

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

For release October 9, 1959

Washington 25, D. C.

Vol. 8, No. 39

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 3, 1959

A total of 393 cases of poliomyelitis was reported for the week ended October 3, 1959. Of these, 279 were classified as paralytic and 81 as nonparalytic. This is a decrease from the figures for the previous week—a total of 496 cases, 304 of which were paralytic and 150 nonparalytic. For the week ended October 4, 1958, the total was 313 cases, of which 133 were paralytic.

For the current week the largest decreases in paralytic cases were in the New England, South Atlantic, and West South Central Geographic Divisions. There were sizable increases in the East North Central and East South Central Divisions. No report was received from 1 State in the latter area. Some of the States which have been reporting relatively large figures reported paralytic cases for the current week as follows (previous week's figures in parenthesis): Maine, 4 (15); New York, 22 (17); New Jersey, 6 (14); Missouri, 11 (15);

Virginia, 6 (23); West Virginia, 6 (9); North Carolina, 12 (9); Kentucky, 19 (10); Tennessee, 29 (9); Alabama, 3 (11); Arkansas, 7 (10); and Texas, 2 (16). Massachusetts, Pennsylvania, Minnesota, Iowa, and California reported about the same figures as last week. The number of cases reported in Kentucky has been increasing steadily beginning with the 36th week.

Additional information from Tennessee stated that 12 of the total of 34 cases occurred in Knox County and 6 in Hamilton County. Twenty-two of the cases had onset during the first 19 days of September.

California and Illinois each reported 1 death.

Information from the Iowa State Department of Health on cases reported prior to the current week shows that the occurrence is generally scattered over the State. Almost all the cases are nonparalytic. Few of the paralytic cases are

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: Continental United States

(See page 8 for source and nature of data)

DISEASE (Seventh Revision of International Lists, 1955)	39th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Oct. 3, 1959 ¹	Ended Oct. 4, 1958	Median 1954-58	First 39 weeks			Since seasonal low week			
				1959 ¹	1958	Median 1954-58	1958-59 ¹	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	-	-	-	12	12	17	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	15	3	6	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	9	19	26	571	622	802	(2)	(2)	(2)	(2)
Diphtheria-----055	19	39	39	572	505	1,014	184	183	285	July 1
Encephalitis, infectious-----082	76	70	58	1,597	1,745	1,454	1,016	1,151	898	June 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	412	325	323	16,723	11,488	14,857	1,945	1,407	1,407	Sept. 1
Malaria-----110-117	1	1	5	62	51	194	(2)	(2)	(2)	(2)
Measles-----085	856	1,208	973	366,885	710,565	563,260	4,600	5,821	4,441	Sept. 1
Meningococcal infections-----057	50	44	44	1,729	1,983	2,036	165	263	212	Sept. 1
Meningitis, other-----040	151	240	---	3,928	3,087	---	---	---	---	---
Poliomyelitis-----080	393	313	602	6,417	4,029	12,660	6,149	3,842	11,681	Apr. 1
Paralytic-----080.0,080.1	279	133	234	4,013	1,931	5,423	3,826	1,828	4,892	Apr. 1
Nonparalytic-----080.2	81	122	237	1,816	1,510	4,957	1,771	1,451	4,695	Apr. 1
Unspecified-----080.3	33	58	131	588	588	2,280	552	563	2,094	Apr. 1
Psittacosis-----096.2	3	3	3	86	117	207	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	4	2	4	(2)	(2)	(2)	(2)
Typhoid fever-----040	40	33	42	633	806	1,331	509	640	1,041	Apr. 1
Typhus fever, endemic-----101	2	-	2	37	60	99	31	49	75	Apr. 1
Rabies in animals-----	87	47	73	2,946	3,634	3,727	87	47	73	Oct. 1

¹Data exclude report from Mississippi for the current week.

²Data show no pronounced seasonal change in incidence.

³Includes 44 cases of aseptic meningitis; see footnotes to table 2.

occurring in individuals who have received 3 or more doses of vaccine. The cases which are occurring in Des Moines are predominantly in white persons and are mostly nonparalytic.

The Washington State Weekly Communicable Disease Report for the week ended September 26 states that 24.5 percent of the 126 paralytic cases reported by that date were in children from 1 to 4 years of age, and about 20 percent in children in the age group 5 to 9 years. The percentages of individuals in the age groups 20 to 29 and 30 to 39 years were 23 and 20 respectively. Only 6 percent of the cases were in persons in the age group 10 to 19 years. Of the 117 cases for which vaccination status is known, 71 had received no vaccine, and 22 had received 3 or more doses.

The Missouri Division of Health reports that 49 percent of the total number of cases this year have been in children under 5 years of age. This is the same as in 1958, but in 1957 only 19 percent were in this age group; and in 1956, 31 percent. Forty-three percent of the cases have been in nonwhite individuals, compared with 19 percent in 1958, and only 5 percent in both 1957 and 1956. Eight percent of the paralytic cases were in persons with 3 or more doses of vaccine, compared with 15 percent in 1958.

The California Surveillance Report, dated October 2, 1959, states that the number of cases of paralytic poliomyelitis so far in 1959 is above that for both 1958 and 1957, but is well below the 664 cases for the period 1954 to 1958. No concentrated groups of cases have occurred in the State so far this year. There have been 5 deaths—all unvaccinated males. Of the 209 cases for which information is available, 44 percent have been in children under 5 years of age. About 25 percent have been adults more than 20 years of age. Fourteen percent of the cases were in persons who had received 3 or more doses of vaccine.

The Canadian Department of National Health and Welfare reports the incidence of paralytic poliomyelitis was decreasing in a number of provinces. As of September 19 there was a total of 969 paralytic cases, as compared with 131 last year. The largest number (656) has been reported from Quebec Province. Type I virus has been most frequently isolated from cases and carriers. A type III virus was isolated in Nova Scotia from a 38-year-old woman who had bulbar poliomyelitis, and her 5 sons ranging in ages from 2 to 15 years. They had suffered minor illnesses prior to their mother's illness. Each of them had received 3 injections of poliomyelitis vaccine, but the mother had received none.

EPIDEMIOLOGICAL REPORT

Arthropod-borne encephalitis

Dr. W. J. Dougherty, New Jersey State Department of Health, states that the total number of cases of eastern equine encephalitis (EEE) is now 29, with 19 deaths. Some suspect cases are being investigated. The onset of illness of the reported cases by weeks is as follows: 1 case each for the weeks ended August 17 and 24, 3 cases for August 31, 9 for September 7, 6 for September 14, 8 for September 21, and 1 for the week ended October 3. The distribution of the cases and deaths by age, as shown below, indicates a concentration in the younger and older age groups.

	Cases	Deaths
Under 1 year-----	1	-
1 to 4 years-----	10	6
5 to 9 years-----	5	3
10 to 19 years-----	4	4
20 to 29 years-----	1	1
30 to 49 years-----	-	-
50 years and over -----	8	5

One case each has been reported from 13 different communities. There were 2 cases in 3 communities, 3 cases in 2 communities, and 4 cases in 1 community. The largest number of communities (9) as well as the largest number of cases (17) have been in Ocean County. Seven isolations of EEE virus have been made, and there have been 5 positive serologic tests to date. A 4-year-old child from Ocean County was transferred to a hospital in New York City, on September 22, and died the same day of fulminating encephalitis. A strain of EEE virus, identified by complement fixation, was isolated from a specimen of brain tissue obtained at autopsy.

The California Department of Public Health states that 11 laboratory-confirmed cases of St. Louis encephalitis have been reported from the middle of July to September 1. Eight of the 11 cases occurred in the Central Valley north of Sacramento. Two of the cases were under 5 years of age, and the remainder were over the age of 10. The prevalence of *C. tarsalis* mosquitoes is reported as particularly low this year.

Elsewhere, 1 case of western equine encephalitis has been reported previously in Utah and in Wyoming. Two cases of arthropod-borne encephalitis, type not stated, have been reported in Arkansas.

Staphylococcal food poisoning

Information has been received from the Food and Drug Administration that 9 persons became ill with staphylococcal food poisoning after eating chocolate eclairs in Cincinnati, Ohio. The eclairs were purchased from a bakery.

Dr. J. E. Peavy, Texas Commissioner of Health, supplied information on an outbreak of staphylococcal food poisoning among persons attending a party at a country club. Approximately 139 individuals were served by a nonprofessional caterer. Eighty-five became ill, the first symptoms developing from 1 to 1½ hours after the serving began. The main course was chicken breasts served with cream sauce, which was added to the chicken about 5 hours before serving. A creamed bean dish, creamed rice, fruit salad, and cream cheese cake were also served. Staphylococcal organisms were found in left over chicken and in the bean dish. Some chicken breasts from the same lot were served in a different city with no resultant illness. Children at the party were served "hot dogs" prior to the main meal and no illness was recorded among this group. One person died during the night of the outbreak, but this death was attributed to a heart attack.

Dr. D. S. Fleming, Minnesota State Department of Health, reported that 4 persons became ill with staphylococcal food poisoning after eating ham sandwiches in a cafeteria at an air terminal. An incoming passenger became ill with nausea, vomiting, diarrhea, and prostration about 3 hours after eating. The other 3 individuals who became ill were members of a group of 5 outgoing passengers. The two who did not become ill did not eat the ham sandwiches. Cultures made from specimens of the ham sandwiches showed a growth of coagulase-positive staphylococci and coliform organisms. The general sanitation of the restaurant was reported as poor. However, there was no obvious break in the food handling technique responsible for the contamination and the foodhandlers had no overt infections.

Dr. Fleming also reported 2 other episodes of food poisoning. A husband and wife suffered acute onset of food poisoning after eating ham which had stood at room temperature for at least 30 hours. In the other instance, 5 persons were hospitalized after eating ham. Hemolytic coagulase-positive *Staphylococcus aureus* was isolated from specimens of both hams.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 4, 1958, AND OCTOBER 3, 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 082		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
			39th week		Cumulative first 39 weeks				39th week		Cumulative first 39 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES ¹ -----	9	19	19	39	572	505	76	70	412	323	16,723	11,488
NEW ENGLAND-----	-	-	-	1	5	6	4	1	18	12	539	433
Maine-----	-	-	-	-	-	-	-	-	1	3	85	56
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	15	2
Vermont-----	-	-	-	-	-	-	-	-	-	-	23	18
Massachusetts-----	-	-	-	1	5	5	-	-	11	4	254	213
Rhode Island-----	-	-	-	-	-	-	4	1	4	3	55	55
Connecticut-----	-	-	-	-	-	1	-	-	2	2	107	89
MIDDLE ATLANTIC-----	-	-	1	1	46	34	17	5	53	61	2,495	1,512
New York-----	-	-	1	-	24	16	5	4	27	36	1,471	1,026
New Jersey-----	-	-	-	1	9	2	5	-	6	4	272	125
Pennsylvania-----	-	-	-	-	13	16	7	1	20	21	752	361
EAST NORTH CENTRAL-----	1	3	1	1	27	32	14	14	47	48	2,661	2,014
Ohio-----	-	1	1	1	9	7	5	6	13	14	786	628
Indiana-----	-	-	-	-	4	13	6	-	2	3	244	182
Illinois-----	1	1	-	-	9	6	3	3	12	13	576	488
Michigan-----	-	-	-	-	3	5	-	3	15	11	892	546
Wisconsin-----	-	1	-	-	2	1	-	2	5	7	163	170
WEST NORTH CENTRAL-----	5	11	-	1	43	78	7	21	30	39	1,328	964
Minnesota-----	-	1	-	1	18	31	-	-	2	7	324	134
Iowa-----	3	2	-	-	3	13	-	1	2	-	120	177
Missouri-----	-	1	-	-	5	14	-	-	7	6	363	187
North Dakota-----	-	-	-	-	2	3	-	3	9	12	263	168
South Dakota-----	-	-	-	-	3	5	-	1	4	4	45	14
Nebraska-----	-	-	-	-	12	10	-	1	2	8	64	67
Kansas-----	2	7	-	-	-	2	7	15	4	2	149	217
SOUTH ATLANTIC-----	2	-	14	21	164	145	7	4	31	19	1,475	854
Delaware-----	-	-	-	-	-	-	-	-	5	2	89	42
Maryland-----	-	-	-	-	7	3	6	1	-	2	327	100
District of Columbia-----	-	-	-	1	-	1	-	-	-	1	15	14
Virginia-----	-	-	2	-	12	15	-	-	12	5	355	221
West Virginia-----	-	-	-	-	2	9	-	-	3	4	248	124
North Carolina-----	-	-	1	-	16	16	-	2	1	-	87	45
South Carolina-----	-	-	3	3	22	25	-	-	1	-	35	37
Georgia-----	1	-	-	15	50	48	1	1	-	-	110	86
Florida-----	1	-	8	2	55	28	-	-	9	3	209	185
EAST SOUTH CENTRAL ¹ -----	1	-	1	3	64	47	2	4	38	20	1,527	1,000
Kentucky-----	-	-	-	-	9	4	-	1	15	3	716	485
Tennessee-----	-	-	-	-	6	5	2	-	6	13	356	266
Alabama-----	1	-	1	-	16	21	-	-	17	1	328	183
Mississippi-----	---	---	3	1 ³³	17	---	3	---	3	---	1 ¹²⁷	66
WEST SOUTH CENTRAL-----	-	1	2	9	193	121	12	1	47	13	1,345	917
Arkansas-----	-	-	-	4	34	16	5	-	6	-	72	89
Louisiana-----	-	-	1	5	50	43	-	-	-	2	101	10
Oklahoma-----	-	-	-	-	2	22	-	1	7	4	185	121
Texas-----	-	1	1	-	107	40	7	-	34	7	987	697
MOUNTAIN-----	-	2	-	1	18	31	1	13	49	42	2,230	1,534
Montana-----	-	-	-	1	-	8	-	-	3	8	203	300
Idaho-----	-	-	-	-	-	1	-	-	9	14	263	149
Wyoming-----	-	-	-	-	-	2	-	1	1	-	49	8
Colorado-----	-	-	-	-	7	7	-	9	10	7	684	191
New Mexico-----	-	1	-	-	8	10	-	2	10	2	420	261
Arizona-----	-	-	-	-	2	3	-	-	10	4	438	378
Utah-----	-	1	-	-	-	-	1	1	6	7	152	147
Nevada-----	-	-	-	1	-	-	-	-	-	-	21	100
PACIFIC-----	-	2	-	1	12	11	12	7	99	69	3,123	2,260
Alaska-----	-	(1)	-	-	5	-	-	-	-	-	63	(67)
Washington-----	-	1	-	-	-	-	1	-	28	5	422	363
Oregon-----	-	1	-	1	3	7	-	3	20	13	636	337
California-----	-	-	-	-	4	4	11	4	51	51	2,002	1,560
Hawaii-----	-	-	-	-	2	-	-	-	6	-	40	56
Puerto Rico-----	-	-	-	1	23	38	-	-	1	5	227	118

¹Data exclude report from Mississippi 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 OCTOBER 4, 1958, AND OCTOBER 3, 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 ²				Paralytic 080.0,080.1				Nonparalytic		085	
	39th week		Cumulative first 39 weeks		39th week		Cumulative first 39 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONF. UNITED STATES ¹ -----	393	313	6,417	4,029	279	133	4,013	1,931	81	122	856	1,208
NEW ENGLAND-----	15	3	255	74	14	2	186	40	-	1	28	51
Maine-----	4	-	32	2	4	-	32	2	-	-	5	7
New Hampshire-----	-	-	4	4	-	-	3	-	-	-	-	1
Vermont-----	-	-	2	5	-	-	2	4	-	-	-	-
Massachusetts-----	9	3	112	26	8	2	80	10	-	1	16	28
Rhode Island-----	-	-	6	3	-	-	4	3	-	-	-	-
Connecticut-----	2	-	99	34	2	-	65	21	-	-	7	15
MIDDLE ATLANTIC-----	55	36	545	506	43	11	327	269	6	11	66	151
New York-----	29	13	309	201	22	6	170	121	2	5	31	58
New Jersey-----	8	18	107	229	6	3	65	88	1	3	4	33
Pennsylvania-----	18	5	129	76	15	2	92	60	3	3	31	60
EAST NORTH CENTRAL-----	77	163	950	1,427	38	47	376	517	23	79	154	242
Ohio-----	12	35	215	252	9	6	93	70	2	8	19	60
Indiana-----	13	7	126	87	5	3	69	39	1	2	22	46
Illinois-----	17	17	211	174	6	6	98	53	6	7	25	30
Michigan-----	30	98	362	869	13	32	96	341	14	61	31	39
Wisconsin-----	5	6	36	45	5	-	20	14	-	1	57	67
WEST NORTH CENTRAL-----	57	20	1,293	253	38	14	644	112	17	4	60	73
Minnesota-----	20	2	180	19	15	2	142	13	5	-	18	2
Iowa-----	9	6	399	58	6	4	162	17	2	1	6	11
Missouri-----	16	8	396	86	11	6	217	52	4	2	1	17
North Dakota-----	1	3	12	36	-	2	6	22	1	-	34	40
South Dakota-----	-	-	13	7	-	-	-	1	-	-	-	1
Nebraska-----	6	1	121	22	3	-	64	3	3	1	1	2
Kansas-----	5	-	172	25	3	-	53	4	2	-	(*)	(*)
SOUTH ATLANTIC-----	55	28	978	588	38	19	731	313	13	8	40	183
Delaware-----	-	-	8	16	-	-	7	9	-	-	4	1
Maryland-----	3	1	23	12	3	1	22	10	-	-	14	11
District of Columbia-----	-	-	6	5	-	-	5	3	-	-	1	-
Virginia-----	8	3	248	99	6	3	188	79	2	-	7	16
West Virginia-----	6	11	139	133	6	7	109	87	-	4	10	121
North Carolina-----	19	9	198	82	12	6	162	29	7	3	3	1
South Carolina-----	5	1	68	18	2	-	35	10	-	1	-	-
Georgia-----	12	-	128	37	8	-	97	22	4	-	-	8
Florida-----	2	3	160	186	1	2	106	64	-	-	1	25
EAST SOUTH CENTRAL ¹ -----	58	21	684	239	51	11	515	104	5	7	64	58
Kentucky-----	21	4	73	37	19	4	64	29	2	-	16	27
Tennessee-----	34	5	297	79	29	2	219	28	3	2	36	25
Alabama-----	3	1	220	31	3	1	184	27	-	-	12	2
Mississippi-----	-	11	194	92	-	4	148	20	-	5	-	4
WEST SOUTH CENTRAL-----	32	22	965	538	18	12	636	336	13	10	156	96
Arkansas-----	10	1	249	18	7	1	199	16	3	-	1	-
Louisiana-----	7	1	119	62	4	-	85	40	3	1	-	1
Oklahoma-----	6	2	135	51	5	1	77	18	-	1	-	-
Texas-----	9	18	462	407	2	10	275	262	7	8	155	95
MOUNTAIN-----	4	8	156	151	2	5	89	74	1	2	131	188
Montana-----	-	3	7	59	-	1	2	39	-	2	12	92
Idaho-----	-	-	5	11	-	-	-	-	-	-	24	9
Wyoming-----	-	-	2	4	-	-	1	1	-	-	1	5
Colorado-----	1	2	20	17	1	2	14	13	-	-	10	33
New Mexico-----	1	-	37	24	1	-	22	9	-	-	15	17
Arizona-----	1	1	72	22	-	1	45	8	-	-	6	15
Utah-----	-	2	8	10	-	1	2	3	-	-	63	15
Nevada-----	1	-	5	4	-	-	3	1	1	1	-	2
PACIFIC-----	40	12	591	253	37	12	509	166	3	-	157	166
Alaska-----	-	-	13	(2)	-	-	8	(1)	-	-	34	(16)
Washington-----	13	-	133	17	13	-	133	3	-	-	43	33
Oregon-----	10	-	122	33	8	-	95	21	2	-	28	29
California-----	17	12	323	203	16	12	273	142	1	-	52	104
Hawaii-----	-	2	5	67	-	2	5	67	-	-	17	3
Puerto Rico-----	1	-	4	52	-	-	3	49	1	-	4	65

¹Data exclude report from Mississippi for the current week.

²Includes 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 OCTOBER 4, 1958, AND OCTOBER 3, 1959—Continued

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

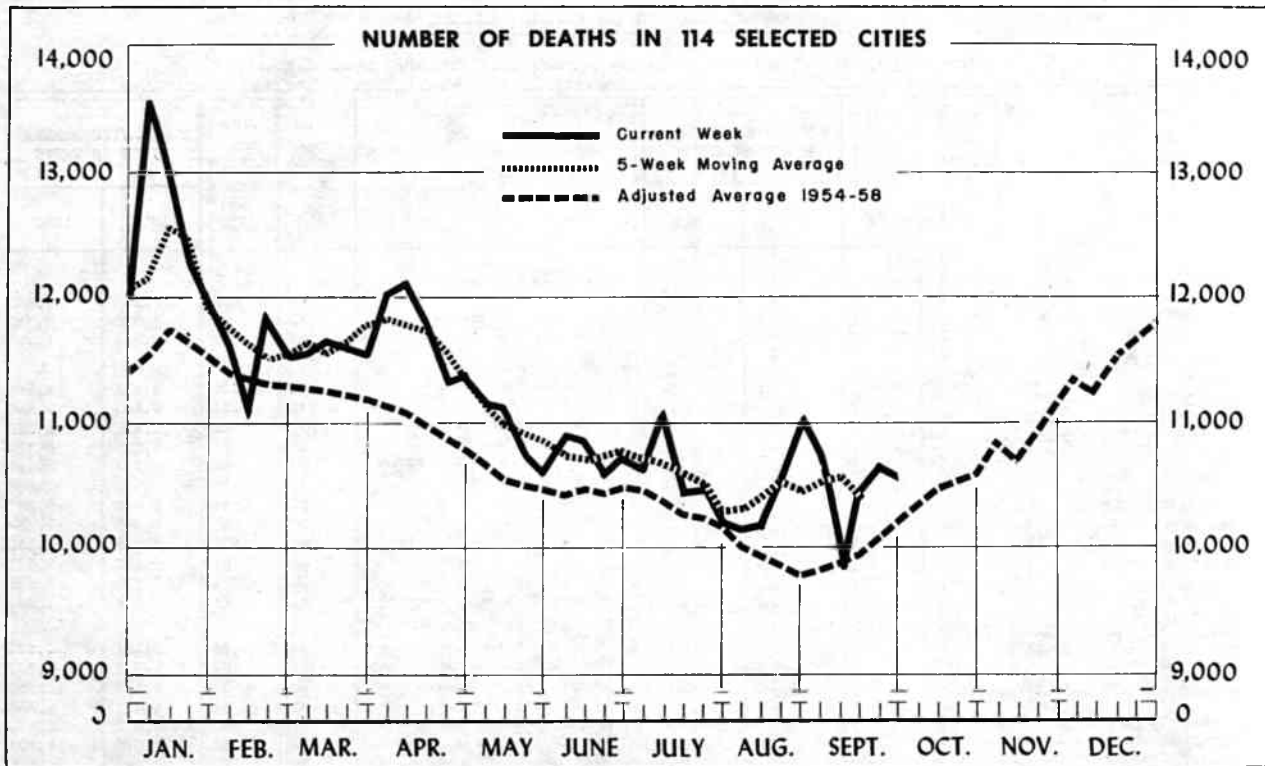
AREA	MALARIA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	110-117	057		340	096.2	39th week		Cumulative first 39 weeks		101	1959	1958
	1959	1959	1958	1959	1959	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES ¹ -----	1	50	44	151	3	40	33	633	806	2	87	47
NEW ENGLAND-----	-	4	-	5	-	-	1	14	16	-	-	-
Maine-----	-	1	-	-	-	-	-	2	1	-	-	-
New Hampshire-----	-	1	-	-	-	-	-	-	1	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	2	-	4	-	-	1	5	8	-	-	-
Rhode Island-----	-	-	-	1	-	-	-	2	1	-	-	-
Connecticut-----	-	-	-	-	-	-	-	5	5	-	-	-
MIDDLE ATLANTIC-----	-	6	5	7	-	5	3	62	92	-	29	3
New York-----	-	6	1	4	-	4	2	28	29	-	26	2
New Jersey-----	-	-	-	3 ³	-	-	1	10	18	-	-	-
Pennsylvania-----	-	-	4	-	-	1	-	24	45	-	3	1
EAST NORTH CENTRAL-----	-	13	20	53	-	2	4	80	89	-	7	7
Ohio-----	-	2	1	33	-	1	2	42	33	-	3	-
Indiana-----	-	-	1	8	-	-	-	11	15	-	2	3
Illinois-----	-	1	5	9	-	1	1	16	21	-	-	-
Michigan-----	-	9	9	3	-	-	-	8	11	-	2	-
Wisconsin-----	-	1	4	-	-	-	1	3	9	-	-	4
WEST NORTH CENTRAL-----	-	2	9	-	1	1	2	41	65	-	20	18
Minnesota-----	-	-	-	-	1	-	-	1	3	-	3	11
Iowa-----	-	2	-	-	-	-	-	7	12	-	3	2
Missouri-----	-	-	1	-	-	-	1	14	31	-	2	1
North Dakota-----	-	-	4	-	-	1	-	5	2	-	2	-
South Dakota-----	-	-	1	-	-	-	-	3	7	-	8	4
Nebraska-----	-	-	1	-	-	-	-	4	2	-	-	-
Kansas-----	-	-	2	-	-	-	1	7	8	-	2	-
SOUTH ATLANTIC-----	-	3	5	24	-	11	6	115	139	2	10	7
Delaware-----	-	-	-	-	-	-	-	-	5	-	-	-
Maryland-----	-	-	-	1	-	1	-	5	6	-	-	-
District of Columbia-----	-	-	-	2	-	-	-	4	6	-	-	-
Virginia-----	-	-	3	9	-	6	-	23	29	-	5	-
West Virginia-----	-	-	1	3	-	-	1	11	18	-	3	2
North Carolina-----	-	1	-	-	-	-	2	11	17	-	-	1
South Carolina-----	-	1	-	-	-	1	-	11	9	-	-	-
Georgia-----	-	-	1	-	-	2	2	26	28	-	2	3
Florida-----	-	1	-	4 ⁹	-	1	1	24	21	2	-	1
EAST SOUTH CENTRAL ¹ -----	-	3	2	11	-	6	1	88	93	-	8	6
Kentucky-----	-	1	-	9	-	1	-	16	26	-	1	6
Tennessee-----	-	-	1	2	-	2	-	45	28	-	1	-
Alabama-----	-	2	1	-	-	3	-	11	15	-	6	-
Mississippi-----	-	-	-	-	-	-	1	16	24	-	-	-
WEST SOUTH CENTRAL-----	-	2	1	10	1	9	8	130	194	-	10	4
Arkansas-----	-	-	-	3	-	2	-	26	24	-	1	2
Louisiana-----	-	1	-	-	-	2	2	16	69	-	1	-
Oklahoma-----	-	-	-	1	-	1	-	16	8	-	-	-
Texas-----	-	1	1	6	1	4	6	72	93	-	8	2
MOUNTAIN-----	-	12	1	6	-	3	1	33	57	-	-	-
Montana-----	-	1	-	1	-	-	-	2	3	-	-	-
Idaho-----	-	-	-	-	-	-	-	4	6	-	-	-
Wyoming-----	-	11	-	-	-	2	-	5	3	-	-	-
Colorado-----	-	-	1	1	-	-	-	4	8	-	-	-
New Mexico-----	-	-	-	1	-	-	-	12	20	-	-	-
Arizona-----	-	-	-	3	-	1	1	6	9	-	-	-
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	8	-	-	-
PACIFIC-----	1	5	1	35	1	3	7	70	61	-	3	2
Alaska-----	-	2	-	-	-	-	-	4	-	-	-	-
Washington-----	-	-	-	2	-	-	-	2	3	-	-	-
Oregon-----	-	1	-	-	-	-	1	7	10	-	-	-
California-----	1	2	1	3 ³³	1	3	6	57	48	-	3	2
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	-	14	-	-	3	-

¹Data exclude report from Mississippi for the current week.

³Aseptic meningitis.

⁴Includes 8 cases of aseptic meningitis.

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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, 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	39th week ended Oct. 3, 1959	38th week ended Sept. 26, 1959	Adjusted average, 39th week 1954-58	Percent change, adjusted average to current week ¹	CUMULATIVE NUMBER FIRST 39 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	² 10,551	² 10,682	10,175	+3.7	² 435,307	431,438	+0.9
New England----- (14 cities)	² 645	² 705	663	-2.7	² 27,559	27,276	+1.0
Middle Atlantic----- (20 cities)	² 3,085	3,109	2,983	+3.4	² 126,157	124,374	+1.4
East North Central----- (19 cities)	² 2,188	2,257	2,223	-1.6	² 93,075	91,934	+1.2
West North Central----- (9 cities)	² 725	779	712	+1.8	² 30,228	30,432	-0.7
South Atlantic----- (11 cities)	893	865	830	+7.6	37,387	37,488	-0.3
East South Central----- (8 cities)	565	501	463	+22.0	19,915	20,168	-1.3
West South Central----- (13 cities)	839	988	811	+3.5	36,560	36,780	-0.6
Mountain----- (8 cities)	296	271	249	+18.9	12,148	11,505	+5.6
Pacific----- (12 cities)	1,315	² 1,207	1,251	+8.9	² 52,278	51,481	+1.5

¹Adjusted average used as base.

²Includes estimates for missing cities.

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Table 4. DEATHS IN SELECTED CITIES

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

AREA	39th week ended Oct. 3, 1959	38th week ended Sept. 26, 1959	CUMULATIVE NUMBER FIRST 39 WEEKS		AREA	39th week ended Oct. 3, 1959	38th week ended Sept. 26, 1959	CUMULATIVE NUMBER FIRST 39 WEEKS	
			1959	1958				1959	1958
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	228	246	9,410	9,385	St. Louis, Mo.-----	233	218	9,165	9,447
Bridgeport, Conn.-----	43	33	1,556	1,451	St. Paul, Minn.-----	73	56	2,528	2,783
Cambridge, Mass.-----	21	27	1,092	1,113	Wichita, Kans.-----	40	40	1,868	1,753
Fall River, Mass.-----	20	27	1,091	1,051	SOUTH ATLANTIC:				
Hartford, Conn.-----	42	48	1,904	1,950	Atlanta, Ga.-----	101	106	4,311	4,260
Lowell, Mass.-----	29	24	923	998	Baltimore, Md.-----	223	233	9,431	9,555
Lynn, Mass.-----	17	18	903	879	Charlotte, N. C.-----	31	22	1,419	1,365
New Bedford, Mass.-----	122	23	2,958	907	Jacksonville, Fla.-----	53	45	2,328	2,327
New Haven, Conn.-----	51	38	1,754	1,773	Miami, Fla.-----	67	54	2,711	2,795
Providence, R. I.-----	58	63	2,505	2,502	Norfolk, Va.-----	41	28	1,536	1,354
Somerville, Mass.-----	11	15	503	537	Richmond, Va.-----	60	81	3,049	2,937
Springfield, Mass.-----	32	49	1,735	1,646	Savannah, Ga.-----	33	26	1,285	1,274
Waterbury, Conn.-----	25	37	1,082	1,020	St. Petersburg, Fla.-----	(64)	(55)	(2,489)	(2,530)
Worcester, Mass.-----	46	57	2,163	2,064	Tampa, Fla.-----	68	51	2,422	2,573
MIDDLE ATLANTIC:					Washington, D. C.-----	175	193	7,522	7,586
Albany, N. Y.-----	41	35	2,028	1,912	Wilmington, Del.-----	41	26	1,473	1,462
Allentown, Pa.-----	32	32	1,343	1,257	EAST SOUTH CENTRAL:				
Buffalo, N. Y.-----	151	142	5,660	5,804	Birmingham, Ala.-----	78	84	3,191	3,402
Camden, N. J.-----	42	37	1,622	1,646	Chattanooga, Tenn.-----	31	57	1,773	1,873
Elizabeth, N. J.-----	33	21	1,151	1,154	Knoxville, Tenn.-----	15	32	1,127	1,056
Erie, Pa.-----	28	26	1,419	1,371	Louisville, Ky.-----	193	87	4,411	4,255
Jersey City, N. J.-----	75	67	2,885	2,706	Memphis, Tenn.-----	97	131	4,382	4,473
Newark, N. J.-----	104	116	3,894	3,689	Mobile, Ala.-----	52	38	1,520	1,491
New York City, N. Y.-----	1,531	1,583	64,625	62,768	Montgomery, Ala.-----	39	29	1,249	1,308
Paterson, N. J.-----	42	39	1,513	1,597	Nashville, Tenn.-----	60	43	2,262	2,310
Philadelphia, Pa.-----	494	475	19,284	19,619	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	1165	194	27,230	7,443	Austin, Tex.-----	37	49	1,245	1,279
Reading, Pa.-----	24	33	874	822	Baton Rouge, La.-----	42	14	1,066	1,095
Rochester, N. Y.-----	112	97	3,783	3,916	Corpus Christi, Tex.-----	16	21	812	822
Schenectady, N. Y.-----	12	26	967	864	Dallas, Tex.-----	101	144	4,601	4,490
Scranton, Pa.-----	132	27	21,423	1,343	El Paso, Tex.-----	28	27	1,426	1,400
Syracuse, N. Y.-----	70	71	2,462	2,410	Fort Worth, Tex.-----	66	53	2,456	2,361
Trenton, N. J.-----	48	31	1,679	1,838	Houston, Tex.-----	148	166	6,051	6,144
Utica, N. Y.-----	20	33	1,088	1,047	Little Rock, Ark.-----	39	82	2,118	2,096
Yonkers, N. Y.-----	29	24	1,227	1,168	New Orleans, La.-----	146	179	6,518	6,808
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	50	70	2,662	2,630
Akron, Ohio-----	59	60	2,292	2,207	San Antonio, Tex.-----	90	93	3,726	3,799
Canton, Ohio-----	34	24	1,303	1,209	Shreveport, La.-----	46	51	2,004	1,943
Chicago, Ill.-----	692	718	29,415	29,299	Tulsa, Okla.-----	30	39	1,875	1,913
Cincinnati, Ohio-----	1133	146	26,185	6,271	MOUNTAIN:				
Cleveland, Ohio-----	224	185	8,156	8,105	Albuquerque, N. Mex.-----	35	23	1,167	1,107
Columbus, Ohio-----	106	133	4,565	4,406	Colorado Springs, Colo.-----	21	15	604	570
Dayton, Ohio-----	54	72	2,615	2,801	Denver, Colo.-----	101	109	4,479	4,362
Detroit, Mich.-----	280	276	12,756	12,326	Ogden, Utah-----	12	10	603	567
Evansville, Ind.-----	37	33	1,436	1,498	Phoenix, Ariz.-----	51	40	1,974	1,740
Flint, Mich.-----	41	51	1,564	1,452	Pueblo, Colo.-----	12	13	538	504
Fort Wayne, Ind.-----	29	40	1,407	1,340	Salt Lake City, Utah-----	42	39	1,878	1,869
Gary, Ind.-----	24	19	1,152	1,236	Tucson, Ariz.-----	22	22	905	786
Grand Rapids, Mich.-----	31	39	1,637	1,577	PACIFIC:				
Indianapolis, Ind.-----	128	101	5,412	5,003	Berkeley, Calif.-----	19	16	662	724
Madison, Wis.-----	---	(28)	---	(1,263)	Fresno, Calif.-----	(32)	(43)	(1,553)	(1,504)
Milwaukee, Wis.-----	97	146	4,960	5,093	Glendale, Calif.-----	(30)	(32)	(1,407)	(1,291)
Peoria, Ill.-----	27	28	1,124	1,245	Long Beach, Calif.-----	58	50	2,150	2,136
Rockford, Ill.-----	(19)	(32)	(1,079)	(1,006)	Los Angeles, Calif.-----	452	431	18,741	18,785
South Bend, Ind.-----	33	25	1,076	1,018	Oakland, Calif.-----	84	79	3,535	3,615
Toledo, Ohio-----	103	99	3,923	3,824	Pasadena, Calif.-----	33	17	1,218	1,373
Youngstown, Ohio-----	56	62	2,097	2,024	Portland, Oreg.-----	100	87	4,286	3,854
WEST NORTH CENTRAL:					Sacramento, Calif.-----	53	48	2,141	2,017
Des Moines, Iowa-----	55	68	2,093	2,112	San Diego, Calif.-----	88	73	3,181	3,180
Duluth, Minn.-----	26	23	963	969	San Francisco, Calif.-----	176	197	7,579	7,343
Kansas City, Kans.-----	129	49	21,388	1,063	San Jose, Calif.-----	(27)	(26)	(986)	(881)
Kansas City, Mo.-----	102	135	4,667	4,713	Seattle, Wash.-----	151	143	5,254	5,190
Lincoln, Nebr.-----	---	(26)	---	(977)	Spokane, Wash.-----	62	30	1,936	1,757
Minneapolis, Minn.-----	100	124	4,795	4,873	Tacoma, Wash.-----	39	136	21,595	1,507
Omaha, Nebr.-----	67	66	2,761	2,719	Honolulu, Hawaii-----	(37)	(38)	(1,483)	(1,428)

¹Estimated.

²Includes estimate for current week.

³Includes estimate for previous week.

EPIDEMIOLOGICAL REPORTS—Continued

Shelby Johnson, Kentucky State Department of Health, reported an outbreak of food poisoning related to whipped oleomargarine. Eight members of a family became ill with nausea and vomiting about 2½ hours after eating breakfast. *Escherichia coli*, enterococci, and coagulase-positive, gram-positive cocci with cultural characteristics of hemolytic and nonhemolytic staphylococci were isolated from samples of the whipped oleomargarine. A previous report of an outbreak, occurring in Kentucky about the same time, due to staphylococcal contamination of whipped oleomargarine appeared in the Morbidity and Mortality Weekly Report dated August 28 for the week ended August 22.

QUARANTINE MEASURES

Immunization Information for International Travel
Public Health Service Publication No. 384 (1959)

Changes Reported

Asia.—Israel (p. 41). Smallpox vaccination is required of all arrivals except from European countries, Canada, and the United States. This exemption is extended to travelers who have been resident for more than 14 days in the countries mentioned above immediately before arrival in Israel, provided these countries are free from smallpox. All other information remains the same.

Asia.—Saudi Arabia (p. 45). Cholera vaccination is required of all arrivals from infected areas (2 injections). Certificate required during Mecca pilgrimage. All other information remains the same.

Asia.—Union of Soviet Socialist Republics (p. 46). Cholera vaccination is required of all arrivals from Burma, East Pakistan, India, and Thailand. All other information remains the same.

Europe.—Union of Soviet Socialist Republics (p. 51). Cholera vaccination is required of all arrivals from Burma, East Pakistan, India, and Thailand. All other information remains the same.

Page 62 - The telephone number and extension of the Yellow Fever Vaccination Center located at the Duke Hospital, Student Health Office, Durham, North Carolina should be corrected to read:

Durham 9011, ext. 3373.

All other information remains the same.

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, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted below table 1.

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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--	()

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