, Virginia Department of Health, has reported a case of psittacosis in a 27-year-old man who gave a history of a severe cough, slight sore throat and pain on swallowing, chills and sweats, and elevated temperature. Complement fixation tests for psittacosis were positive in titers of 1:32 and 1:16 over a 4-week period. This person had had a parakeet in his home for about a year. It had been sick for about

2 weeks and had died about the time the man sought medical care. The carcass was not examined for psittacosis. There had not been any other respiratory illness in the patient's family. Recovery was fairly prompt and uneventful.

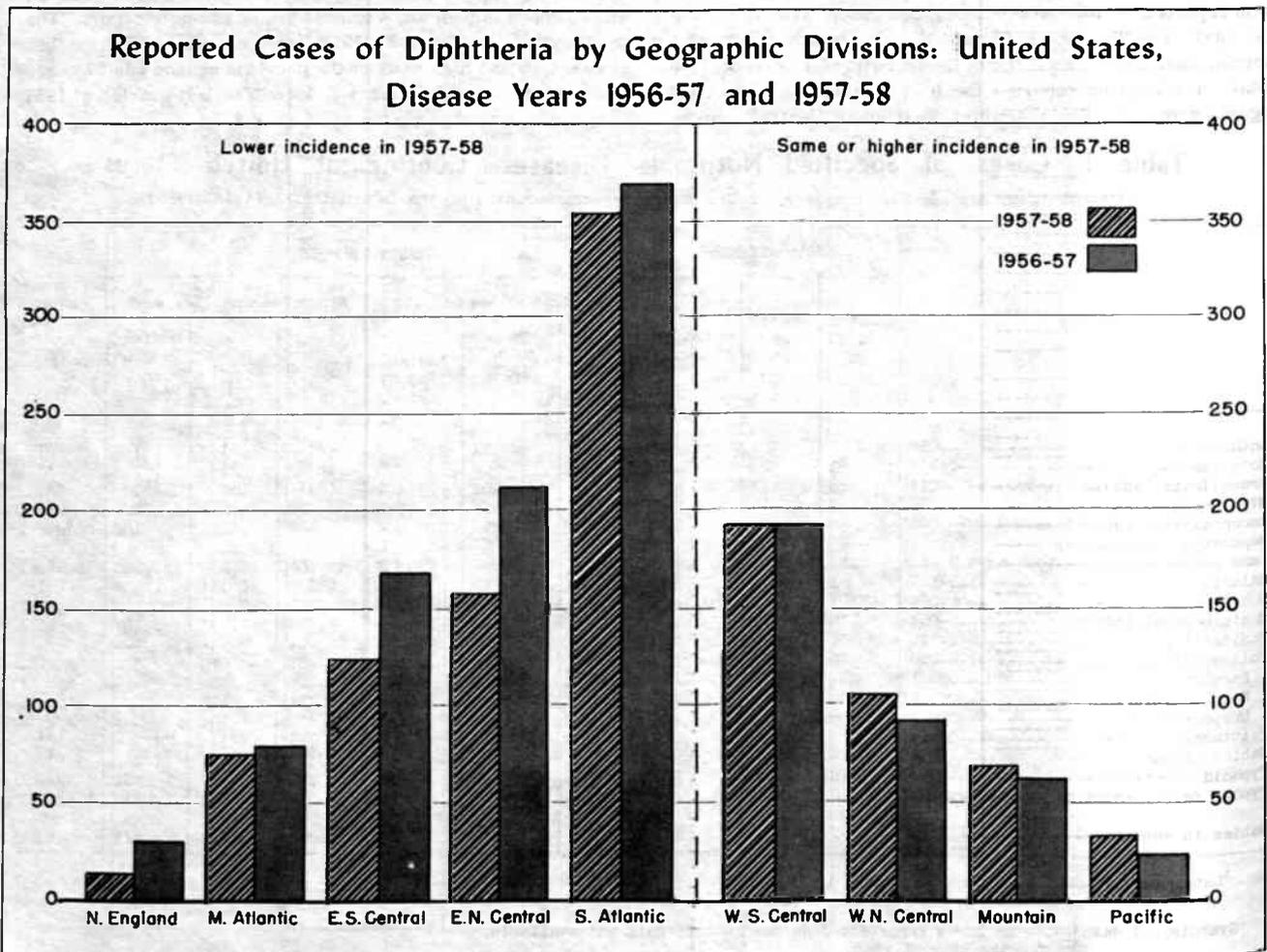
#### Acute respiratory disease

Dr. Stanley H. Osborn, Connecticut Commissioner of Health, has supplied additional information on an outbreak of upper respiratory disease in a farm labor supply center previously reported. Throat swabs and acute and convalescent blood specimens were collected from 6 of the men involved. No virus was isolated from the throat swab of 3 men, and no rise in titer against Asian, Denver, or Great Lakes strains of type A influenza was found in the paired blood specimens. From the other 3 men, influenza virus antigenically related to the Asian strain was isolated from the throat swabs, and paired blood specimens showed 4-fold, 8-fold, and 16-fold rises in titer against Asian influenza with no rise in titer against Denver and Great Lakes strains.

#### Anthrax

Additional information has been received from the U. S. Department of Agriculture regarding the occurrence of anthrax in northeastern Louisiana. Over 700 cases in cattle have been reported in 10 parishes. In 1 parish 500 cases have occurred and 165 in another. Cases are also occurring in swine and horses. The epizootic appears to be subsiding. One case of cutaneous anthrax was reported in a man employed by a ren-

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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 JUNE 29, 1957, AND JUNE 28, 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		26th week		Cumulative first 26 weeks		082		26th week		Cumulative first 26 weeks	
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES-----	16	17	7	15	350	464	38	37	223	265	8,398	8,989
NEW ENGLAND-----	1	1	-	1	5	19	2	-	4	18	287	487
Maine-----	1	-	-	-	-	3	-	-	-	13	46	151
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	1	8
Vermont-----	-	-	-	-	-	-	-	-	-	1	10	85
Massachusetts-----	-	1	-	1	4	16	-	-	2	1	129	133
Rhode Island-----	-	-	-	-	-	-	2	-	-	1	40	39
Connecticut-----	-	-	-	-	1	-	-	-	2	2	61	71
MIDDLE ATLANTIC-----	-	-	-	2	32	50	11	3	43	43	1,013	1,343
New York-----	-	-	-	2	15	25	7	3	28	36	672	789
New Jersey-----	-	-	-	-	2	9	2	-	5	5	85	190
Pennsylvania-----	-	-	-	-	15	16	2	-	10	2	256	364
EAST NORTH CENTRAL-----	1	4	-	-	28	34	5	4	38	25	1,459	1,650
Ohio-----	-	-	-	-	6	7	-	-	12	5	446	410
Indiana-----	-	-	-	-	12	9	-	1	2	4	134	236
Illinois-----	-	4	-	-	4	3	1	-	8	6	376	358
Michigan-----	1	-	-	-	5	14	2	3	14	9	425	472
Wisconsin-----	-	-	-	-	1	1	2	-	2	1	78	174
WEST NORTH CENTRAL-----	4	5	4	1	49	37	-	2	13	14	725	555
Minnesota-----	1	3	4	1	13	21	-	-	4	6	85	200
Iowa-----	1	-	-	-	11	4	-	-	-	2	138	132
Missouri-----	1	1	-	-	12	1	-	-	7	2	142	98
North Dakota-----	-	1	-	-	3	1	-	-	1	1	111	71
South Dakota-----	-	-	-	-	3	5	-	1	-	-	8	25
Nebraska-----	-	-	-	-	7	2	-	-	1	-	45	12
Kansas-----	1	-	-	-	-	3	-	1	-	3	196	17
SOUTH ATLANTIC-----	5	5	2	9	91	136	7	3	15	28	584	668
Delaware-----	-	-	-	-	-	-	-	-	2	-	33	5
Maryland-----	1	-	-	-	3	1	-	-	6	1	62	74
District of Columbia-----	-	-	-	-	-	-	2	-	-	-	9	8
Virginia-----	2	-	-	-	14	6	1	1	4	13	139	268
West Virginia-----	-	-	-	1	8	3	-	-	-	1	91	51
North Carolina-----	1	-	-	-	13	18	3	1	-	5	28	53
South Carolina-----	-	-	2	1	10	23	-	1	1	3	35	19
Georgia-----	1	2	-	3	24	28	-	-	-	1	63	73
Florida-----	-	3	-	4	19	57	1	-	2	4	124	117
EAST SOUTH CENTRAL-----	3	-	1	1	27	67	1	1	19	31	718	1,252
Kentucky-----	-	-	-	-	2	12	1	-	7	20	342	555
Tennessee-----	-	-	-	-	5	7	-	-	2	3	197	464
Alabama-----	-	-	-	-	14	28	-	-	8	6	139	148
Mississippi-----	3	-	1	1	6	20	-	1	2	2	40	85
WEST SOUTH CENTRAL-----	1	1	-	1	78	100	4	3	10	19	641	648
Arkansas-----	-	-	-	-	13	8	-	-	2	1	71	52
Louisiana-----	-	-	-	-	7	8	-	-	-	-	6	35
Oklahoma-----	1	-	-	-	20	15	-	1	1	1	100	83
Texas-----	-	1	-	1	38	69	4	2	7	17	464	478
MOUNTAIN-----	-	-	-	-	35	15	1	1	22	17	1,419	799
Montana-----	-	-	-	-	15	3	-	-	2	2	215	110
Idaho-----	-	-	-	-	2	1	-	-	4	-	89	50
Wyoming-----	-	-	-	-	2	1	-	-	-	5	4	35
Colorado-----	-	-	-	-	5	2	-	1	5	3	120	114
Nev Mexico-----	-	-	-	-	9	7	-	-	2	7	227	288
Arizona-----	-	-	-	-	2	1	-	-	8	-	557	149
Utah-----	-	-	-	-	-	-	-	-	1	-	112	31
Nevada-----	-	-	-	-	-	-	1	-	-	-	95	22
PACIFIC-----	1	1	-	-	5	6	7	20	59	70	1,552	1,607
Washington-----	-	-	-	-	-	-	-	-	5	5	291	220
Oregon-----	-	-	-	-	1	2	-	-	11	5	191	308
California-----	1	1	-	-	4	4	7	20	43	60	1,070	1,079
Alaska-----	-	-	-	-	1	-	-	-	-	-	172	50
Hawaii-----	-	-	-	-	-	-	-	-	1	-	28	24
Puerto Rico-----	-	-	-	-	27	30	-	-	-	6	178	97

<sup>1</sup>Data exclude report 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 JUNE 29, 1957, AND JUNE 28, 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		110-117		085	
	26th week		Cumulative first 26 weeks		080.0,080.1		080.2					
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES-----	70	137	626	1,398	37	42	25	76	1	3	15,307	9,762
NEW ENGLAND-----	2	2	10	13	2	-	-	2	-	-	1,795	940
Maine-----	-	-	2	1	-	-	-	-	-	-	175	148
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	14	4
Vermont-----	-	-	-	2	-	-	-	-	-	-	26	62
Massachusetts-----	2	-	3	3	2	-	-	-	-	-	975	474
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	88	4
Connecticut-----	-	2	5	7	-	-	-	2	-	-	517	248
MIDDLE ATLANTIC-----	5	10	29	48	3	3	1	3	-	-	3,703	2,127
New York-----	2	6	21	31	1	3	1	3	-	-	1,944	1,295
New Jersey-----	3	3	8	6	2	-	-	-	-	-	957	579
Pennsylvania-----	-	1	-	11	-	-	-	-	-	-	802	253
EAST NORTH CENTRAL-----	5	8	46	113	2	3	3	3	-	-	4,153	2,216
Ohio-----	-	-	6	23	-	-	-	-	-	-	585	178
Indiana-----	-	2	3	23	-	2	-	-	-	-	286	98
Illinois-----	1	2	12	17	1	-	-	1	-	-	493	218
Michigan-----	4	3	21	37	1	1	3	2	-	-	1,059	412
Wisconsin-----	-	1	4	13	-	-	-	-	-	-	1,730	1,310
WEST NORTH CENTRAL-----	3	4	28	101	-	-	2	4	-	-	374	567
Minnesota-----	-	-	1	4	-	-	-	-	-	-	20	38
Iowa-----	2	2	9	11	-	-	2	2	-	-	163	394
Missouri-----	-	1	3	30	-	-	-	1	-	-	62	26
North Dakota-----	-	-	2	1	-	-	-	-	-	-	89	93
South Dakota-----	1	1	4	5	-	-	-	1	-	-	1	9
Nebraska-----	-	-	7	32	-	-	-	-	-	-	39	7
Kansas-----	-	-	2	18	-	-	-	-	-	-	(*)	-
SOUTH ATLANTIC-----	11	17	146	192	6	7	4	7	-	1	1,428	749
Delaware-----	-	-	2	1	-	-	-	-	-	-	7	12
Maryland-----	-	-	-	4	-	-	-	-	-	-	89	50
District of Columbia-----	-	-	1	-	-	-	-	-	-	-	18	24
Virginia-----	2	-	11	20	2	-	-	-	-	-	530	255
West Virginia-----	1	1	11	7	-	1	1	-	-	-	161	46
North Carolina-----	1	1	31	27	-	-	1	1	-	1	28	63
South Carolina-----	-	7	5	52	-	2	-	3	-	-	451	148
Georgia-----	4	3	16	27	4	2	-	1	-	-	59	71
Florida-----	3	5	69	54	-	2	2	2	-	-	85	80
EAST SOUTH CENTRAL-----	7	17	59	109	2	3	3	10	-	-	871	463
Kentucky-----	3	-	23	10	2	-	1	-	-	-	279	119
Tennessee-----	1	11	12	37	-	3	1	7	-	-	373	199
Alabama-----	1	3	7	19	-	-	-	-	-	-	198	133
Mississippi-----	2	3	17	43	-	-	1	3	-	-	21	12
WEST SOUTH CENTRAL-----	23	61	155	449	12	25	10	31	-	1	928	575
Arkansas-----	-	4	7	27	-	1	-	3	-	-	1	28
Louisiana-----	2	12	15	72	2	5	-	7	-	-	6	-
Oklahoma-----	1	6	13	25	-	-	-	1	-	1	85	61
Texas-----	20	39	120	325	10	19	10	20	-	-	836	486
MOUNTAIN-----	4	4	43	90	2	-	-	3	-	-	869	498
Montana-----	1	-	5	3	-	-	-	-	-	-	119	79
Idaho-----	-	-	-	3	-	-	-	-	-	-	115	42
Wyoming-----	-	2	2	6	-	-	-	1	-	-	11	9
Colorado-----	-	-	8	15	-	-	-	-	-	-	261	64
New Mexico-----	2	-	13	15	2	-	-	-	-	-	59	87
Arizona-----	1	1	10	25	-	-	-	1	-	-	183	137
Utah-----	-	1	3	21	-	-	-	1	-	-	90	75
Nevada-----	-	-	2	2	-	-	-	-	-	-	31	5
PACIFIC-----	10	14	110	283	8	1	2	13	1	1	1,186	1,627
Washington-----	1	-	8	2	1	-	-	-	-	-	114	185
Oregon-----	1	-	11	21	1	-	-	-	-	-	151	488
California-----	8	14	91	260	6	1	2	13	1	1	921	954
Alaska-----	-	-	1	2	-	-	-	-	-	-	-	31
Hawaii-----	-	-	23	2	-	-	-	-	-	-	35	18
Puerto Rico-----	-	-	140	5	-	-	-	-	-	-	-	28

<sup>1</sup>Data exclude report for the current week.<sup>2</sup>Includes cases not specified by type, category number 080.3.

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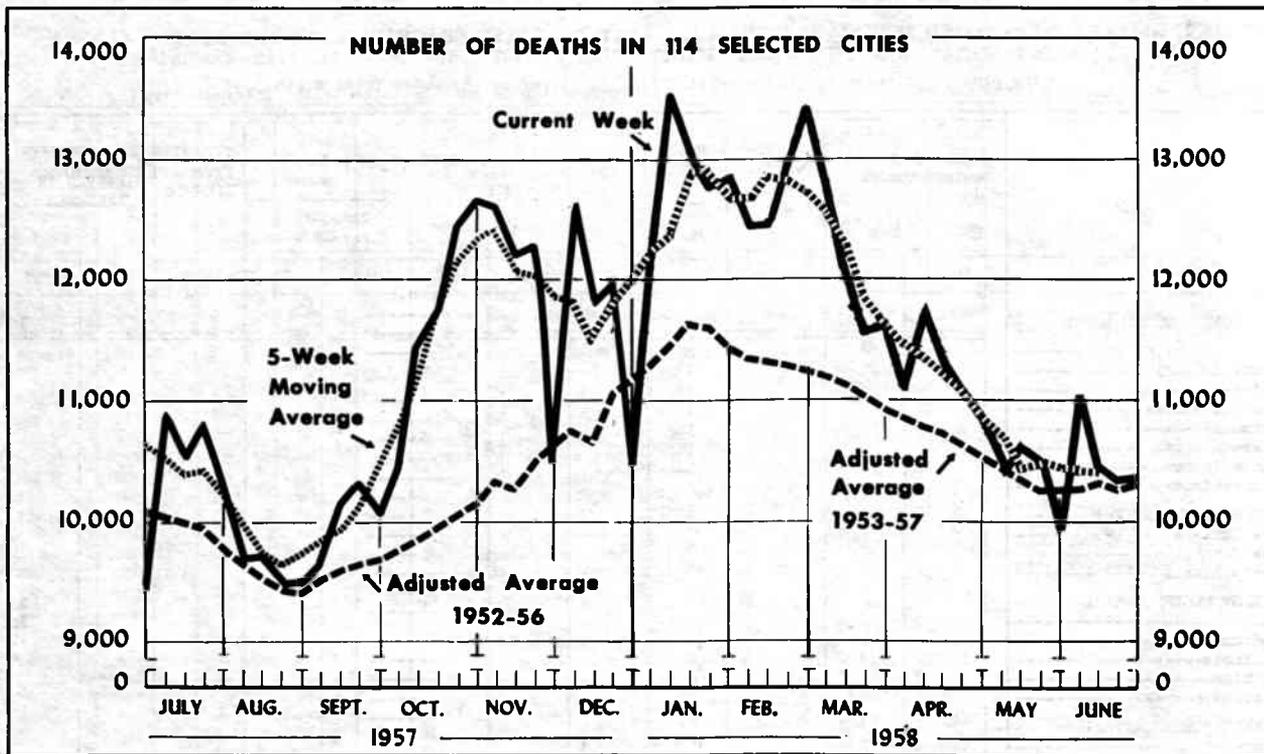
**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JUNE 29, 1957, AND JUNE 28, 1958—Continued**

(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	
						26th week		Cumulative first 26 weeks				
	057	1957	340	1958	1957	1958	1957	1958	1957	101	1958	1957
CONT. UNITED STATES-----	38	37	31	2	5	18	27	402	538	5	79	76
<b>NEW ENGLAND-----</b>	3	2	2	-	-	1	1	8	14	-	-	-
Maine-----	-	-	-	-	-	-	1	1	2	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	1	1	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	2	2	-	-	-	1	-	4	5	-	-	-
Rhode Island-----	1	-	2	-	-	-	-	-	4	-	-	-
Connecticut-----	-	-	-	-	-	-	-	2	2	-	-	-
<b>MIDDLE ATLANTIC-----</b>	5	6	-	-	-	-	2	50	61	-	8	7
New York-----	-	4	-	-	-	-	1	13	21	-	7	7
New Jersey-----	3	1	-	-	-	-	1	10	16	-	-	-
Pennsylvania-----	2	1	-	-	-	-	-	27	24	-	1	-
<b>EAST NORTH CENTRAL-----</b>	7	9	11	1	2	3	1	29	61	-	12	21
Ohio-----	3	2	-	-	-	2	-	11	29	-	-	19
Indiana-----	-	-	4	1	-	-	1	7	12	-	3	2
Illinois-----	1	3	6	1	-	1	-	3	7	-	1	-
Michigan-----	2	4	1	-	-	-	-	4	7	-	-	-
Wisconsin-----	1	-	-	1	-	-	-	4	6	-	8	-
<b>WEST NORTH CENTRAL-----</b>	4	1	-	1	1	1	1	36	38	-	26	17
Minnesota-----	1	-	-	1	1	-	-	2	4	-	9	7
Iowa-----	-	-	-	-	-	-	-	5	8	-	6	1
Missouri-----	3	-	-	-	-	1	1	17	18	-	7	5
North Dakota-----	-	-	-	-	-	-	-	1	1	-	3	2
South Dakota-----	-	1	-	-	-	-	-	4	3	-	-	-
Nebraska-----	-	-	-	-	-	-	-	1	-	-	1	2
Kansas-----	-	-	-	-	-	-	-	6	4	-	-	-
<b>SOUTH ATLANTIC-----</b>	5	8	7	-	-	5	8	74	107	1	16	10
Delaware-----	-	-	-	-	-	-	-	-	1	-	-	-
Maryland-----	2	1	2	-	-	-	-	4	2	-	-	-
District of Columbia-----	-	1	-	-	-	1	-	5	6	-	-	-
Virginia-----	1	1	-	-	-	3	2	13	20	-	3	5
West Virginia-----	-	-	-	-	-	-	-	9	16	-	5	-
North Carolina-----	1	3	-	-	-	-	-	11	11	-	-	-
South Carolina-----	-	-	1	-	-	-	-	6	5	-	1	4
Georgia-----	-	1	-	-	-	-	1	14	17	1	3	1
Florida-----	1	1	3	-	-	1	5	12	29	-	4	-
<b>EAST SOUTH CENTRAL-----</b>	8	4	5	-	-	1	4	45	90	-	5	8
Kentucky-----	3	-	-	-	-	-	1	11	24	-	1	5
Tennessee-----	1	-	3	-	-	-	-	11	40	-	-	1
Alabama-----	2	4	-	-	-	-	1	9	8	-	4	1
Mississippi-----	2	-	2	-	-	1	2	14	18	-	-	1
<b>WEST SOUTH CENTRAL-----</b>	4	2	5	-	-	5	8	105	108	4	10	9
Arkansas-----	2	-	-	-	-	3	3	7	21	-	1	1
Louisiana-----	2	2	-	-	-	-	1	54	15	-	1	4
Oklahoma-----	-	-	-	-	-	-	1	6	14	-	-	1
Texas-----	-	-	5	-	-	2	3	38	58	4	8	3
<b>MOUNTAIN-----</b>	-	2	1	-	-	1	1	19	25	-	-	-
Montana-----	-	1	-	-	-	-	-	2	2	-	-	-
Idaho-----	-	-	-	-	-	-	-	5	1	-	-	-
Wyoming-----	-	-	-	-	-	1	-	1	2	-	-	-
Colorado-----	-	1	1	-	-	-	-	-	7	-	-	-
New Mexico-----	-	-	-	-	-	-	1	9	8	-	-	-
Arizona-----	-	-	-	-	-	-	-	2	5	-	-	-
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
<b>PACIFIC-----</b>	2	3	-	-	2	1	1	36	34	-	2	4
Washington-----	-	1	-	-	-	-	-	-	1	-	-	-
Oregon-----	-	-	-	1	-	-	-	7	3	-	-	-
California-----	2	2	-	-	1	1	1	29	30	-	2	4
Alaska-----	---	-	---	---	-	---	-	1	1	---	---	-
Hawaii-----	-	-	-	-	-	-	1	-	3	-	-	-
Puerto Rico-----	---	-	---	---	-	---	-	12	12	---	---	-

<sup>1</sup>Data exclude report 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	26th week ended June 28, 1958	25th week ended June 21, 1958	Adjusted average, 26th week 1953-57	Percent change, adjusted average to current week	CUMULATIVE NUMBER FIRST 26 WEEKS		
					1958	1957	Percent change
TOTAL: 114 REPORTING CITIES-----	10,390	10,373	10,329	+0.6	303,651	286,829	+5.9
New England----- (14 cities)	656	662	663	-1.1	19,147	18,766	+2.0
Middle Atlantic----- (20 cities)	2,978	2,938	3,027	-1.6	87,920	83,578	+5.2
East North Central----- (19 cities)	2,250	2,207	2,262	-0.5	164,923	61,654	+5.3
West North Central----- (9 cities)	663	741	760	-12.8	21,475	20,132	+6.7
South Atlantic----- (11 cities)	838	936	845	-1.8	26,594	24,131	+10.2
East South Central----- (8 cities)	500	489	456	+9.6	14,323	12,709	+12.7
West South Central----- (13 cities)	877	894	822	+6.7	25,561	23,778	+7.5
Mountain----- (8 cities)	284	290	235	+20.9	7,910	7,071	+11.9
Pacific----- (12 cities)	1,344	1,216	1,220	+10.2	35,798	35,010	+2.3

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

# Morbidity and Mortality Weekly Report

**Table 4. DEATHS IN SELECTED CITIES**

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

AREA	26th week ended June 28, 1958	25th week ended June 21, 1958	CUMULATIVE NUMBER FIRST 26 WEEKS		AREA	26th week ended June 28, 1958	25th week ended June 21, 1958	CUMULATIVE NUMBER FIRST 26 WEEKS	
			1958	1957				1958	1957
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	222	239	6,610	6,350	St. Louis, Mo.-----	199	203	6,746	6,196
Bridgeport, Conn.-----	23	45	1,039	980	St. Paul, Minn.-----	79	67	2,030	1,774
Cambridge, Mass.-----	32	30	777	824	Wichita, Kans.-----	38	59	1,203	1,184
Fall River, Mass.-----	16	21	741	729	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	50	50	1,380	1,331	Atlanta, Ga.-----	113	116	3,023	2,884
Lowell, Mass.-----	44	23	734	729	Baltimore, Md.-----	204	237	6,794	6,379
Lynn, Mass.-----	27	20	572	557	Charlotte, N. C.-----	43	32	974	852
New Bedford, Mass.-----	22	23	652	696	Jacksonville, Fla.-----	42	53	1,620	1,418
New Haven, Conn.-----	41	29	1,255	1,234	Miami, Fla.-----	49	71	1,998	1,298
Providence, R. I.-----	58	54	1,714	1,661	Norfolk, Va.-----	27	36	984	974
Somerville, Mass.-----	23	16	383	370	Richmond, Va.-----	65	63	2,035	1,983
Springfield, Mass.-----	32	38	1,122	1,155	Savannah, Ga.-----	41	37	907	773
Waterbury, Conn.-----	13	24	718	670	St. Petersburg, Fla.-----	(54)	(58)	(1,868)	---
Worcester, Mass.-----	53	50	1,450	1,480	Tampa, Fla.-----	62	61	1,925	1,682
<b>MIDDLE ATLANTIC:</b>					<b>EAST SOUTH CENTRAL:</b>				
Albany, N. Y.-----	44	30	1,350	1,336	Birmingham, Ala.-----	75	74	2,418	2,043
Allentown, Pa.-----	38	26	895	1,009	Chattanooga, Tenn.-----	52	46	1,334	1,232
Buffalo, N. Y.-----	119	138	4,119	3,852	Knoxville, Tenn.-----	26	28	766	757
Camden, N. J.-----	37	48	1,178	1,065	Louisville, Ky.-----	116	106	3,036	2,786
Elizabeth, N. J.-----	25	38	814	765	Memphis, Tenn.-----	120	105	3,152	2,782
Erie, Pa.-----	36	40	952	942	Mobile, Ala.-----	28	32	1,081	948
Jersey City, N. J.-----	80	62	1,968	1,823	Montgomery, Ala.-----	28	32	934	582
Newark, N. J.-----	72	96	2,625	2,822	Nashville, Tenn.-----	55	66	1,602	1,579
New York City, N. Y.-----	1,487	1,480	44,542	42,178	<b>WEST SOUTH CENTRAL:</b>				
Paterson, N. J.-----	51	31	1,159	1,073	Austin, Tex.-----	132	24	2,868	791
Philadelphia, Pa.-----	495	497	13,725	12,780	Baton Rouge, La.-----	25	24	775	680
Pittsburgh, Pa.-----	157	158	5,215	4,776	Corpus Christi, Tex.-----	20	26	565	547
Reading, Pa.-----	16	16	558	628	Dallas, Tex.-----	93	102	3,108	2,882
Rochester, N. Y.-----	93	80	2,731	2,529	El Paso, Tex.-----	30	33	990	773
Schenectady, N. Y.-----	23	30	615	595	Fort Worth, Tex.-----	48	56	1,620	1,615
Scranton, Pa.-----	36	36	949	1,012	Houston, Tex.-----	161	153	4,266	3,920
Syracuse, N. Y.-----	51	51	1,647	1,535	Little Rock, Ark.-----	53	49	1,470	1,425
Trenton, N. J.-----	50	32	1,319	1,185	New Orleans, La.-----	168	175	4,845	4,486
Utica, N. Y.-----	33	20	718	864	Oklahoma City, Okla.-----	52	64	1,827	1,640
Yonkers, N. Y.-----	35	29	841	809	San Antonio, Tex.-----	89	99	2,593	2,472
<b>EAST NORTH CENTRAL:</b>					<b>WEST SOUTH CENTRAL:</b>				
Akron, Ohio-----	62	50	1,559	1,396	Austin, Tex.-----	132	24	2,868	791
Canton, Ohio-----	41	32	839	823	Baton Rouge, La.-----	25	24	775	680
Chicago, Ill.-----	722	654	20,669	19,854	Corpus Christi, Tex.-----	20	26	565	547
Cincinnati, Ohio-----	129	168	4,421	4,011	Dallas, Tex.-----	93	102	3,108	2,882
Cleveland, Ohio-----	188	215	5,687	5,480	El Paso, Tex.-----	30	33	990	773
Columbus, Ohio-----	96	99	3,024	2,995	Fort Worth, Tex.-----	48	56	1,620	1,615
Dayton, Ohio-----	160	74	21,989	1,904	Houston, Tex.-----	161	153	4,266	3,920
Detroit, Mich.-----	314	310	8,940	8,592	Little Rock, Ark.-----	53	49	1,470	1,425
Evansville, Ind.-----	33	40	1,085	827	New Orleans, La.-----	168	175	4,845	4,486
Flint, Mich.-----	140	41	21,026	976	Oklahoma City, Okla.-----	52	64	1,827	1,640
Fort Wayne, Ind.-----	25	30	951	943	San Antonio, Tex.-----	89	99	2,593	2,472
Gary, Ind.-----	33	45	889	777	Shreveport, La.-----	51	49	1,305	1,255
Grand Rapids, Mich.-----	56	34	1,139	1,078	Tulsa, Okla.-----	55	40	1,329	1,292
Indianapolis, Ind.-----	118	113	3,342	3,116	<b>MOUNTAIN:</b>				
Madison, Wis.-----	(28)	(38)	(844)	(840)	Albuquerque, N. Mex.-----	33	31	759	671
Milwaukee, Wis.-----	145	111	3,651	3,457	Colorado Springs, Colo.-----	22	17	386	356
Peoria, Ill.-----	28	28	870	787	Denver, Colo.-----	105	107	3,050	2,933
Rockford, Ill.-----	(28)	(24)	(713)	(666)	Ogden, Utah-----	9	17	385	310
South Bend, Ind.-----	20	22	728	656	Phoenix, Ariz.-----	32	49	1,203	765
Toledo, Ohio-----	86	93	2,684	2,502	Pueblo, Colo.-----	11	9	331	333
Youngstown, Ohio-----	54	48	1,430	1,480	Salt Lake City, Utah-----	54	45	1,246	1,147
<b>WEST NORTH CENTRAL:</b>					<b>PACIFIC:</b>				
Des Moines, Iowa-----	52	57	1,493	1,373	Berkeley, Calif.-----	13	16	534	518
Duluth, Minn.-----	29	35	668	681	Fresno, Calif.-----	(41)	(35)	(982)	---
Kansas City, Kans.-----	14	21	718	785	Glendale, Calif.-----	(31)	(31)	(907)	---
Kansas City, Mo.-----	87	96	3,336	3,101	Long Beach, Calif.-----	60	48	1,486	1,441
Lincoln, Nebr.-----	(21)	(14)	---	---	Los Angeles, Calif.-----	535	403	13,179	12,682
Minneapolis, Minn.-----	109	132	3,407	3,250	Oakland, Calif.-----	72	98	2,438	2,560
Omaha, Nebr.-----	56	71	1,874	1,788	Pasadena, Calif.-----	35	30	927	937
					<b>WEST NORTH CENTRAL:</b>				
					Portland, Oreg.-----				
					Sacramento, Calif.-----				
					San Diego, Calif.-----				
					San Francisco, Calif.-----				
					San Jose, Calif.-----				
					Seattle, Wash.-----				
					Spokane, Wash.-----				
					Tacoma, Wash.-----				
					Honolulu, Hawaii-----				

<sup>1</sup>Estimated.

<sup>2</sup>Includes estimate for current week.

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

## EPIDEMIOLOGICAL REPORTS—Continued

dering plant. An outbreak in an endemic area in southeastern Arkansas also has been reported; it involved a total of 9 herds in one county and 5 herds in another. Vaccination, largely with a noncapsulated anthrax spore vaccine, is being carried out extensively in both States, and infected herds are under State quarantine.

Staphylococcal infections

Dr. Osborn, Connecticut Commissioner of Health, has reported an intermittent occurrence of staphylococcal infection among patients in a chronic and convalescent hospital. It is estimated that during the past 1½ to 2 years at least 20 patients and two-thirds of the 17 staff members have had skin lesions which were quite resistant to treatment. These lesions have occurred intermittently since the hospitalization of an 83-year-old man in July 1956. This man had some form of pyoderma when admitted. Cultures were taken from lesions on 2 patients, and hemolytic *Staphylococcus aureus*, coagulase-positive, bacteriophage type 52, 42B, 44A, 81, was isolated from both cultures.

Staphylococcal food poisoning

Dr. Fred T. Foard, North Carolina State Board of Health, has reported an investigation of a food poisoning outbreak in an elementary school. Of the 250 children and teachers in the school, it is known that 206 became acutely ill. Symptoms of marked nausea and vomiting began a half to 2 hours after eating lunch at noon. Other symptoms included slight to moderate diarrhea and varying degrees of prostration and shock; in general, shock was pronounced. The foods served were bread, canned green beans, cole slaw, canned spiced crabapples, canned sweet potatoes, cookies, ice cream, milk, and baked ham. Laboratory study of the foods showed an abundance of hemolytic *Staph. aureus*, coagulase-positive, in the baked ham. The slaw, green beans, and preserves showed very few hemolytic *Staph. aureus*, also coagulase-positive. The other foods were negative for food poisoning bacteria. The ham had been roasted and then left to cool for about 6 hours. After slicing, it was refrigerated overnight until serving time the next noon. The ham had been sliced by an individual not normally connected with the school. This individual was found to have an extensive dermatitis on the hands, forearms, arms, chest, and back and what appeared to be a boil on the back. It was assumed the refrigerator had been overloaded and did not refrigerate the ham properly after contamination.

Gastro-enteritis

Dr. H. M. Janney, Federal Bureau of Prisons, has reported an outbreak of gastro-enteritis among more than 60 percent of the inmates of a Federal penal institution. Only a few required hospital care. Investigation failed to reveal any specific bacterial infection, and it is believed that an unidentified virus was responsible for the epidemic. Serological studies are still in progress; more specific information as to etiology may be known after these studies are completed.

Typhoid carrier

Dr. Janney also reports that a typhoid carrier was recently discovered in the population of a Federal correctional institution. After cholecystectomy and intensive antibiotic therapy, all typhoid bacilli were eradicated from the individual.

## 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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