

# 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 April 25, 1959

The Oregon State Board of Health reports that 1 case of human leptospirosis was reported during the week ended April 18. This is the first case to be reported in several years, in Oregon.

### EPIDEMIOLOGICAL REPORTS

#### Influenza

Dr. John E. Hotchin, New York State Department of Health, reported an outbreak of respiratory illness, beginning about March 15, which involved 20 of 82 children in a children's home in Albany. Paired sera from 3 of the children were examined, and complement fixation tests showed a 16-fold increase in antibody titer for influenza type B in sera from 1 of these children and a 64-fold increase for the 2 others. The dates of onset of illness were March 23 and March 24. Dr. Hotchin also

reported that an 8-fold increase in antibody titer for influenza type A was obtained with paired sera from a 49-year-old man who resides in Steuben County. Date of onset of this illness was February 22. Isolation studies on specimens from these 4 persons are in progress.

Darrell W. Brock, Idaho Department of Health, reported the isolation of influenza type B virus from a pharyngeal swab obtained April 3 from a child living in Boise. There has been considerable influenza-like illness in the community. The illness is said to be more severe than the Asian influenza of 1957-58. A number of cases have occurred in adults, most of whom run a fever of 102° to 104° F. for a period of 4 to 5 days. All complain of severe headache. Physicians have reported that patients who get up too soon frequently suffer a relapse more severe than the first attack.

Dr. Henry M. Hardwicke, Acting Director, Missouri Divi-

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

(See page 8 for source and nature of data)

DISEASE (Seventh Revision of International Lists, 1955)	16th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Apr. 25, 1959 <sup>1</sup>	Ended Apr. 26, 1958	Median 1954-58	First 16 weeks			Since seasonal low week			
				1959 <sup>1</sup>	1958	Median 1954-58	1958-59 <sup>1</sup>	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	2 <sup>1</sup>	-	-	5	1	7	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Botulism-----049.1	-	-	-	2	-	-	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Brucellosis (undulant fever)-----044	20	16	20	226	212	291	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Diphtheria-----055	17	11	19	298	241	511	910	1,039	1,747	July 1
Encephalitis, infectious-----082	29	41	31	451	427	375	2,172	1,740	1,727	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	457	277	437	8,547	5,297	7,766	13,964	9,616	15,675	Sept. 1
Malaria-----110-117	1	2	2	20	14	50	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Measles-----085	16,765	40,119	30,475	219,241	370,845	306,627	270,630	409,285	356,197	Sept. 1
Meningococcal infections-----057	62	48	70	895	996	1,094	1,758	2,005	2,061	Sept. 1
Meningitis, other-----340	6 <sup>1</sup>	51	---	1,026	815	---	---	---	---	---
Polio myelitis-----080	19	14	75	353	248	1,282	85	61	302	Apr. 1
Paralytic-----080.0,080.1	13	6	41	243	133	568	56	30	131	Apr. 1
Nonparalytic-----080.2	3	5	23	59	75	346	14	16	80	Apr. 1
Unspecified-----080.3	3	3	14	51	40	237	15	15	51	Apr. 1
Psittacosis-----096.2	1	1	7	37	43	84	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Rabies in man-----094	-	-	-	-	2	2	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Typhoid fever-----040	11	14	22	155	221	383	31	55	93	Apr. 1
Typhus fever, endemic-----101	-	-	2	9	12	22	3	1	6	Apr. 1
Rabies in animals-----	81	102	102	1,282	1,643	1,967	2,173	2,541	3,067	Oct. 1

<sup>1</sup>Data excludes report from Wyoming for the current week.  
seasonal change in incidence.

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

<sup>3</sup>Data show no pronounced

<sup>4</sup>Includes 8 cases of aseptic meningitis; see footnote to table 2.

## EPIDEMIOLOGICAL REPORTS—Continued

sion of Health, reports that an influenza-like illness has caused about one-third of the students in a Washington County high school to be absent during the past 2 weeks. The symptoms of the illness are said to be more severe and protracted than those of the Asian influenza.

Information from the Oregon State Board of Health states that the State laboratory has reported the isolation of an Asian strain influenza virus from a Portland resident but that virus isolation and serologic confirmation indicates that the State's "influenza" outbreak consists of a variety of respiratory virus infections. There have been 3 isolations of adenovirus, and serologic evidence of type A and type B influenza, adenovirus infection, and primary atypical pneumonia.

Mortality from all causes and from influenza and pneumonia has decreased for the second consecutive week but is still higher than the average reported figures for the comparable weeks in the years 1954-58.

By geographic division, the figures for all deaths for every division except the Middle Atlantic were close to the average. For influenza and pneumonia, the number of deaths reported was higher than the average for the Middle Atlantic, West South Central, and Pacific Divisions.

Dr. Richard K. C. Lee, President, Hawaii Board of Health, reports an outbreak of an influenza-like illness at Kohala, Hawaii. Only a few cases were reported by April 17, but by April 22, 216 of 773 pupils enrolled in the elementary and high schools and 6 teachers were absent; and school was closed. An estimated 10 percent of sugar plantation workers were stricken. The illness is reported to be mild. Throat washings are being obtained for viral studies.

Dr. R. Q. Robinson, Communicable Disease Center Laboratory at Montgomery, Alabama, reports that influenza viruses, all of which appeared to be of the Asian set, have been isolated from 6 of 12 throat washings submitted by Dr. R. E. Alvarez, Pathological Institute, Hong Kong. It was thought the specimens were collected early in March.

The World Health Organization states that the number of "influenza" cases being reported to health authorities in Austria and Switzerland has considerably diminished. In northern France there is still influenza in epidemic form in the Vosges and Manche areas.

Psittacosis

The California Department of Public Health supplied information on 5 cases of psittacosis. The illnesses occurred in several different communities and 4 of them had onset in 1958. The individuals were 3 men, ages 47, 64, and 69 years, and 2 women, ages 40 and 60 years. Symptoms varied but generally included chills, fever, weakness and cough, and X-ray examination showed evidence of pulmonary infection. One person also had loss of appetite, nausea, and dizziness. Complement fixation tests for 4 of the individuals showed a 4-fold or greater rise in titer; for the other person, the first test gave a titer of 1:256 and a test 10 days later gave a titer of 1:128. Two of the individuals had been exposed to ill psittacine birds, 1 was exposed to doves and canaries in her home, but there was no known exposure for the other 2.

Gastro-enteritis

Additional information from the Tennessee Department of Public Health has been obtained by Regional Office IV of the Public Health Service about the outbreak of gastro-enteritis in 3

schools in Tennessee reported the week ended March 21. Initially, it was thought the outbreak was caused by contaminated milk served at a noon meal since all 3 schools used milk from the same dairy and the milk was the only food item common to all 3 schools. There was a total of 261 cases in 3 schools of 1 county, giving an attack rate of 31 percent. The attack rates in 2 elementary schools were 26 and 44 percent and 15 percent in the high school affected. Generally, the attack rate was higher among the younger children. Specific data on the frequency of symptoms were not obtained, but usually the illness consisted of sudden onset of nausea and vomiting and was only occasionally associated with fever or diarrhea. Recovery was rapid. The time interval between the lunch and the onset of symptoms varied from less than 2 hours to more than 7 hours, but 81 percent of the illnesses began from 3 to 5½ hours after the lunch. The median time was about 4½ hours for persons in all schools; however, the median in 1 school was 3 hours and 45 minutes. Attack rates among persons eating various food items showed no significant variations. Attack rates by types of food eaten or not eaten showed that 38 percent of those in all 3 schools who drank milk became ill, whereas only 3 percent of those who did not drink milk were ill. Such differences were not evident for the other foods.

Investigation showed that the standards of food preparation were excellent in each of the school cafeterias. Milk from the dairy which served all 3 schools gave a negative phosphatase test, indicating adequate pasteurization, and the dairy was reported to rate well above sanitation standards. Practices of the producing dairies were also well above reproach, and there was no evidence of mastitis in any of the cows. However, an asymptomatic udder infection could have been overlooked since the milk was not cultured. The number and type of organisms present on smears were not considered abnormal. Investigators felt that the pattern of the outbreak was consistent with staphylococcal food poisoning, but no laboratory confirmation of this was obtained. Examination of the milk yielded no evidence that the milk was responsible for the outbreak.

In schools in an adjacent county, students began to be ill on the day preceding the above outbreak, and onsets continued for several days. The frequent symptoms were headache, nausea, vomiting, and fever. Investigations in these schools revealed no evidence of food poisoning, and it was thought this infection was spread from person to person.

Shigellosis

The California Department of Public Health supplied information on an outbreak of shigellosis among children in a youth guidance center. Fifteen cases were reported but a total of 48 persons had stool specimens which were positive for Shigella sonnei. The symptoms were low-grade fever and diarrhea; some of the younger children had bloody stools. Two children from the same family were brought into the center on February 6. The younger child was placed in a cottage for girls under 5 years of age and the other in a cottage for girls from 5 to 18 years of age. On February 10 the younger child became ill and a stool specimen was positive for S. sonnei. Nine additional cases had onsets on February 23. From that date until April 13, 45 children from the 2 cottages were found to be excreting the organism. The sister of the original case was not ill but was found to be excreting S. sonnei when tested on February 23. She was thought to be the source of infection in the second cottage. Three employees also became ill and had positive stool specimens. The outbreak was controlled by moving all

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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED APRIL 26, 1958, AND APRIL 25, 1959**

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

AREA	BRUCELLOSIS (undulant fever) 044		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
			16th week		Cumulative first 16 weeks		082		16th week		Cumulative first 16 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONF. UNITED STATES <sup>1</sup> -----	20	16	17	11	298	241	29	41	457	277	8,547	5,297
NEW ENGLAND-----	-	-	-	-	4	5	2	4	5	6	270	194
Maine-----	-	-	-	-	-	-	-	-	-	1	50	31
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	8	1
Vermont-----	-	-	-	-	-	-	-	-	1	-	15	6
Massachusetts-----	-	-	-	-	4	4	1	1	1	1	119	84
Rhode Island-----	-	-	-	-	-	-	1	3	2	3	26	30
Connecticut-----	-	-	-	-	-	1	-	-	1	1	52	42
MIDDLE ATLANTIC-----	-	-	4	4	22	26	11	11	60	29	1,175	584
New York-----	-	-	-	1	11	12	8	11	30	19	692	368
New Jersey-----	-	-	-	1	6	1	-	-	5	2	143	61
Pennsylvania-----	-	-	4	2	5	13	3	-	25	8	340	155
EAST NORTH CENTRAL-----	4	2	1	2	17	24	4	5	66	54	1,396	903
Ohio-----	-	-	-	-	5	6	-	1	28	21	417	289
Indiana-----	1	-	-	2	1	10	-	-	8	5	148	95
Illinois-----	3	-	1	-	8	3	1	1	11	14	270	216
Michigan-----	-	2	-	-	1	4	2	2	15	10	478	258
Wisconsin-----	-	-	-	-	2	1	1	-	4	4	83	45
WEST NORTH CENTRAL-----	11	10	3	1	24	25	-	-	35	25	691	532
Minnesota-----	-	2	2	1	10	2	-	-	5	1	157	58
Iowa-----	11	2	-	-	2	4	-	-	4	3	56	116
Missouri-----	-	4	1	-	3	10	-	-	12	6	179	75
North Dakota-----	-	-	-	-	-	1	-	-	14	6	158	83
South Dakota-----	-	2	-	-	2	2	-	-	-	-	7	3
Nebraska-----	-	-	-	-	7	6	-	-	-	-	42	39
Kansas-----	-	-	-	-	-	-	-	-	-	8	92	158
SOUTH ATLANTIC-----	2	1	1	-	64	66	2	1	36	14	846	382
Delaware-----	-	-	-	-	-	-	-	-	5	3	48	18
Maryland-----	-	-	-	-	-	2	1	-	12	1	214	37
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	10	4
Virginia-----	1	-	-	-	4	12	-	-	6	4	162	96
West Virginia-----	-	-	-	-	1	2	-	1	6	1	190	73
North Carolina-----	-	-	-	-	6	11	-	-	4	-	43	19
South Carolina-----	-	-	-	-	4	7	-	-	-	2	13	30
Georgia-----	1	1	-	-	28	20	1	-	2	3	82	41
Florida-----	-	-	1	-	21	12	-	-	1	-	84	64
EAST SOUTH CENTRAL-----	2	-	5	-	42	16	1	1	48	18	823	503
Kentucky-----	-	-	-	-	3	1	-	-	15	8	407	266
Tennessee-----	-	-	-	-	4	3	-	1	18	3	188	126
Alabama-----	1	-	-	-	9	9	1	-	10	5	151	87
Mississippi-----	1	-	5	-	26	3	-	-	5	2	77	24
WEST SOUTH CENTRAL-----	1	2	2	3	113	53	1	2	45	28	613	436
Arkansas-----	-	1	-	1	31	10	1	-	4	4	26	42
Louisiana-----	-	1	-	-	37	5	-	-	4	-	47	4
Oklahoma-----	-	-	-	2	1	14	-	1	11	1	95	72
Texas-----	1	-	2	-	44	24	-	1	26	23	445	318
MOUNTAIN <sup>1</sup> -----	-	-	1	1	9	23	-	-	81	37	1,303	775
Montana-----	-	-	-	-	-	7	-	-	7	8	129	129
Idaho-----	-	-	-	-	-	1	-	-	4	1	153	69
Wyoming-----	-	-	-	-	1	2	-	-	-	-	138	3
Colorado-----	-	-	1	-	3	5	-	-	36	7	393	87
New Mexico-----	-	-	-	1	4	7	-	-	18	5	295	153
Arizona-----	-	-	-	-	1	1	-	-	10	11	209	177
Utah-----	-	-	-	-	-	-	-	-	5	4	72	79
Nevada-----	-	-	-	-	1	-	-	-	1	1	14	78
PACIFIC-----	-	1	-	-	3	3	8	17	81	66	1,430	988
Alaska-----	-	-	-	-	1	-	-	-	-	-	10	(52)
Washington-----	-	-	-	-	-	-	-	-	19	7	229	191
Oregon-----	-	-	-	-	1	1	-	-	10	4	304	117
California-----	-	1	-	-	1	2	8	17	52	55	887	680
Hawaii-----	-	1	-	-	1	-	-	-	-	-	19	20
Puerto Rico-----	-	-	-	3	11	22	-	-	-	5	72	64

<sup>1</sup>Data exclude report from Wyoming for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED APRIL 26, 1958, AND APRIL 25, 1959—Continued

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

AREA	POLIOMYELITIS 080										MEASLES	
	Total <sup>2</sup>				Paralytic 080.0,080.1				Nonparalytic		085	
	16th week		Cumulative first 16 weeks		16th week		Cumulative first 16 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES <sup>1</sup> -----	19	14	353	248	13	6	243	133	3	5	16,765	40,119
NEW ENGLAND-----	-	-	6	6	-	-	5	4	-	-	779	3,326
Maine-----	-	-	-	2	-	-	-	2	-	-	78	169
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	12	95
Vermont-----	-	-	1	-	-	-	1	-	-	-	68	28
Massachusetts-----	-	-	4	1	-	-	3	-	-	-	124	1,748
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	2	370
Connecticut-----	-	-	1	3	-	-	1	2	-	-	495	916
MIDDLE ATLANTIC-----	4	-	28	9	2	-	10	4	-	-	3,645	6,291
New York-----	4	-	23	9	2	-	9	4	-	-	729	3,000
New Jersey-----	-	-	2	-	-	-	-	-	-	-	1,632	1,242
Pennsylvania-----	-	-	3	-	-	-	1	-	-	-	1,284	2,049
EAST NORTH CENTRAL-----	1	2	24	24	1	1	15	11	-	1	1,877	11,029
Ohio-----	1	-	12	3	1	-	6	-	-	-	512	2,097
Indiana-----	-	1	1	2	-	-	-	1	-	1	265	539
Illinois-----	-	-	1	4	-	-	-	2	-	-	223	1,398
Michigan-----	-	1	8	12	-	1	7	6	-	-	424	2,682
Wisconsin-----	-	-	2	3	-	-	2	2	-	-	453	4,313
WEST NORTH CENTRAL-----	2	1	36	10	1	-	19	7	1	-	1,314	730
Minnesota-----	-	-	-	1	-	-	-	1	-	-	126	51
Iowa-----	-	-	1	-	-	-	-	1	-	-	532	267
Missouri-----	1	-	27	1	1	-	18	1	-	-	355	157
North Dakota-----	-	-	1	1	-	-	-	1	-	-	292	190
South Dakota-----	-	-	2	3	-	-	-	1	-	-	9	3
Nebraska-----	-	-	3	2	-	-	-	2	-	-	-	62
Kansas-----	1	1	3	1	-	-	-	-	1	-	(*)	(*)
SOUTH ATLANTIC-----	4	1	78	53	2	-	57	28	1	-	2,249	5,068
Delaware-----	-	-	2	1	-	-	2	1	-	-	52	25
Maryland-----	-	-	-	-	-	-	-	-	-	-	105	188
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	27	83
Virginia-----	-	-	2	3	-	-	2	3	-	-	1,016	1,419
West Virginia-----	-	-	12	4	-	-	10	4	-	-	241	699
North Carolina-----	-	-	6	10	-	-	4	3	-	-	222	202
South Carolina-----	1	-	7	3	1	-	5	2	-	-	180	793
Georgia-----	-	-	3	6	-	-	3	4	-	-	14	441
Florida-----	3	1	46	26	1	-	31	11	1	-	392	1,218
EAST SOUTH CENTRAL-----	1	5	31	25	1	2	20	12	-	2	771	2,621
Kentucky-----	-	3	7	12	-	1	6	6	-	2	196	686
Tennessee-----	-	1	9	4	-	1	5	2	-	-	347	1,318
Alabama-----	-	-	1	5	-	-	-	4	-	-	114	530
Mississippi-----	1	1	14	4	1	-	9	-	-	-	114	87
WEST SOUTH CENTRAL-----	2	4	74	42	2	2	60	28	-	2	2,290	6,147
Arkansas-----	-	-	13	4	-	-	13	4	-	-	74	262
Louisiana-----	1	-	13	6	1	-	11	5	-	-	-	10
Oklahoma-----	-	-	3	3	-	-	2	1	-	-	33	441
Texas-----	1	4	45	29	1	2	34	18	-	2	2,183	5,434
MOUNTAIN <sup>1</sup> -----	-	-	14	23	-	-	8	9	-	-	1,128	2,203
Montana-----	-	-	-	2	-	-	-	-	-	-	105	418
Idaho-----	-	-	-	-	-	-	-	-	-	-	29	108
Wyoming-----	-	-	1	2	-	-	1	1	-	-	-	97
Colorado-----	-	-	2	5	-	-	2	4	-	-	269	297
New Mexico-----	-	-	4	10	-	-	1	3	-	-	143	422
Arizona-----	-	-	5	2	-	-	5	1	-	-	366	673
Utah-----	-	-	2	1	-	-	-	-	-	-	104	186
Nevada-----	-	-	-	1	-	-	-	-	-	-	113	2
PACIFIC-----	5	1	62	56	4	1	49	30	1	-	2,712	2,704
Alaska-----	-	-	-	-	-	-	-	-	-	-	18	(7)
Washington-----	-	-	4	6	-	-	-	-	-	-	574	492
Oregon-----	-	-	3	5	-	-	3	3	-	-	255	303
California-----	5	1	55	45	4	1	46	27	1	-	1,865	1,909
Hawaii-----	1	2	4	4	1	2	4	4	-	-	37	19
Puerto Rico-----	-	-	3	23	-	-	3	20	-	-	68	103

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

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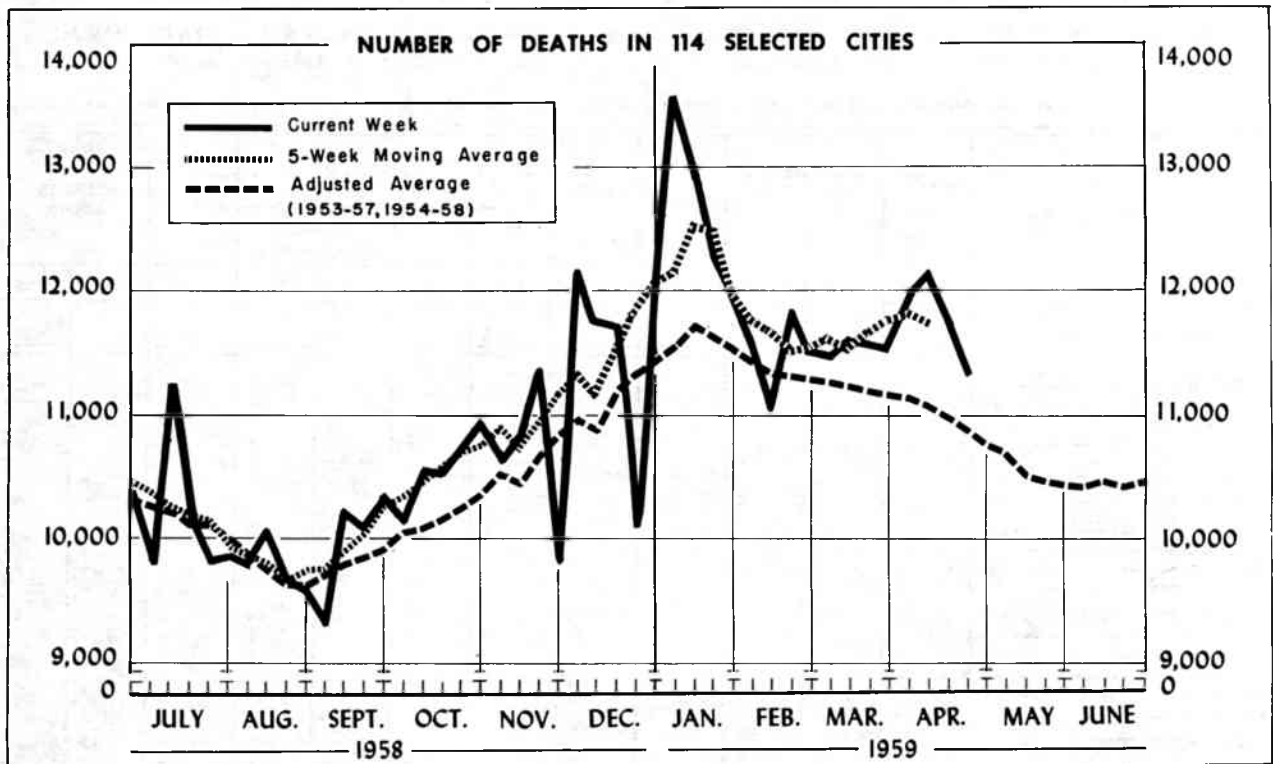
**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED APRIL 26, 1958, AND APRIL 25, 1959—Continued**

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

AREA	MALARIA		MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTA-COSIS	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	110-117		057		340	096.2	16th week		Cumulative first 16 weeks		101	1959	1958
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES <sup>1</sup> -----	1	62	48	61	1	11	14	155	221	-	81	102	
NEW ENGLAND-----	-	5	2	7	-	-	-	2	2	-	-	-	
Maine-----	-	1	-	1	-	-	-	-	1	-	-	-	
New Hampshire-----	-	-	1	-	-	-	-	-	-	-	-	-	
Vermont-----	-	-	-	<sup>3</sup> 1	-	-	-	-	-	-	-	-	
Massachusetts-----	-	4	-	4	-	-	-	-	1	-	-	-	
Rhode Island-----	-	-	-	1	-	-	-	1	-	-	-	-	
Connecticut-----	-	-	1	-	-	-	-	1	-	-	-	-	
MIDDLE ATLANTIC-----	-	15	7	-	-	-	1	16	23	-	7	5	
New York-----	-	7	1	-	-	-	-	5	7	-	5	3	
New Jersey-----	-	2	2	-	-	-	-	5	7	-	-	-	
Pennsylvania-----	-	6	4	-	-	-	1	6	9	-	2	2	
EAST NORTH CENTRAL-----	-	15	12	13	-	2	1	16	21	-	7	10	
Ohio-----	-	-	1	-	-	2	-	9	7	-	-	-	
Indiana-----	-	-	1	4	-	-	1	2	6	-	4	9	
Illinois-----	-	8	3	8	-	-	-	1	-	-	-	-	
Michigan-----	-	7	6	-	-	-	-	3	4	-	1	-	
Wisconsin-----	-	-	1	<sup>3</sup> 1	-	-	-	1	4	-	2	1	
WEST NORTH CENTRAL-----	-	3	2	-	-	1	2	7	25	-	19	27	
Minnesota-----	-	-	1	-	-	-	-	-	2	-	8	10	
Iowa-----	-	-	-	-	-	-	-	-	4	-	5	9	
Missouri-----	-	3	-	-	-	1	1	4	12	-	4	5	
North Dakota-----	-	-	1	-	-	-	-	1	-	-	1	3	
South Dakota-----	-	-	-	-	-	-	1	-	1	-	-	-	
Nebraska-----	-	-	-	-	-	-	-	-	1	-	1	-	
Kansas-----	-	-	-	-	-	-	-	2	5	-	-	-	
SOUTH ATLANTIC-----	-	6	11	22	-	2	3	37	42	-	11	23	
Delaware-----	-	-	-	-	-	-	-	-	-	-	-	-	
Maryland-----	-	-	-	3	-	-	-	-	2	-	-	-	
District of Columbia-----	-	-	-	3	-	-	-	1	2	-	-	-	
Virginia-----	-	1	1	4	-	1	1	8	4	-	6	7	
West Virginia-----	-	1	2	1	-	-	-	2	7	-	2	7	
North Carolina-----	-	3	3	-	-	-	-	5	10	-	-	1	
South Carolina-----	-	-	1	-	-	-	-	3	2	-	-	1	
Georgia-----	-	-	-	-	-	-	1	4	5	-	3	5	
Florida-----	-	1	4	<sup>3</sup> 1	-	1	1	14	10	-	-	2	
EAST SOUTH CENTRAL-----	-	9	5	8	-	-	-	14	21	-	9	19	
Kentucky-----	-	2	-	1	-	-	-	2	6	-	6	10	
Tennessee-----	-	2	1	4	-	-	-	6	7	-	3	3	
Alabama-----	-	4	3	-	-	-	-	2	7	-	-	5	
Mississippi-----	-	1	1	3	-	-	-	4	1	-	-	1	
WEST SOUTH CENTRAL-----	-	2	5	-	-	4	4	32	52	-	19	13	
Arkansas-----	-	-	-	-	-	2	-	6	1	-	7	3	
Louisiana-----	-	1	2	-	-	1	2	7	28	-	-	1	
Oklahoma-----	-	1	1	-	-	1	-	6	3	-	-	-	
Texas-----	-	-	2	-	-	-	2	13	20	-	12	9	
MOUNTAIN <sup>1</sup> -----	-	1	-	2	-	-	1	9	12	-	-	-	
Montana-----	-	-	-	-	-	-	1	1	2	-	-	-	
Idaho-----	-	-	-	-	-	-	-	2	4	-	-	-	
Wyoming-----	-	-	-	-	-	-	-	<sup>1</sup> 1	-	-	-	-	
Colorado-----	-	-	-	1	-	-	-	-	-	-	-	-	
New Mexico-----	-	1	-	-	-	-	-	1	5	-	-	-	
Arizona-----	-	-	-	-	-	-	-	4	1	-	-	-	
Utah-----	-	-	-	1	-	-	-	-	-	-	-	-	
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-	
PACIFIC-----	1	6	4	9	1	2	2	22	23	-	9	5	
Alaska-----	-	-	-	-	-	-	-	1	-	-	-	-	
Washington-----	1	-	-	1	-	-	-	1	-	-	-	-	
Oregon-----	-	2	-	3	-	-	-	1	5	-	-	-	
California-----	-	4	4	<sup>3</sup> 5	1	2	2	19	18	-	9	5	
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-	
Puerto Rico-----	-	-	-	-	-	-	2	2	10	-	-	-	

<sup>1</sup>Data exclude report from Wyoming for the current week.  
<sup>3</sup>Aseptic meningitis.

## 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, a 5-week moving average of these figures plotted at the central week and an adjusted average, 1954-58, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1954-58, 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 this 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 114 SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence, and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

AREA	16th week ended Apr. 25, 1959	15th week ended Apr. 18, 1959	Adjusted average, 16th week 1954-58	Percent change, adjusted average to current week <sup>1</sup>	CUMULATIVE NUMBER FIRST 16 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	<sup>2</sup> 11,321	<sup>2</sup> 11,773	10,895	+3.9	<sup>3</sup> 190,410	196,791	-3.2
New England----- (14 cities)	677	771	712	-4.9	12,137	12,358	-1.8
Middle Atlantic----- (20 cities)	<sup>2</sup> 3,451	3,635	3,239	+6.5	<sup>2</sup> 55,929	57,391	-2.5
East North Central----- (19 cities)	2,388	<sup>2</sup> 2,504	2,353	+1.5	<sup>2</sup> 40,377	41,889	-3.6
West North Central----- (9 cities)	780	765	773	+0.9	13,213	13,840	-4.5
South Atlantic----- (11 cities)	936	999	896	+4.5	16,147	17,531	-7.9
East South Central----- (8 cities)	524	473	479	+9.4	8,578	9,448	-9.2
West South Central----- (13 cities)	887	869	846	+4.8	15,693	16,532	-5.1
Mountain----- (8 cities)	309	329	265	+16.6	5,310	4,994	+6.3
Pacific----- (12 cities)	1,369	1,428	1,322	+3.6	23,026	22,808	+1.0

<sup>1</sup>Adjusted average used as base.

<sup>2</sup>Includes estimate for missing city.

<sup>3</sup>Include estimates 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	16th week ended Apr. 25, 1959	15th week ended Apr. 18, 1959	CUMULATIVE NUMBER FIRST 16 WEEKS		AREA	16th week ended Apr. 25, 1959	15th week ended Apr. 18, 1959	CUMULATIVE NUMBER FIRST 16 WEEKS	
			1959	1958				1959	1958
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	244	256	4,147	4,243	St. Louis, Mo.-----	230	223	4,103	4,449
Bridgeport, Conn.-----	35	45	699	698	St. Paul, Minn.-----	71	51	1,086	1,286
Cambridge, Mass.-----	25	31	478	510	Wichita, Kans.-----	41	42	779	752
Fall River, Mass.-----	31	32	476	474	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	47	56	835	886	Atlanta, Ga.-----	115	116	1,879	1,972
Lowell, Mass.-----	11	24	392	471	Baltimore, Md.-----	262	259	4,073	4,456
Lynn, Mass.-----	24	26	403	362	Charlotte, N. C.-----	33	34	608	601
New Bedford, Mass.-----	23	28	401	421	Jacksonville, Fla.-----	41	66	959	1,103
New Haven, Conn.-----	43	42	770	829	Miami, Fla.-----	61	63	1,205	1,351
Providence, R. I.-----	67	78	1,161	1,147	Norfolk, Va.-----	32	45	689	646
Somerville, Mass.-----	9	16	229	243	Richmond, Va.-----	68	65	1,259	1,326
Springfield, Mass.-----	44	44	775	682	Savannah, Ga.-----	40	32	545	602
Waterbury, Conn.-----	21	29	457	462	St. Petersburg, Fla.-----	(53)	(60)	(1,192)	(1,286)
Worcester, Mass.-----	53	64	914	930	Tampa, Fla.-----	62	70	1,087	1,283
<b>MIDDLE ATLANTIC:</b>					<b>EAST SOUTH CENTRAL:</b>				
Albany, N. Y.-----	68	62	970	893	Birmingham, Ala.-----	86	67	1,371	1,628
Allentown, Pa.-----	45	51	635	577	Chattanooga, Tenn.-----	62	46	797	882
Buffalo, N. Y.-----	150	152	2,400	2,705	Knoxville, Tenn.-----	29	28	448	502
Camden, N. J.-----	39	42	674	776	Louisville, Ky.-----	118	129	1,894	1,986
Elizabeth, N. J.-----	39	26	485	512	Memphis, Tenn.-----	104	79	1,894	2,039
Erie, Pa.-----	43	29	599	565	Mobile, Ala.-----	41	37	649	725
Jersey City, N. J.-----	76	82	1,343	1,267	Montgomery, Ala.-----	27	29	535	626
Newark, N. J.-----	100	130	1,786	1,679	Nashville, Tenn.-----	57	58	990	1,060
New York City, N. Y.-----	1,725	1,922	28,750	29,015	<b>WEST SOUTH CENTRAL:</b>				
Paterson, N. J.-----	37	39	664	753	Austin, Tex.-----	29	27	508	586
Philadelphia, Pa.-----	521	496	8,552	9,084	Baton Rouge, La.-----	30	18	480	500
Pittsburgh, Pa.-----	216	232	3,193	3,456	Corpus Christi, Tex.-----	11	38	327	369
Reading, Pa.-----	25	25	372	375	Dallas, Tex.-----	123	109	1,927	1,996
Rochester, N. Y.-----	101	101	1,626	1,768	El Paso, Tex.-----	25	40	600	660
Schenectady, N. Y.-----	27	31	395	408	Fort Worth, Tex.-----	45	64	1,051	1,064
Scranton, Pa.-----	48	37	663	618	Houston, Tex.-----	188	130	2,592	2,754
Syracuse, N. Y.-----	66	76	1,050	1,033	Little Rock, Ark.-----	35	47	936	920
Trenton, N. J.-----	48	32	736	895	New Orleans, La.-----	168	145	2,821	3,136
Utica, N. Y.-----	<sup>1</sup> 34	24	<sup>2</sup> 497	474	Oklahoma City, Okla.-----	56	62	1,113	1,167
Yonkers, N. Y.-----	43	46	539	538	San Antonio, Tex.-----	82	106	1,635	1,668
<b>EAST NORTH CENTRAL:</b>					<b>MOUNTAIN:</b>				
Akron, Ohio-----	69	65	996	1,012	Albuquerque, N. Mex.-----	34	22	517	458
Canton, Ohio-----	29	33	551	493	Colorado Springs, Colo.-----	16	16	280	235
Chicago, Ill.-----	770	852	12,831	13,451	Denver, Colo.-----	112	129	1,916	1,949
Cincinnati, Ohio-----	145	185	2,716	2,892	Ogden, Utah-----	15	13	269	235
Cleveland, Ohio-----	164	198	3,456	3,744	Phoenix, Ariz.-----	54	53	903	797
Columbus, Ohio-----	117	120	1,905	2,045	Pueblo, Colo.-----	14	13	212	208
Dayton, Ohio-----	59	84	1,115	1,291	Salt Lake City, Utah-----	42	54	800	762
Detroit, Mich.-----	307	307	5,514	5,480	Tucson, Ariz.-----	22	29	413	350
Evansville, Ind.-----	42	37	643	679	<b>PACIFIC:</b>				
Flint, Mich.-----	48	<sup>1</sup> 40	<sup>2</sup> 679	647	Berkeley, Calif.-----	19	13	300	341
Fort Wayne, Ind.-----	33	34	606	622	Fresno, Calif.-----	(48)	(33)	(678)	(602)
Gary, Ind.-----	27	23	524	546	Glendale, Calif.-----	(34)	(52)	(629)	(570)
Grand Rapids, Mich.-----	48	52	710	741	Long Beach, Calif.-----	49	64	943	893
Indianapolis, Ind.-----	148	134	2,429	2,162	Los Angeles, Calif.-----	476	504	8,268	8,460
Madison, Wis.-----	(29)	(24)	(461)	(535)	Oakland, Calif.-----	88	100	1,603	1,617
Milwaukee, Wis.-----	141	133	2,217	2,394	Pasadena, Calif.-----	36	35	523	602
Peoria, Ill.-----	34	31	508	583	Portland, Oreg.-----	127	100	1,947	1,655
Rockford, Ill.-----	(29)	(25)	(461)	(442)	Sacramento, Calif.-----	48	59	885	857
South Bend, Ind.-----	32	25	439	469	San Diego, Calif.-----	85	86	1,392	1,425
Toledo, Ohio-----	114	101	1,637	1,742	San Francisco, Calif.-----	180	203	3,295	3,350
Youngstown, Ohio-----	61	50	901	896	San Jose, Calif.-----	(16)	(23)	(414)	(383)
<b>WEST NORTH CENTRAL:</b>					<b>SOUTH CENTRAL:</b>				
Des Moines, Iowa-----	51	59	933	942	Seattle, Wash.-----	150	139	2,302	2,236
Duluth, Minn.-----	26	24	427	406	Spokane, Wash.-----	57	66	847	755
Kansas City, Kans.-----	37	35	531	485	Tacoma, Wash.-----	54	59	721	617
Kansas City, Mo.-----	123	127	2,021	2,158	<b>HONOLULU, HAWAII:</b>				
Lincoln, Nebr.-----	(24)	(23)	(430)	(434)		(27)	(41)	(593)	(631)
Minneapolis, Minn.-----	131	138	2,123	2,173					
Omaha, Nebr.-----	70	66	1,210	1,189					

<sup>1</sup>Estimated.

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

<sup>3</sup>Includes estimate for previous week.

EPIDEMIOLOGICAL REPORTS—Continued

persons with positive specimens to the isolation ward of a hospital.

Staphylococcal food poisoning

Dr. O. J. Pellitteri, New York City Department of Health, reported an outbreak of 26 cases of staphylococcal food poisoning following a noon meal at a small college. About 50 students ate the lunch. Symptoms of nausea, vomiting, diarrhea, and cramps developed about 4 hours after eating. A survey of those eating the lunch indicated tuna fish salad as the probable contaminated food. This was confirmed by the recovery of coagulase-positive *Staphylococcus aureus*, type 29, from a sample of the tuna fish. A similar type organism was recovered from the hands of one of the cooks who prepared the tuna fish salad.

QUARANTINE MEASURES

Immunization Information for International Travel

No changes reported

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EXPLANATION OF SYMBOLS USED IN TABLES

Data not available-----	---
Quantity zero-----	-
Percent more than 0 but less than 0.05-----	0.0
Disease stated not notifiable-----	*
Figures within parentheses not included in totals--	( )

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 Hawaii and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cumulative totals are routinely revised to include corrected and revised figures and delayed reports. In table 1, data for Alaska are included for 1959 but not for prior years. In table 2, total figures for the United States and the Pacific Division include figures for Alaska for 1959 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, small-pox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted below table 1.

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