

# 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 23, 1959

Washington 25, D. C.

Vol. 8, No. 341

## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 17, 1959

Six cases of botulism were reported in Alaska. A preliminary report on these cases appeared in the Morbidity and Mortality Weekly Report for the week ended October 10, 1959.

The total number of cases of poliomyelitis reported for the week ended October 17 was 300, of which 225 were paralytic and 48 were nonparalytic. For the previous week, the total number was 320, of which 230 were paralytic; for the week ended October 18, 1958, the total was 285, of which 140 were paralytic. Three geographic divisions reported increases in numbers of paralytic cases for the current week—the Middle Atlantic, the East South Central, and the Pacific.

Cumulative figures for 41 weeks of 1959 and the previous 5 years are as follows:

	Total	Paralytic
1959-----	7,024	4,474
1958-----	4,633	2,229
1957-----	5,294	1,808
1956-----	13,456	5,738
1955-----	24,926	8,657
1954-----	31,691	11,536

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)	41st WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Oct. 17, 1959	Ended Oct. 18, 1958	Median 1954-58	First 41 weeks			Since seasonal low week			
				1959	1958	Median 1954-58	1958-59	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	-	-	-	12	12	18	(1)	(1)	(1)	(1)
Botulism-----049.1	26	-	-	19	3	10	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	11	12	19	599	650	850	(1)	(1)	(1)	(1)
Diphtheria-----055	30	35	42	623	558	1,088	235	236	351	July 1
Encephalitis, infectious-----082	68	100	62	1,753	1,912	1,588	1,172	1,318	1,032	June 1
Hepatitis, infectious, and serum-----092, 1998.5 pt.	451	300	309	17,534	12,049	15,461	2,756	1,968	1,968	Sept. 1
Malaria-----110-117	-	2	5	64	55	207	(1)	(1)	(1)	(1)
Measles-----085	1,218	1,743	1,351	369,047	713,889	565,670	6,762	9,145	6,820	Sept. 1
Meningococcal infections-----057	38	44	44	1,813	2,074	2,118	249	354	289	Sept. 1
Meningitis, other-----340	<sup>a</sup> 161	175	---	4,267	3,374	---	---	---	---	---
Poliomyelitis-----080	300	285	396	7,024	4,633	13,456	6,756	4,446	12,477	Apr. 1
Paralytic-----080.0, 080.1	225	140	154	4,474	2,229	5,738	4,287	2,126	5,207	Apr. 1
Nonparalytic-----080.2	48	89	158	1,931	1,715	5,285	1,886	1,656	5,023	Apr. 1
Unspecified-----080.3	27	56	84	619	689	2,433	583	664	2,247	Apr. 1
Psittacosis-----096.2	1	1	4	88	121	216	(1)	(1)	(1)	(1)
Rabies in man-----094	-	1	1	4	3	4	(1)	(1)	(1)	(1)
Typhoid fever-----040	22	25	44	679	854	1,397	555	688	1,107	Apr. 1
Typhus fever, endemic-----101	-	-	2	38	62	100	32	51	76	Apr. 1
Rabies in animals-----	60	67	73	3,077	3,759	3,857	218	172	205	Oct. 1

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

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

<sup>3</sup>Includes 43 cases of aseptic meningitis; see footnotes to table 2.

## Morbidity and Mortality Weekly Report

The Washington State Communicable Disease Summary for the week ended October 10 states that of 148 cases of poliomyelitis reported by that date 93 (63 percent) have occurred in males. The cases were evenly divided among males and females in 1957 and 1958. There have been 11 deaths reported in Washington so far this year. The victims ranged in age from 19 to 36 years. Eight of them were males.

A report on an epidemic of type I poliomyelitis on an Indian reservation in Minnesota has been forwarded by the Minnesota Department of Health. Drs. Herman Kleinman and Donald Ramras investigated the outbreak, which consisted of 10 paralytic, 4 nonparalytic, and 5 suspect cases in a population of about 450 persons. Most of the population is concentrated in a village which is situated in a deeply wooded and isolated area in the northern part of the State. Nine percent of the population had received 3 or more doses of poliomyelitis vaccine prior to the epidemic. The first recognized case had onset of illness on August 2. Investigation revealed a second case with the same date of onset and that the third case had onset 5 days later. The remainder were spread over the 2d, 3d, and 4th weeks of August, and there were 2 cases early in September. Four of the 10 paralytic cases were bulbar types, with the 7th cranial nerve involved in each instance. With 1 exception, the definitely diagnosed cases were in children under 6 years of age. No deaths were reported. Type I poliomyelitis virus was isolated from 10 of the confirmed and suspect cases, from 4 family contacts, and from 5 community contacts.

### EPIDEMIOLOGICAL REPORTS

#### Staphylococcal food poisoning associated with milk

Information has been received from Dr. W. R. Geidt, Washington State Department of Health, of 4 cases of staphylococcal food poisoning following ingestion of raw skim milk supplied by a neighbor. Four persons in a family of 6 drank the milk during an evening meal. All 4 became ill with nausea and vomiting within 3 hours. Cultures made from the milk were positive for coagulase-positive Staphylococcus aureus.

#### Staphylococcal food poisoning

Dr. Mack I. Shanholtz, Virginia State Health Commissioner, supplied information on an outbreak of staphylococcal food poisoning among 80 persons attending a picnic. The menu consisted of barbecued pork, fried chicken, potato salad, potato chips, bread, and iced tea. The food was prepared by a caterer in his farm kitchen. It was reportedly prepared on the day of the picnic. Only the barbecued pork was kept heated. Some of the other food was kept at room temperature for 5 hours. Everyone who ate at the picnic became ill with vomiting, cramps, diarrhea, and prostration. The onset of illness occurred after various time intervals, and the median was 3 hours after ingestion of the food. Most of the ill persons recovered within 24

to 48 hours. The preliminary reports of the inspection of the kitchen stated that "the sanitation there was not good and all food could have been contaminated." Cultures prepared from the throat swabs of both foodhandlers and from the nose of one showed hemolytic Staphylococcus aureus. Specimens from the nose of the other foodhandler contained a streptococcus and S. albus. Tests on material from an open lesion on the hand of a foodhandler, on stool specimens from several victims, and on samples of the food showed coagulase-positive, hemolytic S. aureus.

Two reports of staphylococcal food poisoning were received from the California State Department of Public Health. One report stated that 2 persons became ill with vomiting, nausea, and diarrhea from 4 to 7½ hours after eating custard-filled pastry. The pastry was purchased from a bakery and eaten at a private residence. Epidemiological evidence indicated contamination of the food took place at the bakery and that the cake was inadequately refrigerated in the home. Samples of the pastry from the home and from the bakery contained staphylococci, and the stool specimen of one patient was positive for coagulase-positive staphylococci.

According to the other report, 2 persons became ill after eating bulk pork sausage obtained from a market. The symptoms were vomiting, dizziness, nausea, headache, and diarrhea. Many yellow-pigmented coagulase-negative gram-positive cocci were isolated from samples of the pork sausage. Inspection revealed that some deteriorated meat was added to the sausage. Sanitation of the market was reported to be bad.

#### Gastroenteritis

The California State Department of Public Health also reported 2 outbreaks of food poisoning associated with food obtained in public eating establishments. Three persons became ill from 3 to 7½ hours after eating, in their home, beef tacos purchased in a restaurant. Two individuals suffered from nausea, vomiting, cramps, and diarrhea and the third from cramps and diarrhea only. None of the tacos was available for laboratory examination, but several hot sauces sold with the tacos were found to be negative for pathogenic organisms. The entire food establishment was reported to be in a very insanitary condition, and several food items used in the tacos were found to have been kept at room temperature.

The other report stated that 2 persons became ill after eating pressed ham sandwiches. The pressed ham was prepared on September 20 and it was served throughout the week as needed. The victims ate the last of the ham on September 27. Whenever possible, the meat was stored under refrigeration.

### QUARANTINE MEASURES

#### Immunization Information for International Travel

No changes reported

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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 18, 1958, AND OCTOBER 17, 1959**

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

AREA	BRUCELLOSIS (undulant fever)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIONOUS		HEPATITIS, INFECTIONOUS, AND SERUM 092,N998.5 pt.			
	044		41st week		Cumulative first 41 weeks		082		41st week		Cumulative first 41 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES-----	11	12	30	35	623	558	68	100	451	300	17,534	12,049
NEW ENGLAND-----	-	-	-	-	5	6	-	-	16	14	569	460
Maine-----	-	-	-	-	-	-	-	-	1	2	86	61
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	15	2
Vermont-----	-	-	-	-	-	-	-	-	-	1	23	20
Massachusetts-----	-	-	-	-	5	5	-	-	11	7	277	227
Rhode Island-----	-	-	-	-	-	-	-	-	1	3	58	58
Connecticut-----	-	-	-	-	-	1	-	-	3	1	110	92
MIDDLE ATLANTIC-----	-	-	1	-	47	34	20	13	72	55	2,628	1,640
New York-----	-	-	-	-	24	16	7	10	54	28	1,561	1,109
New Jersey-----	-	-	-	-	9	2	3	-	3	2	284	133
Pennsylvania-----	-	-	1	-	14	16	10	3	15	25	783	398
EAST NORTH CENTRAL-----	3	4	-	2	27	34	12	11	61	26	2,769	2,073
Ohio-----	-	-	-	-	9	7	6	-	19	5	813	647
Indiana-----	-	-	-	1	4	14	3	8	3	2	252	185
Illinois-----	3	2	-	-	9	6	-	3	12	10	606	504
Michigan-----	-	2	-	1	3	6	3	-	23	6	927	559
Wisconsin-----	-	-	-	-	2	1	-	-	4	3	171	178
WEST NORTH CENTRAL-----	5	4	1	17	46	98	4	22	19	16	1,357	1,001
Minnesota-----	1	-	-	12	20	43	-	6	4	4	331	139
Iowa-----	2	2	-	-	3	13	-	-	-	2	120	180
Missouri-----	-	2	1	-	6	14	-	-	4	4	371	197
North Dakota-----	-	-	-	-	2	3	1	-	7	3	273	176
South Dakota-----	1	-	-	5	3	13	1	-	-	-	45	14
Nebraska-----	1	-	-	-	12	10	2	1	4	1	68	69
Kansas-----	-	-	-	-	-	2	-	15	-	2	149	226
SOUTH ATLANTIC-----	1	1	15	5	189	160	2	2	65	35	1,579	907
Delaware-----	-	-	-	-	7	-	-	-	7	2	97	44
Maryland-----	-	-	-	-	7	3	1	-	6	6	337	109
District of Columbia-----	-	-	-	-	-	2	-	-	-	1	15	16
Virginia-----	1	1	-	3	12	20	-	-	16	4	388	231
West Virginia-----	-	-	-	1	2	10	-	-	1	10	249	134
North Carolina-----	-	-	1	1	18	17	1	1	6	1	97	46
South Carolina-----	-	-	2	-	24	26	-	-	8	-	44	37
Georgia-----	-	-	2	-	57	52	-	-	5	5	117	92
Florida-----	-	-	10	-	69	30	-	1	16	6	235	198
EAST SOUTH CENTRAL-----	-	-	4	8	74	56	9	3	61	24	1,646	1,033
Kentucky-----	-	-	-	-	9	4	1	1	19	15	756	504
Tennessee-----	-	-	-	-	7	5	-	1	15	4	389	274
Alabama-----	-	-	1	4	18	25	4	1	27	2	365	185
Mississippi-----	-	-	3	4	40	22	4	-	-	3	136	70
WEST SOUTH CENTRAL-----	-	-	8	3	202	127	4	6	35	21	1,411	947
Arkansas-----	-	-	3	2	37	18	-	-	1	1	73	91
Louisiana-----	-	-	3	1	54	46	-	-	3	-	105	10
Oklahoma-----	-	-	-	-	2	22	-	2	2	3	190	125
Texas-----	-	-	2	-	109	41	4	4	29	17	1,043	721
MOUNTAIN-----	1	3	-	-	18	31	2	17	27	40	2,292	1,617
Montana-----	-	-	-	-	-	8	-	2	-	9	205	325
Idaho-----	-	-	-	-	-	1	-	-	3	1	272	156
Wyoming-----	-	1	-	-	-	2	-	-	1	1	50	9
Colorado-----	-	-	-	-	7	7	-	11	9	15	703	212
New Mexico-----	-	1	-	-	8	10	1	2	5	2	426	272
Arizona-----	1	-	-	-	2	3	-	1	6	10	451	394
Utah-----	-	-	-	-	-	-	1	1	3	2	164	149
Nevada-----	-	-	-	-	1	-	-	-	-	-	21	100
PACIFIC-----	1	-	1	-	15	12	15	26	95	69	3,283	2,371
Alaska-----	-	-	-	-	5	-	-	-	2	(1)	67	(69)
Washington-----	-	-	-	-	-	-	-	-	8	5	439	382
Oregon-----	-	-	-	-	4	7	-	-	25	5	677	355
California-----	1	-	1	-	6	5	15	26	60	59	2,100	1,634
Hawaii-----	-	-	-	-	2	-	-	-	-	-	42	56
Puerto Rico-----	-	-	3	-	26	42	-	-	13	5	242	130

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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 18, 1958, AND OCTOBER 17, 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>1</sup>				Paralytic 080.0,080.1				Nonparalytic		085	
	41th week		Cumulative first 41 weeks		41th week		Cumulative first 41 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES-----	300	285	7,024	4,633	225	140	4,474	2,229	48	89	1,218	1,743
NEW ENGLAND-----	18	2	297	81	17	2	224	47	-	-	83	95
Maine-----	7	-	53	2	7	-	53	2	-	-	45	16
New Hampshire-----	-	-	4	4	-	-	3	-	-	-	-	1
Vermont-----	3	-	5	5	3	-	5	4	-	-	4	29
Massachusetts-----	6	-	125	28	5	-	89	12	-	-	29	10
Rhode Island-----	-	-	6	3	-	-	4	3	-	-	-	-
Connecticut-----	2	2	104	39	2	2	70	26	-	-	5	39
MIDDLE ATLANTIC-----	52	28	627	574	37	18	368	308	5	5	98	213
New York-----	35	15	364	232	20	12	205	144	5	2	61	24
New Jersey-----	7	9	122	255	7	2	79	97	-	3	18	48
Pennsylvania-----	10	4	141	87	10	4	104	67	-	-	19	141
EAST NORTH CENTRAL-----	45	120	1,046	1,686	17	41	422	614	19	48	266	235
Ohio-----	6	36	233	307	1	10	100	88	1	-	37	51
Indiana-----	5	6	135	102	3	4	79	50	-	2	7	16
Illinois-----	11	9	241	193	7	5	114	61	4	1	81	32
Michigan-----	20	66	396	1,033	6	20	108	397	14	44	78	59
Wisconsin-----	3	3	41	51	-	2	21	18	-	-	63	77
WEST NORTH CENTRAL-----	43	15	1,391	296	26	6	709	135	13	7	49	158
Minnesota-----	14	3	209	26	11	3	167	19	3	-	5	5
Iowa-----	6	-	421	58	3	-	176	17	1	-	6	67
Missouri-----	18	6	428	107	9	3	235	69	8	3	2	7
North Dakota-----	1	1	13	40	-	-	6	22	-	1	32	74
South Dakota-----	-	-	13	7	-	-	-	1	-	-	-	-
Nebraska-----	2	2	130	27	1	-	67	3	1	2	4	5
Kansas-----	2	3	177	31	2	-	58	4	-	1	(*)	(*)
SOUTH ATLANTIC-----	49	39	1,066	674	46	23	827	360	2	8	42	257
Delaware-----	1	3	8	20	-	1	7	11	1	2	1	4
Maryland-----	7	3	34	16	7	3	33	14	-	16	8	6
District of Columbia-----	-	-	6	5	-	-	5	3	-	-	1	2
Virginia-----	13	10	260	121	13	10	211	99	-	-	8	32
West Virginia-----	7	10	158	160	7	7	128	99	-	2	8	98
North Carolina-----	15	3	229	85	15	-	193	29	-	3	-	5
South Carolina-----	3	1	74	20	1	1	39	11	1	-	-	12
Georgia-----	2	-	133	40	2	-	102	22	-	-	-	50
Florida-----	1	9	164	207	1	1	109	72	-	1	16	48
EAST SOUTH CENTRAL-----	25	23	734	278	23	11	558	125	2	9	82	121
Kentucky-----	2	2	80	43	2	1	69	32	-	1	34	40
Tennessee-----	13	8	324	95	11	4	241	38	2	1	34	55
Alabama-----	5	2	229	34	5	1	193	28	-	1	11	5
Mississippi-----	5	11	101	106	5	5	55	27	-	6	3	21
WEST SOUTH CENTRAL-----	21	26	1,028	584	15	19	669	369	4	7	258	136
Arkansas-----	7	1	277	19	5	1	212	17	2	-	120	-
Louisiana-----	-	4	123	70	-	3	85	47	-	1	-	-
Oklahoma-----	4	2	141	53	2	2	80	20	-	-	-	5
Texas-----	10	19	487	442	8	13	292	285	2	6	138	131
MOUNTAIN-----	2	3	164	160	2	1	95	78	-	-	119	279
Montana-----	-	-	7	60	-	-	2	40	-	-	19	151
Idaho-----	-	-	6	11	-	-	-	-	-	-	23	4
Wyoming-----	-	-	2	5	-	-	1	1	-	-	4	2
Colorado-----	2	-	24	18	2	-	17	13	-	-	18	20
New Mexico-----	-	2	37	27	-	-	22	10	-	-	20	71
Arizona-----	-	-	75	24	-	-	48	9	-	-	9	9
Utah-----	-	1	8	11	-	1	2	4	-	-	26	22
Nevada-----	-	-	5	4	-	-	3	1	-	-	-	-
PACIFIC-----	45	29	671	300	42	19	582	193	3	5	221	249
Alaska-----	-	-	18	(2)	-	-	12	(1)	-	-	16	(26)
Washington-----	17	5	159	31	17	-	159	3	-	-	77	54
Oregon-----	10	1	140	34	8	-	109	21	2	1	39	36
California-----	18	23	354	235	17	19	302	169	1	4	89	159
Hawaii-----	-	2	5	71	-	2	5	71	-	-	68	3
Puerto Rico-----	-	1	4	53	-	1	3	50	-	-	10	22

<sup>1</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 OCTOBER 18, 1958, AND OCTOBER 17, 1959--Continued**

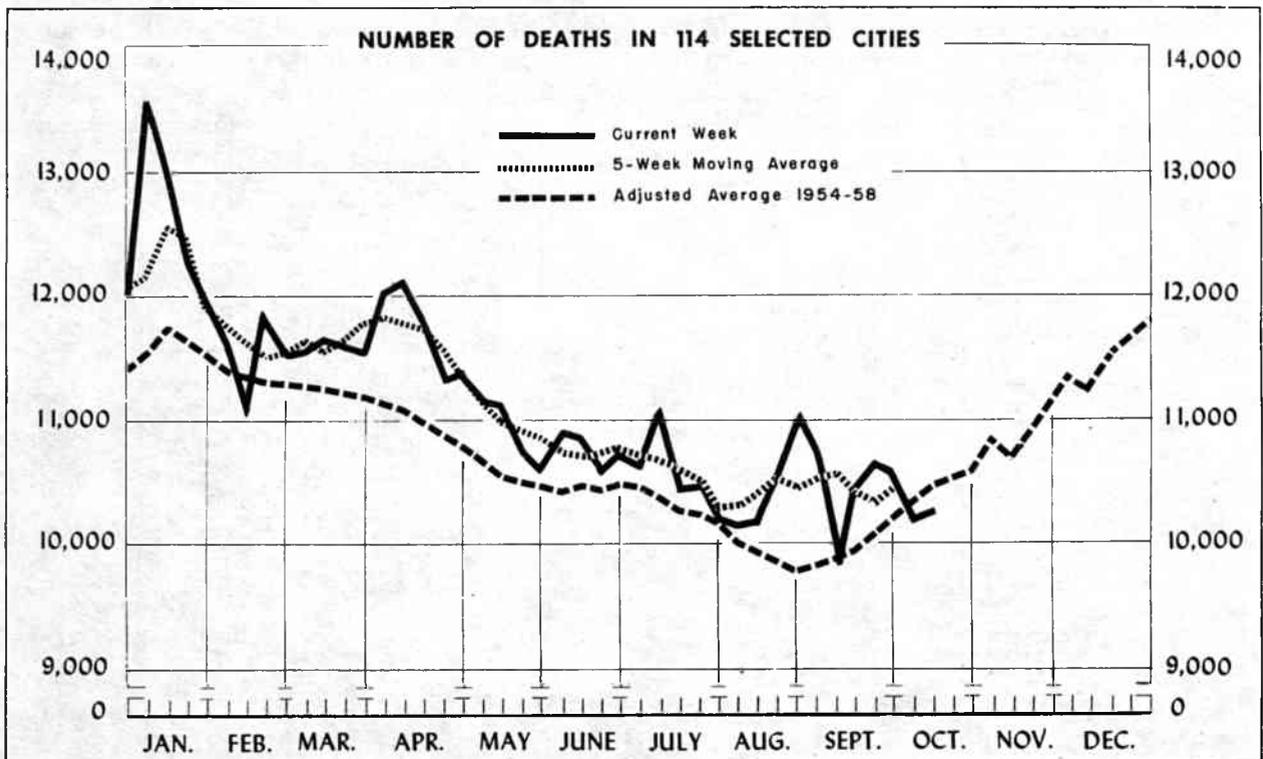
(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	MALARIA		MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	110-117		057		340	096.2	41st week		Cumulative first 41 weeks		101	1959	1958
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES-----	-	38	44	161	1	22	25	679	854	-	60	67	
NEW ENGLAND-----	-	3	2	15	-	-	1	15	17	-	-	-	
Maine-----	-	-	-	<sup>2</sup> 10	-	-	-	2	1	-	-	-	
New Hampshire-----	-	-	-	-	-	-	-	-	1	-	-	-	
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-	
Massachusetts-----	-	2	1	3	-	-	1	5	9	-	-	-	
Rhode Island-----	-	-	-	2	-	-	-	3	1	-	-	-	
Connecticut-----	-	1	1	-	-	-	-	5	5	-	-	-	
MIDDLE ATLANTIC-----	-	5	4	12	-	4	1	67	93	-	23	11	
New York-----	-	3	1	<sup>3</sup> 12	-	1	1	31	30	-	23	11	
New Jersey-----	-	1	1	-	-	-	-	10	18	-	-	-	
Pennsylvania-----	-	1	2	-	-	3	-	26	45	-	-	-	
EAST NORTH CENTRAL-----	-	13	7	53	-	5	1	88	93	-	6	15	
Ohio-----	-	2	2	25	-	3	1	46	36	-	-	1	
Indiana-----	-	-	1	6	-	1	-	13	15	-	1	7	
Illinois-----	-	4	-	19	-	1	-	17	22	-	1	-	
Michigan-----	-	7	4	3	-	-	-	8	11	-	2	-	
Wisconsin-----	-	-	-	-	-	-	-	4	9	-	2	7	
WEST NORTH CENTRAL-----	-	1	8	9	1	2	1	44	70	-	6	13	
Minnesota-----	-	-	-	6	1	-	-	1	3	-	-	6	
Iowa-----	-	-	1	2	-	1	-	8	14	-	4	3	
Missouri-----	-	-	1	-	-	-	-	15	32	-	2	2	
North Dakota-----	-	-	1	-	-	-	-	5	2	-	-	2	
South Dakota-----	-	-	-	1	-	-	-	3	7	-	-	-	
Nebraska-----	-	1	5	-	-	1	-	5	2	-	-	-	
Kansas-----	-	-	-	-	-	-	1	7	10	-	-	-	
SOUTH ATLANTIC-----	-	6	7	19	-	5	5	122	148	-	7	10	
Delaware-----	-	-	-	-	-	1	-	1	5	-	-	-	
Maryland-----	-	1	-	-	-	-	2	5	9	-	-	-	
District of Columbia-----	-	-	-	-	-	-	-	4	6	-	-	-	
Virginia-----	-	1	-	15	-	1	-	24	31	-	-	1	
West Virginia-----	-	-	2	3	-	1	-	12	19	-	1	1	
North Carolina-----	-	2	2	-	-	-	-	11	17	-	1	-	
South Carolina-----	-	-	1	-	-	-	-	11	9	-	1	2	
Georgia-----	-	-	1	-	-	-	2	27	31	-	4	5	
Florida-----	-	2	1	<sup>2</sup> 1	-	3	-	27	21	-	-	1	
EAST SOUTH CENTRAL-----	-	3	4	5	-	2	4	92	103	-	7	7	
Kentucky-----	-	1	1	1	-	-	2	16	29	-	2	4	
Tennessee-----	-	2	1	2	-	2	1	49	31	-	2	2	
Alabama-----	-	-	1	-	-	-	1	11	16	-	3	1	
Mississippi-----	-	-	1	2	-	-	-	16	27	-	-	-	
WEST SOUTH CENTRAL-----	-	-	5	20	-	1	6	139	202	-	7	7	
Arkansas-----	-	-	1	-	-	-	2	28	26	-	1	2	
Louisiana-----	-	-	3	-	-	-	3	16	72	-	1	-	
Oklahoma-----	-	-	-	-	-	-	-	16	8	-	-	-	
Texas-----	-	-	2	19	-	1	1	79	96	-	5	5	
MOUNTAIN-----	-	1	-	3	-	1	2	39	62	-	2	1	
Montana-----	-	-	-	-	-	-	-	2	3	-	-	-	
Idaho-----	-	-	-	-	-	-	-	4	6	-	-	-	
Wyoming-----	-	-	-	-	-	1	-	7	3	-	-	-	
Colorado-----	-	-	-	-	-	-	-	4	8	-	-	-	
New Mexico-----	-	-	1	-	-	-	2	15	25	-	1	-	
Arizona-----	-	1	-	1	-	-	-	6	9	-	1	1	
Utah-----	-	-	-	1	-	-	-	1	-	-	-	-	
Nevada-----	-	-	-	-	-	-	-	-	8	-	-	-	
PACIFIC-----	-	6	7	25	-	2	4	73	66	-	2	3	
Alaska-----	-	-	-	-	-	-	-	4	-	-	-	-	
Washington-----	-	-	1	1	-	-	-	2	3	-	-	-	
Oregon-----	-	2	1	1	-	-	-	7	10	-	-	-	
California-----	-	4	5	<sup>2</sup> 23	-	2	4	60	53	-	2	3	
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-	
Puerto Rico-----	-	-	-	1	-	1	-	15	-	-	1	-	

<sup>2</sup>Aseptic meningitis.

<sup>3</sup>Includes 9 cases of 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	41st week ended Oct. 17, 1959	40th week ended Oct. 10, 1959	Adjusted average, 41st week 1954-58	Percent change, adjusted average to current week <sup>1</sup>	CUMULATIVE NUMBER FIRST 41 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	<sup>2</sup> 10,255	<sup>2</sup> 10,195	10,450	-1.9	<sup>2</sup> 455,807	452,570	+0.7
New England----- (14 cities)	632	671	688	-8.1	28,857	28,613	+0.9
Middle Atlantic----- (20 cities)	<sup>2</sup> 2,711	2,828	3,112	-12.9	<sup>2</sup> 131,733	130,558	+0.9
East North Central----- (19 cities)	2,284	<sup>2</sup> 2,174	2,279	+0.2	<sup>2</sup> 97,527	96,686	+0.9
West North Central----- (9 cities)	775	661	739	+4.9	31,678	31,869	-0.6
South Atlantic----- (11 cities)	934	868	868	+7.6	39,189	39,223	-0.1
East South Central----- (8 cities)	<sup>2</sup> 490	475	460	+6.5	<sup>2</sup> 20,895	21,035	-0.7
West South Central----- (13 cities)	842	907	824	+2.2	38,309	38,503	-0.5
Mountain----- (8 cities)	<sup>2</sup> 326	302	255	+27.8	<sup>2</sup> 12,776	12,068	+5.9
Pacific----- (12 cities)	<sup>2</sup> 1,261	1,309	1,262	-0.1	<sup>2</sup> 54,843	54,015	+1.5

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

<sup>2</sup>Includes 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	41st week ended Oct. 17, 1959	40th week ended Oct. 10, 1959	CUMULATIVE NUMBER FIRST 41 WEEKS		AREA	41st week ended Oct. 17, 1959	40th week ended Oct. 10, 1959	CUMULATIVE NUMBER FIRST 41 WEEKS	
			1959	1958				1959	1958
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	219	219	9,848	9,813	St. Louis, Mo.-----	226	205	9,596	9,901
Bridgeport, Conn.-----	36	33	1,625	1,526	St. Paul, Minn.-----	63	53	2,644	2,895
Cambridge, Mass.-----	28	33	1,153	1,184	Wichita, Kans.-----	43	35	1,946	1,838
Fall River, Mass.-----	33	31	1,155	1,109	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	44	48	1,996	2,035	Atlanta, Ga.-----	107	100	4,518	4,470
Lowell, Mass.-----	14	24	957	1,052	Baltimore, Md.-----	236	203	9,870	10,026
Lynn, Mass.-----	23	25	951	917	Charlotte, N. C.-----	29	34	1,482	1,416
New Bedford, Mass.-----	19	20	976	951	Jacksonville, Fla.-----	50	55	2,333	2,424
New Haven, Conn.-----	33	34	1,821	1,862	Miami, Fla.-----	67	61	2,839	2,914
Providence, R. I.-----	59	67	2,631	2,623	Norfolk, Va.-----	43	34	1,613	1,425
Somerville, Mass.-----	8	16	527	571	Richmond, Va.-----	82	59	3,190	3,089
Springfield, Mass.-----	46	40	1,821	1,719	Savannah, Ga.-----	27	42	1,354	1,341
Waterbury, Conn.-----	27	29	1,138	1,073	St. Petersburg, Fla.-----	(74)	(78)	(2,642)	(2,621)
Worcester, Mass.-----	43	52	2,258	2,178	Tampa, Fla.-----	58	69	2,549	2,662
<b>MIDDLE ATLANTIC:</b>					<b>WASHINGTON, D. C.-----</b>				
Albany, N. Y.-----	35	35	2,098	2,012	197	174	7,893	7,930	
Allentown, Pa.-----	29	33	1,405	1,316	Wilmington, Del.-----	38	37	1,548	1,526
Buffalo, N. Y.-----	137	115	5,912	6,112	<b>EAST SOUTH CENTRAL:</b>				
Camden, N. J.-----	35	44	1,701	1,717	Birmingham, Ala.-----	104	69	3,364	3,549
Elizabeth, N. J.-----	34	32	1,217	1,211	Chattanooga, Tenn.-----	50	54	1,877	1,950
Erle, Pa.-----	35	35	1,489	1,430	Knoxville, Tenn.-----	28	20	1,175	1,094
Jersey City, N. J.-----	55	65	3,005	2,841	Louisville, Ky.-----	184	116	24,611	4,446
Newark, N. J.-----	103	92	4,089	3,907	Memphis, Tenn.-----	127	90	4,599	4,681
New York City, N. Y.-----	1,392	1,434	67,451	65,931	Mobile, Ala.-----	25	36	1,581	1,543
Paterson, N. J.-----	44	26	1,583	1,671	Montgomery, Ala.-----	34	36	1,334	1,375
Philadelphia, Pa.-----	367	425	20,076	20,494	Nashville, Tenn.-----	38	54	2,354	2,397
Pittsburgh, Pa.-----	149	160	7,580	7,802	<b>WEST SOUTH CENTRAL:</b>				
Reading, Pa.-----	122	14	910	870	Austin, Tex.-----	41	18	1,304	1,329
Rochester, N. Y.-----	89	92	3,964	4,126	Baton Rouge, La.-----	24	12	1,102	1,147
Schenectady, N. Y.-----	26	17	1,010	906	Corpus Christi, Tex.-----	19	14	845	864
Scranton, Pa.-----	14	43	1,476	1,408	Dallas, Tex.-----	115	107	4,823	4,700
Syracuse, N. Y.-----	59	62	2,583	2,540	El Paso, Tex.-----	36	28	1,490	1,459
Trenton, N. J.-----	30	49	1,758	1,913	Fort Worth, Tex.-----	51	52	2,559	2,462
Utica, N. Y.-----	29	26	1,143	1,104	Houston, Tex.-----	130	139	6,320	6,455
Yonkers, N. Y.-----	27	29	1,283	1,247	Little Rock, Ark.-----	46	48	2,212	2,215
<b>EAST NORTH CENTRAL:</b>					<b>New Orleans, La.-----</b>				
Akron, Ohio-----	45	52	2,389	2,318	175	172	6,865	7,123	
Canton, Ohio-----	25	38	1,366	1,269	Oklahoma City, Okla.-----	53	106	2,821	2,777
Chicago, Ill.-----	728	669	30,812	30,724	San Antonio, Tex.-----	85	79	3,890	3,967
Cincinnati, Ohio-----	156	175	6,510	6,569	Shreveport, La.-----	37	57	2,098	2,021
Cleveland, Ohio-----	213	183	8,552	8,523	Tulsa, Okla.-----	30	75	1,980	1,984
Columbus, Ohio-----	106	100	4,771	4,695	<b>MOUNTAIN:</b>				
Dayton, Ohio-----	63	68	2,746	2,956	Albuquerque, N. Mex.-----	24	30	1,221	1,157
Detroit, Mich.-----	317	296	13,369	12,959	Colorado Springs, Colo.-----	17	11	632	606
Evansville, Ind.-----	38	27	1,501	1,576	Denver, Colo.-----	116	113	4,708	4,567
Flint, Mich.-----	52	40	1,656	1,532	Ogden, Utah-----	12	12	627	602
Fort Wayne, Ind.-----	43	34	1,484	1,413	Phoenix, Ariz.-----	63	59	2,096	1,814
Gary, Ind.-----	28	29	1,209	1,284	Pueblo, Colo.-----	13	15	566	532
Grand Rapids, Mich.-----	41	35	1,713	1,660	Salt Lake City, Utah-----	47	39	1,964	1,971
Indianapolis, Ind.-----	117	122	5,651	5,296	Tucson, Ariz.-----	34	23	962	819
Madison, Wis.-----	(21)	(32)	(1,203)	(1,323)	<b>PACIFIC:</b>				
Milwaukee, Wis.-----	123	130	5,213	5,368	Berkeley, Calif.-----	17	13	692	763
Peoria, Ill.-----	30	36	1,190	1,314	Fresno, Calif.-----	(33)	(36)	(1,622)	(1,592)
Rockford, Ill.-----	(30)	(28)	(1,137)	(1,059)	Glendale, Calif.-----	(30)	(33)	(1,470)	(1,351)
South Bend, Ind.-----	20	125	1,121	1,083	Long Beach, Calif.-----	36	35	2,221	2,228
Toledo, Ohio-----	94	60	4,077	4,017	Los Angeles, Calif.-----	489	434	19,664	19,674
Youngstown, Ohio-----	45	55	2,197	2,130	Oakland, Calif.-----	77	80	3,692	3,803
<b>WEST NORTH CENTRAL:</b>					<b>Pasadena, Calif.-----</b>				
Des Moines, Iowa-----	60	36	2,189	2,211	32	38	1,288	1,432	
Duluth, Minn.-----	31	19	1,013	1,008	Portland, Oreg.-----	93	134	4,513	4,013
Kansas City, Kans.-----	35	31	1,468	1,117	Sacramento, Calif.-----	57	56	2,254	2,117
Kansas City, Mo.-----	119	103	4,889	4,940	San Diego, Calif.-----	95	75	3,351	3,349
Lincoln, Nebr.-----	(29)	(21)	(1,053)	(1,022)	San Francisco, Calif.-----	126	183	7,888	7,699
Minneapolis, Minn.-----	123	117	5,035	5,129	San Jose, Calif.-----	(23)	(19)	(1,028)	(924)
Omaha, Nebr.-----	75	62	2,898	2,830	Seattle, Wash.-----	145	178	5,577	5,488
					<b>Spokane, Wash.-----</b>				
					<b>Tacoma, Wash.-----</b>				
					<b>Honolulu, Hawaii-----</b>				
					<b>(41) (39) (1,563) (1,496)</b>				

<sup>1</sup>Estimated.

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

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

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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.