

Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 10, 1959

A total of 320 cases of poliomyelitis was reported for the week ended October 10. Of these, 229 were paralytic and 72 nonparalytic. For the previous week the revised total was 394, of which 280 were paralytic cases. For the week ended October 11, 1958, the total was 319, including 158 paralytic cases. The number of paralytic cases for the current week is about 18 percent less than reported for the previous week and is about 31 percent less than the revised figure of 333 cases for the week ended September 19.

The decrease in paralytic cases was most evident in the East South Central Division, where both Kentucky and Tennessee reported small numbers—4 and 11 cases respectively, compared to 19 and 29 for the previous week. In the Middle Atlantic Division, New York reported 15 cases and Pennsylvania 2, compared with the 22 and 15 cases for the previous week. Other States reporting smaller figures included Massachusetts, Michigan, Washington, and California.

There was an increase in paralytic cases reported in the South Atlantic Division, where Virginia (10 cases), West Virginia (12), and North Carolina (16) reported increases ranging from 4 to 6 cases. Fourteen cases were reported in Maine, compared with 4 for the previous week, and 10 cases in Texas, compared with 2 for the previous week.

Nine of the 12 cases reported in West Virginia occurred in Kanawha County. Tennessee reported that 9 of the total of 14 cases had onset prior to September 27. In California 5 of 12 paralytic cases occurred in San Diego County. In North Carolina 9 of the 16 cases reported had onset during the last half of September and 2 in October.

The Iowa State Department of Health reports that the peak week for poliomyelitis in Polk County was the week ended July 4, when 20 cases were reported. Sixty cases were reported in the county during the 4-week period from the week ended

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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)	40th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Oct. 10, 1959 ¹	Ended Oct. 11, 1958	Median 1954-58	First 40 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	-	-	-	13	3	6	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	17	16	23	588	638	826	(2)	(2)	(2)	(2)
Diphtheria-----055	16	18	32	593	523	1,046	205	201	311	July 1
Encephalitis, infectious-----082	87	67	64	1,684	1,812	1,518	1,103	1,218	962	June 1
Hepatitis, infectious, and serum-----092, #998.5 pt.	350	261	295	17,081	11,749	15,152	2,303	1,668	1,668	Sept. 1
Malaria-----110-117	1	2	8	64	53	202	(2)	(2)	(2)	(2)
Measles-----085	930	1,581	1,109	367,820	712,146	564,278	5,535	7,402	5,550	Sept. 1
Meningococcal infections-----057	44	47	47	1,773	2,030	2,070	209	310	250	Sept. 1
Meningitis, other-----340	152	112	---	4,095	3,199	---	---	---	---	---
Poliomyelitis-----080	320	319	400	6,758	4,348	13,060	6,470	4,161	12,081	Apr. 1
Paralytic-----080.0, 080.1	229	158	161	4,245	2,089	5,584	4,058	1,986	5,053	Apr. 1
Nonparalytic-----080.2	72	116	170	1,890	1,626	5,127	1,845	1,567	4,865	Apr. 1
Unspecified-----080.3	19	45	69	603	633	2,349	567	608	2,163	Apr. 1
Psittacosis-----096.2	1	3	3	87	120	(2)	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	4	2	4	(2)	(2)	(2)	(2)
Typhoid fever-----040	26	23	30	657	829	1,359	533	663	1,069	Apr. 1
Typhus fever, endemic-----101	1	2	2	38	62	100	32	51	76	Apr. 1
Rabies in animals-----	71	58	59	3,017	3,692	3,784	158	105	132	Oct. 1

¹Data exclude reports from Montana and Wyoming for the current week.

²Data show no pronounced seasonal change in incidence.

³Includes 20 cases of aseptic meningitis; see footnotes to table 2.

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June 20 to July 11. Twenty-five cases were reported in other parts of the State during this period. The peak week for the State, exclusive of Polk County, was the week ended September 12, when 32 cases were reported. During the period August 15 to September 12, a total of 159 cases was reported, of which 44 were in Polk County. The highest rates of incidence, other than in Polk County, have been in counties adjacent to Polk County and in the north central part of the State. Nine deaths have been officially reported. Only 1 of these persons had received the full series of poliomyelitis vaccine, and that was 3 years ago. The ages of the victims ranged from 4 to 39 years, 3 being under 10 years of age and 2 in each of the age groups 10 to 19, 20 to 29, and 30 to 39 years.

Dr. I. F. Gratch, Pennsylvania Department of Health, reports that laboratory confirmation has been obtained for 23 of the 129 cases of poliomyelitis reported through the week ended October 3. Type I poliovirus was isolated from specimens from 12 persons and type III from 7 individuals. Positive serology tests were obtained for 4 individuals—1 type I, 2 type II, and 1 type III. It was reported that of 92 paralytic cases, 24 have been in children under 5 years of age, and 33 in children in the age group 5 to 9 years. There were only 7 cases in the age group 10 to 14 years, but there were 11 in the age group 15 to 19 years. Twenty-four of the 92 cases were in persons who had received 3 or more doses of vaccine. Forty-nine persons had received none.

In North Carolina 60 percent of the 161 paralytic cases reported by October 3 were in the age group under 5 years and 32 in the age group 5 to 9 years. There have been 15 deaths reported. The attack rates per 100,000 population, based on 275 days of exposure during 1959, are 4.7 for the white population and 8.9 for the nonwhite population. This makes a total rate of 5.8 for the State. Counties with the highest rates are as follows: Bladen (45.5—110.5 among Negroes), Cumberland (26.6), Robeson (23.0), Duplin (18.8), Edgecombe (17.2), Craven (16.8), Onslow (14.4), and Wake (14.0).

EPIDEMIOLOGICAL REPORTS

Eastern equine encephalitis

No new human cases of eastern equine encephalitis were reported in New Jersey in the past week. However, one more death has occurred among cases previously reported, raising the total to 20.

The Massachusetts Department of Public Health reports the isolation of EEE virus during the last week of September from 4 pheasants in the northeastern part of the State.

Disease of unknown etiology

The Washington Weekly Communicable Disease Report for the week ended October 3 states that during the past several weeks many cases of a relatively mild illness, presenting a variety of clinical manifestations, have been occurring in some of the communities in the Puget Sound area. The clinical picture varies. Some individuals are suffering from gastrointestinal irritation (vomiting and diarrhea); in some the dermal manifestations (herpetiform lesions) are outstanding; and in others respiratory symptoms are notable. The illnesses may be due to a variety of etiologic agents but none have yet been identified.

Aseptic meningitis

Dr. James R. Enright, Hawaii Department of Health, reported that ECHO 4 virus has been isolated from a stool

specimen of a person ill with aseptic meningitis. The patient's brother had had a respiratory disease with a roseoliform rash a week prior to the onset of the patient's illness, but no specimens were obtained. There is no connection between this case and the 2 reported for the week ended September 26.

Animal rabies

The West Virginia State Department of Health reported that the first case of bat rabies in that State was confirmed in August by animal inoculation tests. A 7-year-old boy was bitten when he picked up the bat after it had fallen into a swimming pool. The bat was confined and died the following day. The boy was given antirabies treatment.

The Nebraska Morbidity Report for the month of August stated that laboratory tests proved that 2 bats found in different counties were rabid. One was a little brown bat, Myotis lucifugus, which was found unable to fly, and saliva was seen running from its mouth. Microscopic examination did not reveal Negri bodies, but mouse inoculation tests were positive for rabies. No one was bitten or scratched by this bat. A red bat, Lasiurus borealis, was found in a yard by a 9-year-old girl. In attempting to handle it, the girl was bitten. This bat was finally captured by throwing a coat over it. Microscopic examination revealed Negri bodies, and mouse inoculation tests confirmed these findings.

Botulism

The Alaska Department of Health and Welfare reported several cases of botulism resulting in 2 deaths. One case occurred in southeastern Alaska and was attributed to the toxin of Clostridium botulinum, type E. The patient had eaten fish-egg cheese, or "stink eggs," which were prepared by placing salmon eggs collected at a local cannery into a fruit jar. The eggs were allowed to ripen behind a cook stove from 5 to 7 days, and then the jar was sealed and stored. The other cases occurred in western Alaska and were attributed to the ingestion of seal or whale flipper and skin preserved under seal oil.

Food poisoning due to Clostridium perfringens

The California Surveillance Report, dated October 9, stated that the Berkeley City Health Department has reported a food poisoning outbreak due to Clostridium perfringens. This is the first time this organism has been known to be associated with food poisoning in California. Of 40 persons who attended a reunion dinner in a private home, 21 reported being ill. The onset of illness occurred from 8 to 12 hours after the meal. The symptoms were mild, usually abdominal cramps and diarrhea, with no vomiting or fever. The food served at the dinner was purchased from a commercial caterer, then taken to the home of the hostess, and eaten without refrigeration or adequate reheating. Samples of food were examined and Cl. perfringens was isolated from the roast beef. All those who became ill had eaten roast beef.

Staphylococcal food poisoning

A. W. Westfall, Tri County Health Department, Oregon, supplied information on 15 cases of food poisoning among a group of 21 boys and 4 adults. The group ate lunch in a restaurant, then attended a rodeo at which various soft drinks and candy were served. Symptoms of abdominal pain, nausea, vomiting, dizziness, weakness, prostration, and diarrhea began from 1½ to 8½ hours after the lunch. The food item most highly correlated with the illness was the soda pop consumed at the

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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 11, 1958, AND OCTOBER 10, 1959

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)¹

AREA	BRUCELLOSIS (undulant fever)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		40th week		Cumulative first 40 weeks		082		40th week		Cumulative first 40 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES ¹ -----	17	16	16	18	593	523	87	67	350	261	17,061	11,749
NEW ENGLAND-----	-	-	-	-	5	6	3	7	14	13	553	446
Maine-----	-	-	-	-	-	-	-	-	-	3	85	59
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	15	2
Vermont-----	-	-	-	-	-	-	-	-	-	1	23	19
Massachusetts-----	-	-	-	-	5	5	1	-	12	7	266	220
Rhode Island-----	-	-	-	-	-	-	1	6	2	-	57	55
Connecticut-----	-	-	-	-	-	1	1	1	-	2	107	91
MIDDLE ATLANTIC-----	2	1	-	-	46	34	17	10	61	73	2,556	1,585
New York-----	2	1	-	-	24	16	12	8	36	55	1,507	1,061
New Jersey-----	-	-	-	-	9	2	3	-	9	6	281	131
Pennsylvania-----	-	-	-	-	13	16	2	2	16	12	768	373
EAST NORTH CENTRAL-----	-	6	-	-	27	32	14	18	47	33	2,708	2,047
Ohio-----	-	-	-	-	9	7	9	5	8	14	794	642
Indiana-----	-	-	-	-	4	13	1	9	5	1	249	183
Illinois-----	-	5	-	-	9	6	2	2	18	6	594	494
Michigan-----	-	-	-	-	3	5	2	-	12	7	804	553
Wisconsin-----	-	1	-	-	2	1	-	2	4	5	167	175
WEST NORTH CENTRAL-----	7	7	2	3	45	81	6	15	10	21	1,338	985
Minnesota-----	-	-	2	-	20	31	-	-	3	1	327	135
Iowa-----	5	1	-	-	3	13	1	1	-	1	120	178
Missouri-----	-	-	-	-	5	14	-	-	4	6	367	193
North Dakota-----	-	-	-	-	2	3	2	2	3	5	266	173
South Dakota-----	1	-	-	3	3	8	-	-	-	-	45	14
Nebraska-----	1	-	-	-	12	10	1	1	-	1	64	68
Kansas-----	-	6	-	-	-	2	2	11	-	7	149	224
SOUTH ATLANTIC-----	6	-	10	10	174	155	16	2	39	18	1,514	872
Delaware-----	-	-	-	-	-	-	-	-	1	-	90	42
Maryland-----	-	-	-	-	7	3	9	-	4	3	331	103
District of Columbia-----	-	-	-	1	-	2	-	-	-	1	15	15
Virginia-----	5	-	-	2	12	17	2	-	17	6	372	227
West Virginia-----	-	-	-	-	2	9	-	-	-	-	248	124
North Carolina-----	-	-	1	-	17	16	3	1	4	-	91	45
South Carolina-----	-	-	-	1	22	26	-	-	1	-	36	37
Georgia-----	1	-	5	4	55	52	-	1	2	1	112	87
Florida-----	-	-	4	2	59	30	2	-	10	7	219	192
EAST SOUTH CENTRAL-----	1	2	2	1	70	48	10	1	50	9	1,585	1,009
Kentucky-----	1	1	-	-	9	4	-	-	21	4	737	489
Tennessee-----	-	1	-	-	7	5	10	1	18	4	374	270
Alabama-----	-	-	1	-	17	21	-	-	10	-	338	183
Mississippi-----	-	-	-	1	37	18	-	-	1	1	136	67
WEST SOUTH CENTRAL-----	-	-	1	3	194	124	14	1	31	9	1,376	926
Arkansas-----	-	-	-	-	34	16	1	-	-	1	72	90
Louisiana-----	-	-	1	2	51	45	-	-	1	-	102	10
Oklahoma-----	-	-	-	-	2	22	-	-	3	1	188	122
Texas-----	-	-	-	1	107	41	13	1	27	7	1,014	704
MOUNTAIN ¹ -----	1	-	-	-	18	31	1	4	33	43	2,263	1,577
Montana-----	-	-	-	-	1	8	-	-	-	16	1,203	316
Idaho-----	-	-	-	-	-	1	-	-	6	-	269	155
Wyoming-----	-	-	-	-	1	2	-	-	-	-	149	8
Colorado-----	1	-	-	-	7	7	-	2	10	6	694	197
New Mexico-----	-	-	-	-	8	10	-	2	1	9	421	270
Arizona-----	-	-	-	-	2	3	-	-	7	6	445	384
Utah-----	-	-	-	-	-	-	1	-	9	-	161	147
Nevada-----	-	-	-	-	1	-	-	-	-	-	21	100
PACIFIC-----	-	-	1	1	14	12	6	9	65	42	3,188	2,302
Alaska-----	-	-	-	-	5	-	-	-	2	(1)	65	(68)
Washington-----	-	-	-	-	-	-	-	-	9	14	431	377
Oregon-----	-	-	1	-	4	7	-	-	16	13	652	350
California-----	-	-	-	1	5	5	6	9	38	15	2,040	1,575
Hawaii-----	-	-	-	-	2	-	-	-	2	-	42	56
Puerto Rico-----	-	-	-	4	23	42	-	-	2	7	229	125

¹Data exclude reports from Montana and 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 OCTOBER 11, 1958, AND OCTOBER 10, 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	
	40th week		Cumulative first 40 weeks		40th week		Cumulative first 40 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES ¹ -----	320	319	6,738	4,348	229	158	4,245	2,089	72	116	930	1,581
NEW ENGLAND-----	24	5	279	79	21	5	207	45	1	-	95	94
Maine-----	14	-	46	2	14	-	46	2	-	-	6	21
New Hampshire-----	-	-	4	4	-	-	3	-	-	-	56	-
Vermont-----	-	-	2	5	-	-	2	4	-	-	4	11
Massachusetts-----	7	2	119	28	4	2	84	12	1	-	25	15
Rhode Island-----	-	-	6	3	-	-	4	3	-	-	2	1
Connecticut-----	3	3	102	37	3	3	68	24	-	-	2	46
MIDDLE ATLANTIC-----	30	40	575	546	24	21	351	290	3	10	77	261
New York-----	20	16	329	217	15	11	185	132	2	3	48	62
New Jersey-----	8	17	115	246	7	7	72	95	1	3	15	26
Pennsylvania-----	2	7	131	83	2	3	94	63	-	4	14	173
EAST NORTH CENTRAL-----	53	139	1,002	1,566	25	56	402	573	21	73	258	232
Ohio-----	12	19	227	271	6	8	99	78	4	4	22	34
Indiana-----	6	9	131	96	3	7	73	46	2	-	10	27
Illinois-----	19	10	230	184	9	3	107	56	7	7	54	26
Michigan-----	14	98	376	967	6	36	102	377	8	61	76	75
Wisconsin-----	2	3	38	48	1	2	21	16	-	1	96	70
WEST NORTH CENTRAL-----	55	28	1,348	281	37	17	681	129	14	6	51	87
Minnesota-----	15	4	195	23	14	3	156	16	1	1	10	2
Iowa-----	16	-	415	58	9	-	171	17	4	-	1	26
Missouri-----	14	15	410	101	9	14	226	66	4	-	1	11
North Dakota-----	-	3	12	39	-	-	6	22	-	2	39	44
South Dakota-----	-	-	13	7	-	-	-	1	-	-	-	-
Nebraska-----	7	3	128	25	2	-	66	3	5	3	-	4
Kansas-----	3	3	175	28	3	-	56	4	-	-	(*)	(*)
SOUTH ATLANTIC-----	51	47	1,029	635	50	24	781	337	-	13	23	320
Delaware-----	-	1	8	17	-	1	7	10	-	-	1	4
Maryland-----	4	1	27	13	4	1	26	11	-	-	7	5
District of Columbia-----	-	-	6	5	-	-	5	3	-	-	-	-
Virginia-----	10	12	258	111	10	10	198	89	-	2	6	42
West Virginia-----	12	17	151	150	12	5	121	92	-	8	7	193
North Carolina-----	16	-	214	82	16	-	178	29	-	-	-	2
South Carolina-----	3	1	71	19	3	-	38	10	-	1	2	6
Georgia-----	3	3	131	40	3	-	100	22	-	-	-	48
Florida-----	3	12	163	198	2	7	108	71	-	2	-	20
EAST SOUTH CENTRAL-----	25	16	710	255	20	10	536	114	5	5	33	128
Kentucky-----	6	4	79	41	4	2	68	31	2	2	8	39
Tennessee-----	14	8	311	87	11	6	230	34	3	1	25	70
Alabama-----	4	1	224	32	4	-	188	27	-	1	-	5
Mississippi-----	1	3	96	95	1	2	50	22	-	1	-	14
WEST SOUTH CENTRAL-----	43	20	1,008	558	19	14	655	350	23	6	119	158
Arkansas-----	21	-	270	18	8	-	207	16	13	-	-	-
Louisiana-----	4	4	123	66	-	4	85	44	4	-	-	-
Oklahoma-----	2	-	137	51	1	-	78	18	-	-	4	1
Texas-----	16	16	478	423	10	10	285	272	6	6	115	157
MOUNTAIN ¹ -----	6	6	162	157	4	3	93	77	1	2	75	192
Montana-----	-	1	17	60	-	-	12	40	-	-	-	72
Idaho-----	1	-	6	11	-	-	-	-	-	-	14	5
Wyoming-----	-	1	12	5	-	-	11	1	-	-	-	-
Colorado-----	2	1	22	18	1	-	15	13	1	1	16	69
New Mexico-----	-	1	37	25	-	1	22	10	-	-	13	15
Arizona-----	3	2	75	24	3	1	48	9	-	1	8	13
Utah-----	-	-	8	10	-	-	2	3	-	-	24	15
Nevada-----	-	-	5	4	-	-	3	1	-	-	-	3
PACIFIC-----	33	18	625	271	29	8	539	174	4	1	199	109
Alaska-----	5	-	18	(2)	4	-	12	(1)	1	-	54	(28)
Washington-----	7	9	141	26	7	-	141	3	-	-	42	22
Oregon-----	8	-	130	33	6	-	101	21	2	-	40	36
California-----	13	9	336	212	12	8	285	150	1	1	63	51
Hawaii-----	-	2	5	69	-	2	5	69	-	-	23	7
Puerto Rico-----	-	-	4	52	-	-	3	49	-	-	12	60

¹Data exclude reports from Montana and Wyoming 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 11, 1958, AND OCTOBER 10, 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	40th week		Cumulative first 40 weeks		101		
	1959	1959	1958	1959	1959	1959	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES ¹ -----	1	44	47	152		1	26	23	657	829	1	71	58
NEW ENGLAND-----	1	2	5	8	-	-	1	-	15	16	-	-	-
Maine-----	-	1	-	-	-	-	-	-	2	1	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	1	-	-	-
Vermont-----	-	-	-	1	-	-	-	-	-	1	-	-	-
Massachusetts-----	1	1	2	4	-	-	-	-	5	8	-	-	-
Rhode Island-----	-	-	1	3	-	-	1	-	3	1	-	-	-
Connecticut-----	-	-	2	-	-	-	-	-	5	5	-	-	-
MIDDLE ATLANTIC-----	-	8	6	6	1	4	-	64	92	-	-	25	3
New York-----	-	6	2	-	1	2	-	30	29	-	-	25	3
New Jersey-----	-	-	2	3	-	-	-	10	18	-	-	-	-
Pennsylvania-----	-	2	2	-	-	2	-	24	45	-	-	-	-
EAST NORTH CENTRAL-----	-	10	6	54	-	3	3	83	92	-	-	4	8
Ohio-----	-	2	-	24	-	1	2	43	35	-	-	1	-
Indiana-----	-	1	1	9	-	1	-	12	15	-	-	-	5
Illinois-----	-	1	-	19	-	-	1	16	22	-	-	-	-
Michigan-----	-	6	5	1	-	-	-	8	11	-	-	1	1
Wisconsin-----	-	-	-	31	-	1	-	4	9	-	-	2	2
WEST NORTH CENTRAL-----	-	3	9	4	-	1	4	42	69	-	-	10	15
Minnesota-----	-	-	1	-	-	-	-	1	3	-	-	2	7
Iowa-----	-	-	-	43	-	-	2	7	14	-	-	5	3
Missouri-----	-	1	-	-	-	1	1	15	32	-	-	2	4
North Dakota-----	-	1	2	-	-	-	-	5	2	-	-	-	-
South Dakota-----	-	-	1	-	-	-	-	3	7	-	-	-	-
Nebraska-----	-	1	3	-	-	-	-	4	2	-	-	1	1
Kansas-----	-	-	2	1	-	-	1	7	9	-	-	-	-
SOUTH ATLANTIC-----	-	4	8	52	-	2	4	117	143	-	-	13	4
Delaware-----	-	-	-	-	-	-	-	-	5	-	-	-	-
Maryland-----	-	2	-	-	-	-	1	5	7	-	-	-	-
District of Columbia-----	-	-	-	6	-	-	-	4	6	-	-	-	-
Virginia-----	-	2	3	34	-	-	2	23	31	-	-	5	3
West Virginia-----	-	-	1	5	-	1	-	12	18	-	-	3	-
North Carolina-----	-	-	2	-	-	-	-	11	17	-	-	1	-
South Carolina-----	-	-	-	-	-	-	-	11	9	-	-	-	1
Georgia-----	-	-	-	1	-	1	1	27	29	-	-	2	-
Florida-----	-	-	2	56	-	-	-	24	21	-	-	2	-
EAST SOUTH CENTRAL-----	-	-	3	14	-	2	6	90	99	-	-	8	16
Kentucky-----	-	-	-	5	-	1	1	16	27	-	-	3	5
Tennessee-----	-	-	1	5	-	2	2	47	30	-	-	2	1
Alabama-----	-	-	1	-	-	-	-	11	15	-	-	3	10
Mississippi-----	-	-	1	4	-	-	3	16	27	-	-	-	-
WEST SOUTH CENTRAL-----	-	13	6	6	-	8	2	138	196	1	6	11	11
Arkansas-----	-	-	-	1	-	2	-	28	24	-	1	1	-
Louisiana-----	-	-	1	-	-	-	-	16	69	-	-	-	-
Oklahoma-----	-	-	-	5	-	-	-	16	8	-	-	-	-
Texas-----	-	13	5	-	-	6	2	78	95	1	5	10	-
MOUNTAIN ¹ -----	-	2	1	1	-	4	3	37	60	-	-	-	-
Montana-----	-	-	-	-	-	-	-	2	3	-	-	-	-
Idaho-----	-	-	-	-	-	-	-	4	6	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	5	3	-	-	-	-
Colorado-----	-	-	-	1	-	-	-	4	8	-	-	-	-
New Mexico-----	-	1	-	-	-	3	3	15	23	-	-	-	-
Arizona-----	-	1	-	-	-	-	-	6	9	-	-	-	-
Utah-----	-	-	-	-	-	1	-	1	-	-	-	-	-
Nevada-----	-	-	1	-	-	-	-	-	8	-	-	-	-
PACIFIC-----	-	2	3	7	-	1	1	71	62	-	-	5	1
Alaska-----	-	-	-	-	-	-	-	4	-	-	-	-	-
Washington-----	-	1	-	1	-	-	-	2	3	-	-	-	-
Oregon-----	-	-	-	-	-	-	-	7	10	-	-	-	-
California-----	-	1	3	56	-	1	1	58	49	-	-	5	1
Hawaii-----	-	-	1	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	3	14	-	-	-	-	-

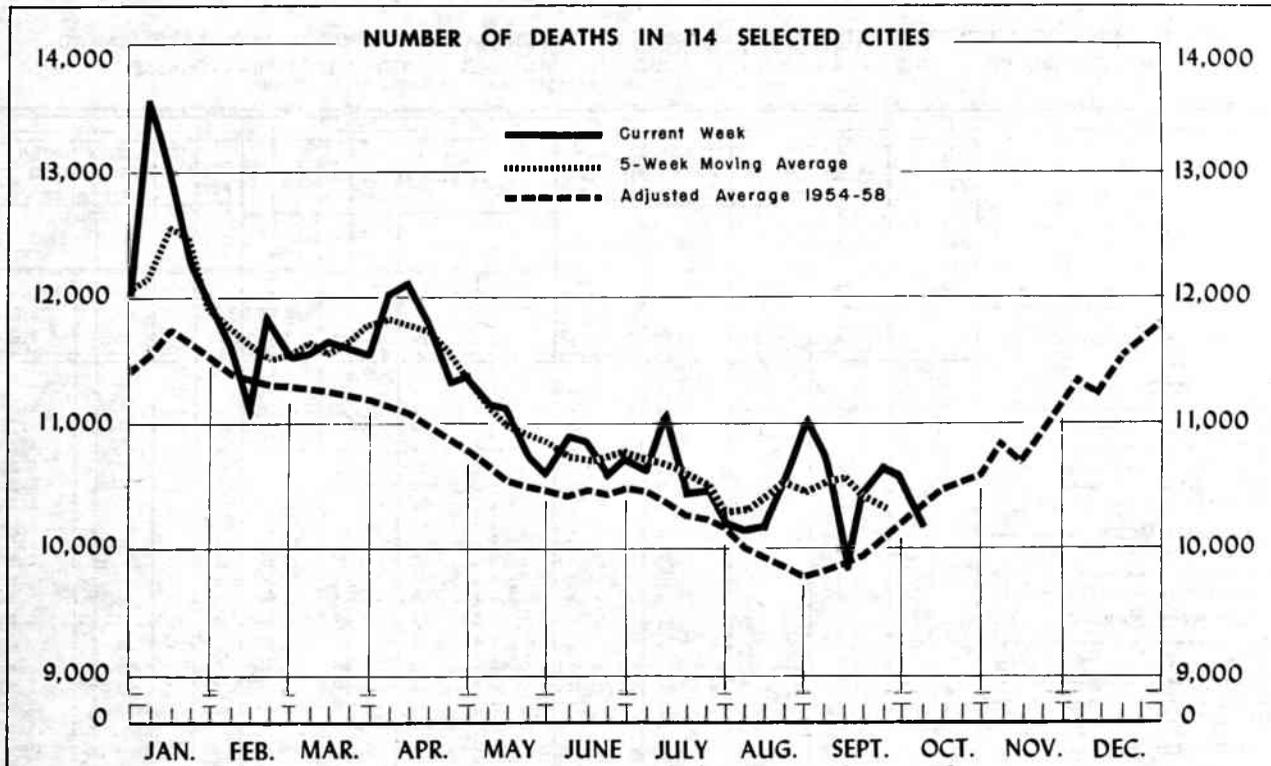
¹Data exclude reports from Montana and Wyoming for the current week.

²Aseptic meningitis.

³Includes 2 cases of aseptic meningitis.

⁴Includes 1 case 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	40th week ended Oct. 10, 1959	39th week ended Oct. 3, 1959	Adjusted average, 40th week 1954-58	Percent change, adjusted average to current week ¹	CUMULATIVE NUMBER FIRST 40 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	² 10,182	10,595	10,320	-1.3	² 445,539	442,019	+0.8
New England----- (14 cities)	671	644	676	-0.7	28,225	27,923	+1.1
Middle Atlantic----- (20 cities)	² 2,830	3,122	3,063	-7.6	² 129,024	127,548	+1.2
East North Central----- (19 cities)	² 2,174	2,182	2,259	-3.8	² 95,243	94,262	+1.0
West North Central----- (9 cities)	661	739	724	-8.7	30,903	31,107	-0.7
South Atlantic----- (11 cities)	868	893	844	+2.8	38,255	38,324	-0.2
East South Central----- (8 cities)	² 454	565	462	-1.7	² 20,384	20,613	-1.1
West South Central----- (13 cities)	² 913	839	815	+12.0	² 37,473	37,670	-0.5
Mountain----- (8 cities)	302	296	251	+20.3	12,450	11,780	+5.7
Pacific----- (12 cities)	1,309	1,315	1,251	+4.6	53,582	52,792	+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	40th week ended Oct. 10, 1959	39th week ended Oct. 3, 1959	CUMULATIVE NUMBER FIRST 40 WEEKS		AREA	40th week ended Oct. 10, 1959	39th week ended Oct. 3, 1959	CUMULATIVE NUMBER FIRST 40 WEEKS	
			1959	1958				1959	1958
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	219	228	9,629	9,598	St. Louis, Mo.-----	205	233	9,370	9,664
Bridgeport, Conn.-----	33	43	1,589	1,490	St. Paul, Minn.-----	53	73	2,581	2,832
Cambridge, Mass.-----	33	21	1,125	1,142	Wichita, Kans.-----	35	40	1,903	1,797
Fall River, Mass.-----	31	20	1,122	1,078	SOUTH ATLANTIC:				
Hartford, Conn.-----	48	42	1,952	1,993	Atlanta, Ga.-----	100	101	4,411	4,357
Lowell, Mass.-----	24	29	943	1,023	Baltimore, Md.-----	203	223	9,634	9,783
Lynn, Mass.-----	25	17	928	898	Charlotte, N. C.-----	34	31	1,453	1,388
New Bedford, Mass.-----	20	21	957	927	Jacksonville, Fla.-----	55	53	2,283	2,372
New Haven, Conn.-----	34	51	1,788	1,817	Miami, Fla.-----	61	67	2,772	2,851
Providence, R. I.-----	67	58	2,572	2,561	Norfolk, Va.-----	34	41	1,570	1,383
Somerville, Mass.-----	16	11	519	552	Richmond, Va.-----	59	60	3,108	3,015
Springfield, Mass.-----	40	32	1,775	1,678	Savannah, Ga.-----	42	33	1,327	1,304
Waterbury, Conn.-----	29	25	1,111	1,045	St. Petersburg, Fla.-----	(79)	(64)	(2,568)	(2,580)
Worcester, Mass.-----	52	46	2,215	2,121	Tampa, Fla.-----	69	68	2,491	2,620
MIDDLE ATLANTIC:					Washington, D. C.-----				
Albany, N. Y.-----	35	41	2,063	1,968	174	175	7,696	7,749	
Allentown, Pa.-----	33	32	1,376	1,289	Wilmington, Del.-----	37	41	1,510	1,502
Buffalo, N. Y.-----	115	151	5,775	5,965	EAST SOUTH CENTRAL:				
Camden, N. J.-----	44	42	1,666	1,680	Birmingham, Ala.-----	69	78	3,260	3,488
Elizabeth, N. J.-----	32	33	1,183	1,183	Chattanooga, Tenn.-----	54	31	1,827	1,914
Erie, Pa.-----	35	28	1,454	1,408	Knoxville, Tenn.-----	20	15	1,147	1,070
Jersey City, N. J.-----	65	75	2,950	2,763	Louisville, Ky.-----	95	193	4,506	4,352
Newark, N. J.-----	92	104	3,986	3,793	Memphis, Tenn.-----	90	97	4,472	4,588
New York City, N. Y.-----	1,434	1,531	66,059	64,383	Mobile, Ala.-----	36	52	1,556	1,509
Paterson, N. J.-----	26	42	1,539	1,645	Montgomery, Ala.-----	36	39	1,300	1,344
Philadelphia, Pa.-----	425	494	19,709	20,088	Nashville, Tenn.-----	54	60	2,316	2,348
Pittsburgh, Pa.-----	160	206	7,431	7,619	WEST SOUTH CENTRAL:				
Reading, Pa.-----	24	24	898	847	Austin, Tex.-----	18	37	1,263	1,300
Rochester, N. Y.-----	92	112	3,875	4,026	Baton Rouge, La.-----	18	42	2,084	1,123
Schenectady, N. Y.-----	17	12	984	888	Corpus Christi, Tex.-----	14	16	826	838
Scranton, Pa.-----	135	28	2,454	1,380	Dallas, Tex.-----	107	101	4,708	4,584
Syracuse, N. Y.-----	62	70	2,524	2,478	El Paso, Tex.-----	28	28	1,454	1,428
Trenton, N. J.-----	49	48	1,728	1,870	Fort Worth, Tex.-----	52	66	2,508	2,415
Utica, N. Y.-----	26	20	1,114	1,070	Houston, Tex.-----	139	148	6,190	6,313
Yonkers, N. Y.-----	29	29	1,256	1,205	Little Rock, Ark.-----	48	39	2,166	2,176
EAST NORTH CENTRAL:					New Orleans, La.-----				
Akron, Ohio-----	52	59	2,344	2,261	172	146	6,690	6,964	
Canton, Ohio-----	38	34	1,341	1,243	Oklahoma City, Okla.-----	106	50	2,768	2,702
Chicago, Ill.-----	669	692	30,084	30,012	San Antonio, Tex.-----	79	90	3,805	3,890
Cincinnati, Ohio-----	175	127	6,354	6,420	Shreveport, La.-----	57	46	2,061	1,980
Cleveland, Ohio-----	183	224	8,339	8,287	Tulsa, Okla.-----	75	30	1,950	1,957
Columbus, Ohio-----	100	106	4,665	4,553	MOUNTAIN:				
Dayton, Ohio-----	68	54	2,683	2,894	Albuquerque, N. Mex.-----	30	35	1,197	1,134
Detroit, Mich.-----	296	280	13,052	12,608	Colorado Springs, Colo.-----	11	21	615	583
Evansville, Ind.-----	27	37	1,463	1,539	Denver, Colo.-----	113	101	4,592	4,466
Flint, Mich.-----	40	41	1,604	1,492	Ogden, Utah-----	12	12	615	582
Fort Wayne, Ind.-----	34	29	1,441	1,381	Phoenix, Ariz.-----	59	51	2,033	1,782
Gary, Ind.-----	29	24	1,181	1,260	Pueblo, Colo.-----	15	12	553	516
Grand Rapids, Mich.-----	35	31	1,672	1,622	Salt Lake City, Utah-----	39	42	1,917	1,919
Indianapolis, Ind.-----	122	128	5,534	5,145	Tucson, Ariz.-----	23	22	928	798
Madison, Wis.-----	---	(23)	---	(1,298)	PACIFIC:				
Milwaukee, Wis.-----	130	97	5,090	5,223	Berkeley, Calif.-----	13	19	675	743
Peoria, Ill.-----	36	27	1,160	1,285	Fresno, Calif.-----	(36)	(32)	(1,589)	(1,541)
Rockford, Ill.-----	(28)	(19)	(1,107)	(1,038)	Glendale, Calif.-----	(33)	(30)	(1,440)	(1,323)
South Bend, Ind.-----	25	33	2,101	1,039	Long Beach, Calif.-----	35	58	2,185	2,185
Toledo, Ohio-----	60	103	3,983	3,923	Los Angeles, Calif.-----	434	452	19,175	19,281
Youngstown, Ohio-----	55	56	2,152	2,075	Oakland, Calif.-----	80	84	3,615	3,699
WEST NORTH CENTRAL:					Pasadena, Calif.-----				
Des Moines, Iowa-----	36	55	2,129	2,166	38	33	1,256	1,398	
Duluth, Minn.-----	19	26	982	979	Portland, Oreg.-----	134	100	4,420	3,933
Kansas City, Kans.-----	31	43	1,433	1,090	Sacramento, Calif.-----	56	53	2,197	2,069
Kansas City, Mo.-----	103	102	4,770	4,822	San Diego, Calif.-----	75	88	3,256	3,264
Lincoln, Nebr.-----	(21)	(24)	(1,024)	(994)	San Francisco, Calif.-----	183	176	7,762	7,526
Minneapolis, Minn.-----	117	100	4,912	4,992	San Jose, Calif.-----	(19)	(27)	(1,006)	(902)
Omaha, Nebr.-----	62	67	2,823	2,765	Seattle, Wash.-----	178	151	5,432	5,338
					Spokane, Wash.-----				
					Tacoma, Wash.-----				
					Honolulu, Hawaii-----				

¹Estimated.

²Includes estimate for current week.

EPIDEMIOLOGICAL REPORTS—Continued

restaurant. The pop was supplied by 4 different distributors and was served in the original containers. Different flavors were drunk by the group so it seemed unlikely that the pop was the vehicle causing the illness. No pop was available for laboratory examination. The illness was also highly correlated with ham, bread and butter, and mixed vegetables. Examination of food obtained from the garbage can 24 hours after the outbreak revealed coagulase-positive Staphylococcus aureus with 3 different phage patterns—untypable, type 47, and type 47/6/54—in the ham, mixed vegetables, macaroni salad, potatoes, and gravy. An untypable S. aureus was also obtained from the nasal passages of 3 of the 5 foodhandlers at the restaurant. Stool specimens from a few of the boys were negative for staphylococci, and no samples of vomitus were obtained. It was reported that a considerable number of other persons had eaten without illness from the same hams from which the boys were served.

Gastroenteritis

Reports of 8 outbreaks of food poisoning were received from the California State Department of Public Health. Three of the outbreaks occurred in public institutions. The suspect foods were beef stew, fish casserole, and creamed eggs. None of the casserole was available for laboratory examination. The beef stew was negative for pathogenic organisms. Samples of the creamed eggs were found to contain coagulase-negative Staphylococcus aureus and Aerobacter aerogenes. Specimens from 4 patients in this outbreak yielded coagulase-positive S. aureus and Proteus morgani.

Two outbreaks occurred in private homes. Raw meat loaf and home-canned olives were the suspect foods in one instance but tests on these were negative for pathogenic organisms. In the other outbreak it was thought coffee cake may have been contaminated with an insecticide in the bakery.

The 3 other outbreaks followed the ingestion of food at a club, a community center, and at a fair grounds cafeteria. The suspect food at the club was grilled fish, which was thought to contain a contaminant of a chemical nature. No fish was available for laboratory study and tests on urine from 6 patients were negative. The suspect food related to each of the other 2 outbreaks was turkey. Bacterial cultures were obtained from samples of food but none were of a pathogenic nature.

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.

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--	()

QUARANTINE MEASURES

Immunization Information for International Travel
No changes reported

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