

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 31, 1959

NOTICE: The National Office of Vital Statistics will continue to collect and publish information on influenza. It is requested that reports be made promptly of any unusual incidence or outbreak of influenza confirmed by laboratory tests or of influenza-like illness. Laboratory confirmation of diagnosis of influenza should be made on a representative sample of cases of influenza-like illness whenever possible. The Virus and Rickettsial Section of the Communicable Disease Center (PHS), Montgomery, Alabama, will continue to operate the WHO International Influenza Center for the Americas and will work closely with collaborating laboratories in studying representative strains of the influenza virus or strains showing unusual properties and by supplying diagnostic reagents.

Sixteen cases of diphtheria were reported in Louisiana for the week ended October 31. Georgia reported 9 cases and Nebraska reported 7. The total of 47 cases is more than double that of the previous week.

For the current week, 261 cases of poliomyelitis were reported; no report was received from Missouri. Of these cases, 179 were paralytic and 63 nonparalytic. For the previous week, the total was 249 cases, of which 193 were paralytic. For the week ended November 1, 1958, the total was 199 cases, including 123 classified as paralytic. The number of paralytic cases continues to decrease slowly. The decrease was greatest in the New England Division, where only 5 cases were reported, with none in Maine. There was also a considerable decrease for the West North Central Division, but that total is not complete. A sizable increase was reported in the Pacific Division.

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)	43d WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Oct. 31, 1959 ¹	Ended Nov. 1, 1958	Median 1954-58	First 43 weeks			Since seasonal low week			
				1959 ¹	1958	Median 1954-58	1958-59 ²	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	-	-	-	12	12	18	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	20	3	11	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	11	20	20	618	690	908	(2)	(2)	(2)	(2)
Diphtheria-----055	47	33	56	696	629	1,165	308	307	436	July 1
Encephalitis, infectious-----082	57	54	42	1,865	2,026	1,676	1,284	1,432	1,120	June 1
Hepatitis, infectious, and serum-----092, 098.5 pt.	467	280	325	18,440	12,664	16,139	3,662	2,583	2,628	Sept. 1
Malaria-----110-117	-	3	3	65	61	211	(2)	(2)	(2)	(2)
Measles-----085	1,455	2,347	1,673	371,791	718,383	569,122	9,506	13,639	10,272	Sept. 1
Meningococcal infections-----057	30	40	58	1,866	2,164	2,219	302	444	421	Sept. 1
Meningitis, other-----340	146	113	---	4,617	3,637	---	---	---	---	---
Poliomyelitis-----080	261	199	297	7,523	5,081	14,075	7,255	4,894	13,096	Apr. 1
Paralytic-----080.0, 080.1	179	123	123	4,862	2,509	5,999	4,675	2,406	5,468	Apr. 1
Nonparalytic-----080.2	63	42	106	2,029	1,822	5,515	1,984	1,763	5,253	Apr. 1
Unspecified-----080.3	19	34	72	632	750	2,561	596	725	2,375	Apr. 1
Psittacosis-----096.2	3	3	3	91	126	229	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	4	3	5	(2)	(2)	(2)	(2)
Typhoid fever-----040	22	22	27	722	903	1,476	598	737	1,186	Apr. 1
Typhus fever, endemic-----101	1	-	1	40	63	107	34	52	83	Apr. 1
Rabies in animals-----	72	67	67	3,224	3,891	3,980	365	304	328	Oct. 1

¹Data exclude report from Missouri for the current week.

²Data show no pronounced seasonal change in incidence.

³Includes 36 cases of aseptic meningitis; see footnotes to table 2.

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Additional information from Pennsylvania states that 9 of the 13 paralytic cases in that State had onset during the period October 10 to 22. Four had onset during September.

The California Surveillance Report, October 28, 1959, states that 116 (43 percent) of the 269 cases of paralytic poliomyelitis for which age is known have been in children under 5 years of age. Adults over 20 years of age account for 76 cases (28 percent). About 75 percent of the adults had never been vaccinated. Of the 116 cases in children under 5 years of age, 17 were in infants under 1 year and 6 were under 6 months of age, the youngest being only 1 month old at the onset of illness. Three of the 17 had received 1 dose of vaccine. Ten deaths have been recorded in the State. Seven of the victims were males and 3 were females. Only one of these, an 11-year-old boy, had a history of prior vaccination, the last dose being in 1957. Type I poliovirus was isolated from stool and brain tissue specimens. The boy's unvaccinated 53-year-old grandmother, living at the same address, became ill with the paralytic disease 8 days after onset of his illness.

EPIDEMIOLOGICAL REPORTS

Human rabies

Information has been received from the Communicable Disease Center (PHS) about the death from rabies of a 10-year-old boy in Fulton County, Georgia, who was bitten by his grandmother's dog. The boy was bitten on the left arm just above the elbow on August 22. The wound was treated immediately in a hospital clinic, and antirabies treatment, consisting of daily injections for 21 days, was begun on August 24, when the dog was proven to have been rabid. The child remained asymptomatic until 2 days prior to his admission to the hospital on October 2. Onset of illness was characterized by nausea, vomiting, and pain in the shoulder and the arm around the area of the bite. Other symptoms which developed were drooling, difficulty in swallowing, gagging, apprehension, excitability, dilated pupils, and gooseflesh. Death occurred on October 4. Rabies was proven by demonstration of Negri bodies in brain tissue and by fluorescent antibody examination. Mouse-inoculation tests are underway. The dog which bit the boy had wandered away from home, and the boy's grandmother sent him to find it. The animal showed increased viciousness when approached, and then it bit the boy. The dog was shot immediately, and laboratory confirmation of rabies was obtained. The dog was unvaccinated. It was reported that during this spring and summer there had been an epidemic of rabies in Fulton County.

Plague

Information from Richard F. Peters, California State Department of Public Health, states that 2 positive laboratory reports have been received from the Division of Laboratories of Pasteurella pestis in pools of fleas obtained from chipmunks

of the species Eutamias speciosus. The reports are as follows: (1) Bechtel Camp Ground area, 4 miles northeast of Mono Hot Springs, Fresno County (approximately 7,500 feet elevation), collected August 26 and 27 by personnel of the Bureau of Vector Control. The pool consisted of 16 fleas, including 11 Monopsyllus eutamiadis, 3 M. ciliatus, and 2 Diamanus montanus, taken from 8 chipmunks. (2) Mono Creek Camp Ground area, approximately 2½ miles from Mono Hot Springs and 500 yards from Mono Creek, Fresno County (approximately 7,500 feet elevation), collected September 25 by personnel of the Bureau of Vector Control. The pool consisted of 9 fleas, all M. eutamiadis, which were taken from 3 chipmunks.

Arthropod-borne encephalitis

The California Surveillance Report, October 30, 1959, states that as of October 28, 32 cases of St. Louis encephalitis have been proved by laboratory tests. A 65-year-old male died. Almost all the cases are located within the endemic area—the majority occurring in the northern part of the Central Valley. Only 1 laboratory-proved case of western encephalitis has been reported this year. This case was in a 27-year-old female.

Gastroenteritis

Information has been received from Region IX of the U.S. Public Health Service that 20 of 48 passengers aboard an aircraft were stricken with nausea and vomiting about 3 hours after eating a meal served aboard the craft. Specimens of Swiss steak and gravy, salad dressing, cream, cake with apple sauce, and salad consisting of asparagus, ripe olives, lettuce, and stuffed eggs with caviar were all found to be negative except the stuffed egg with caviar, which showed numerous coagulase-negative, gram-positive cocci. The organism remained untypable after several attempts to determine the type. Inspection of the commissary where the food was prepared showed no evidence of neglect in operational procedure. The employees were checked, and no condition which might have led to the outbreak was detected. No illness was reported among 86 passengers aboard another flight on which the same food, prepared at the same commissary and at the same time, was served.

QUARANTINE MEASURES

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

Changes Reported

Designated Yellow Fever Vaccination Centers (Section 6)

On page 60, the clinic hours of the center located in Portland, Maine, should be corrected to read By appointment only.

On page 64, the telephone number of the center located in the U.S. Public Health Service Outpatient Clinic, Houston, Texas, should be changed to WALnut 1-5424.

All other information remains the same.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 1, 1958, AND OCTOBER 31, 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, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		43d week		Cumulative first 43 weeks		082		43d week		Cumulative first 43 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES ¹ -----	11	20	47	33	696	629	57	54	467	280	18,440	12,664
NEW ENGLAND-----	-	1	-	-	5	6	3	1	19	6	608	479
Maine-----	-	-	-	-	-	-	-	-	2	-	88	62
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	15	2
Vermont-----	-	-	-	-	-	-	-	-	-	-	23	24
Massachusetts-----	-	1	-	-	5	5	2	1	12	4	301	237
Rhode Island-----	-	-	-	-	-	-	1	-	3	-	63	60
Connecticut-----	-	-	-	-	-	1	-	-	2	2	118	94
MIDDLE ATLANTIC-----	2	-	-	-	48	34	9	2	73	35	2,760	1,717
New York-----	2	-	-	-	25	16	4	1	43	27	1,635	1,162
New Jersey-----	-	-	-	-	9	2	1	1	6	4	297	138
Pennsylvania-----	-	-	-	-	14	16	4	-	24	4	828	417
EAST NORTH CENTRAL-----	-	4	-	2	27	36	7	11	55	40	2,876	2,166
Ohio-----	-	-	-	1	9	8	2	6	6	17	832	680
Indiana-----	-	2	-	-	4	14	3	2	8	3	262	197
Illinois-----	-	2	-	1	9	7	1	1	12	9	636	528
Michigan-----	-	-	-	-	3	6	1	1	24	6	964	572
Wisconsin-----	-	-	-	-	2	1	-	1	5	5	182	189
WEST NORTH CENTRAL ¹ -----	5	9	8	-	55	101	-	9	35	27	1,432	1,066
Minnesota-----	-	1	1	-	22	43	-	-	15	7	365	154
Iowa-----	5	4	-	-	3	14	-	-	2	2	125	183
Missouri-----	1	-	-	-	16	14	-	-	4	4	1,377	214
North Dakota-----	-	-	-	-	2	3	-	-	12	10	292	197
South Dakota-----	-	2	-	-	3	15	-	-	-	1	48	16
Nebraska-----	-	-	7	-	19	10	-	-	6	2	76	71
Kansas-----	-	1	-	-	-	2	-	9	-	1	149	231
SOUTH ATLANTIC-----	1	2	11	15	210	195	9	2	38	25	1,663	989
Delaware-----	-	-	-	-	-	-	-	-	6	3	104	50
Maryland-----	-	-	-	-	7	3	4	-	2	5	345	118
District of Columbia-----	-	-	-	-	-	2	1	-	-	-	15	18
Virginia-----	-	1	-	2	12	27	1	-	8	5	412	243
West Virginia-----	-	-	1	-	3	10	-	-	2	2	258	137
North Carolina-----	-	-	1	5	20	25	2	1	10	2	107	56
South Carolina-----	-	-	4	-	27	31	-	-	1	1	46	38
Georgia-----	-	1	9	2	68	65	-	-	-	2	117	119
Florida-----	1	-	-	2	73	32	1	1	11	5	259	210
EAST SOUTH CENTRAL-----	1	2	5	4	80	65	4	-	75	27	1,778	1,072
Kentucky-----	-	-	-	-	9	4	2	-	40	17	836	521
Tennessee-----	1	-	1	1	8	7	-	-	16	6	410	284
Alabama-----	-	2	3	2	22	31	2	-	12	2	388	189
Mississippi-----	-	-	1	1	41	23	-	-	7	2	144	78
WEST SOUTH CENTRAL-----	-	-	23	4	238	140	10	16	37	28	1,490	998
Arkansas-----	-	-	-	-	37	19	1	-	-	2	73	94
Louisiana-----	-	-	16	3	75	54	-	-	1	2	109	12
Oklahoma-----	-	-	1	-	3	22	-	1	3	11	207	138
Texas-----	-	-	6	1	123	45	9	15	33	13	1,101	754
MOUNTAIN-----	-	-	-	8	18	40	2	4	56	47	2,388	1,698
Montana-----	-	-	-	-	-	8	-	-	3	10	208	344
Idaho-----	-	-	-	-	-	1	-	-	9	3	285	160
Wyoming-----	-	-	-	-	-	2	-	1	2	5	52	15
Colorado-----	-	-	-	3	7	10	1	1	15	17	733	239
New Mexico-----	-	-	-	5	8	16	-	1	1	4	431	280
Arizona-----	-	-	-	-	2	3	-	-	20	7	481	410
Utah-----	-	-	-	-	-	-	1	1	6	-	177	149
Nevada-----	-	-	-	-	1	-	-	-	-	1	21	101
PACIFIC-----	2	2	-	-	15	12	13	9	79	45	3,445	2,479
Alaska-----	-	-	-	-	5	-	-	-	-	(3)	67	(72)
Washington-----	-	-	-	-	-	-	-	-	13	10	470	399
Oregon-----	1	-	-	-	4	7	-	-	17	11	718	374
California-----	1	2	-	-	6	5	13	9	49	24	2,190	1,706
Hawaii-----	-	-	-	-	2	-	-	-	-	2	42	58
Puerto Rico-----	-	-	1	1	27	43	-	-	3	1	245	135

¹Data exclude report from Missouri 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 NOVEMBER 1, 1958, AND OCTOBER 31, 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	
	43d week		Cumulative first 43 weeks		43d week		Cumulative first 43 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES ¹ -----	261	199	7,523	5,081	179	123	4,862	2,509	63	42	1,455	2,347
NEW ENGLAND-----	7	3	324	88	5	3	248	54	2	-	139	220
Maine-----	-	-	59	4	-	-	59	4	-	-	36	16
New Hampshire-----	-	-	4	4	-	-	3	-	-	-	-	-
Vermont-----	-	1	5	6	-	1	5	5	-	-	49	45
Massachusetts-----	4	1	137	29	4	1	101	13	-	-	48	38
Rhode Island-----	2	-	10	3	1	-	7	3	1	-	1	-
Connecticut-----	1	1	109	42	-	1	73	29	1	-	5	121
MIDDLE ATLANTIC-----	41	19	704	621	30	10	450	335	9	8	81	412
New York-----	25	11	418	259	16	5	244	157	7	5	50	56
New Jersey-----	2	5	129	270	1	2	85	106	1	3	19	70
Pennsylvania-----	14	3	157	92	13	3	121	72	1	-	12	286
EAST NORTH CENTRAL-----	50	75	1,135	1,849	29	36	484	688	11	24	276	274
Ohio-----	13	13	254	336	7	2	113	96	3	1	36	47
Indiana-----	6	9	142	115	4	7	90	60	1	2	16	47
Illinois-----	18	12	279	214	12	6	142	74	2	2	95	42
Michigan-----	12	40	417	1,130	5	20	116	437	5	19	65	67
Wisconsin-----	1	1	43	54	1	1	23	21	-	-	64	71
WEST NORTH CENTRAL ¹ -----	18	9	1,443	328	7	7	750	159	11	2	47	173
Minnesota-----	7	-	223	27	5	-	179	20	2	-	1	2
Iowa-----	9	2	433	60	1	1	189	18	8	1	14	33
Missouri-----	-	6	1,449	132	-	6	1,248	91	-	-	-	43
North Dakota-----	-	-	13	40	-	-	6	22	-	-	32	75
South Dakota-----	-	-	13	8	-	-	-	1	-	-	-	5
Nebraska-----	2	1	133	30	1	-	68	3	1	1	-	15
Kansas-----	-	-	179	31	-	-	60	4	-	-	(*)	(*)
SOUTH ATLANTIC-----	49	27	1,151	735	39	15	902	400	7	3	55	181
Delaware-----	1	-	9	21	-	-	7	12	1	-	3	-
Maryland-----	2	1	38	19	2	1	37	17	-	-	3	21
District of Columbia-----	-	-	6	5	-	-	5	3	-	-	-	-
Virginia-----	9	6	274	131	9	6	230	109	-	-	9	-
West Virginia-----	9	4	173	174	9	3	142	109	-	1	9	59
North Carolina-----	15	2	253	91	9	-	211	33	6	2	12	5
South Carolina-----	3	2	79	23	2	2	43	14	-	-	-	-
Georgia-----	4	1	143	52	4	1	110	28	-	-	-	76
Florida-----	6	11	176	219	4	2	117	75	-	-	19	20
EAST SOUTH CENTRAL-----	21	12	777	303	16	12	588	145	5	-	78	175
Kentucky-----	8	10	95	58	5	10	75	46	3	-	27	87
Tennessee-----	5	1	337	98	5	1	253	39	-	-	36	45
Alabama-----	5	-	237	37	4	-	200	29	1	-	6	22
Mississippi-----	3	1	108	110	2	1	60	31	1	-	9	21
WEST SOUTH CENTRAL-----	26	22	1,076	644	14	19	700	422	11	3	200	155
Arkansas-----	5	-	288	22	2	-	219	20	3	-	4	15
Louisiana-----	7	1	130	75	3	1	88	51	4	-	1	5
Oklahoma-----	4	-	145	54	2	-	82	21	1	-	-	1
Texas-----	10	21	513	493	7	18	311	350	3	3	195	134
MOUNTAIN-----	9	17	177	185	5	9	101	89	1	1	251	399
Montana-----	3	3	10	63	2	1	4	41	-	1	60	224
Idaho-----	-	1	6	12	-	-	-	-	-	-	49	19
Wyoming-----	-	4	2	10	-	-	1	1	-	-	1	2
Colorado-----	1	-	25	18	-	-	17	13	1	-	9	74
New Mexico-----	4	7	41	34	2	6	24	16	-	-	101	26
Arizona-----	1	2	79	32	1	2	50	12	-	-	4	17
Utah-----	-	-	9	11	-	-	2	4	-	-	27	37
Nevada-----	-	-	5	5	-	-	3	2	-	-	-	-
PACIFIC-----	40	15	736	328	34	12	639	217	6	1	328	358
Alaska-----	-	-	19	(2)	-	-	13	(1)	-	-	18	(15)
Washington-----	12	2	179	33	12	-	179	3	-	-	78	55
Oregon-----	9	2	154	37	6	2	120	24	3	-	56	83
California-----	19	11	384	258	16	10	327	190	3	1	176	220
Hawaii-----	-	2	5	75	-	2	5	75	-	-	92	6
Puerto Rico-----	-	-	4	53	-	-	3	50	-	-	14	12

¹Data exclude report from Missouri 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 NOVEMBER 1, 1958, AND OCTOBER 31, 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	43d week		Cumulative first 43 weeks		101	1959	1958
	1959	1958	1959	1958	1959	1959	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES ¹ -----	-	30	40	146	3	22	22	722	903	1	72	67	
NEW ENGLAND-----	-	1	1	18	-	-	2	15	19	-	-	-	
Maine-----	-	-	1	³ 7	-	-	1	2	2	-	-	-	
New Hampshire-----	-	-	-	-	-	-	-	-	1	-	-	-	
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-	
Massachusetts-----	-	1	-	10	-	-	-	5	9	-	-	-	
Rhode Island-----	-	-	-	1	-	-	-	3	1	-	-	-	
Connecticut-----	-	-	-	-	-	-	1	5	6	-	-	-	
MIDDLE ATLANTIC-----	-	3	9	13	2	-	-	74	94	-	13	8	
New York-----	-	2	4	⁴ 11	-	-	-	32	31	-	12	6	
New Jersey-----	-	-	2	⁵ 2	-	-	-	12	18	-	-	-	
Pennsylvania-----	-	1	3	-	2	-	-	30	45	-	1	2	
EAST NORTH CENTRAL-----	-	9	8	28	-	4	-	94	95	-	4	9	
Ohio-----	-	2	3	7	-	-	-	47	36	-	-	-	
Indiana-----	-	-	2	5	-	2	-	15	15	-	1	4	
Illinois-----	-	-	2	6	-	1	-	18	22	-	1	1	
Michigan-----	-	6	1	8	-	-	-	8	13	-	-	2	
Wisconsin-----	-	1	-	⁵ 2	-	1	-	6	9	-	2	2	
WEST NORTH CENTRAL ¹ -----	-	-	2	7	1	-	-	44	71	-	16	26	
Minnesota-----	-	-	-	2	1	-	-	1	3	-	7	8	
Iowa-----	-	-	1	1	-	-	-	8	14	-	3	9	
Missouri-----	-	-	1	-	-	-	-	¹ 5	33	-	-	3	
North Dakota-----	-	-	-	-	-	-	-	5	2	-	-	4	
South Dakota-----	-	-	-	-	-	-	-	3	7	-	4	-	
Nebraska-----	-	-	-	-	-	-	-	5	2	-	1	2	
Kansas-----	-	-	-	⁵ 4	-	-	-	7	10	-	1	-	
SOUTH ATLANTIC-----	-	4	8	21	-	4	5	128	156	1	3	9	
Delaware-----	-	-	-	-	-	-	-	1	5	-	-	-	
Maryland-----	-	1	-	3	-	-	2	5	11	-	-	-	
District of Columbia-----	-	-	-	5	-	-	-	4	6	-	-	-	
Virginia-----	-	2	3	9	-	2	1	27	33	-	2	3	
West Virginia-----	-	1	3	4	-	1	1	14	20	1	-	-	
North Carolina-----	-	-	1	-	-	-	-	11	17	-	1	-	
South Carolina-----	-	-	-	-	-	-	1	11	11	-	-	2	
Georgia-----	-	-	1	-	-	1	-	28	31	-	-	3	
Florida-----	-	-	-	-	-	-	-	27	22	-	-	1	
EAST SOUTH CENTRAL-----	-	6	6	26	-	7	2	102	111	-	7	5	
Kentucky-----	-	1	-	16	-	-	-	16	31	-	1	2	
Tennessee-----	-	1	3	5	-	2	1	52	33	-	2	2	
Alabama-----	-	2	3	-	-	5	-	18	19	-	4	1	
Mississippi-----	-	2	-	5	-	-	1	16	28	-	-	-	
WEST SOUTH CENTRAL-----	-	2	2	6	-	4	3	146	211	-	22	8	
Arkansas-----	-	1	-	-	-	-	-	30	27	-	4	-	
Louisiana-----	-	1	2	-	-	3	1	19	75	-	2	1	
Oklahoma-----	-	-	-	2	-	-	1	16	10	-	-	-	
Texas-----	-	-	-	4	-	1	1	81	99	-	16	7	
MOUNTAIN-----	-	2	-	3	-	-	4	40	70	-	3	1	
Montana-----	-	-	-	-	-	-	-	2	4	-	-	-	
Idaho-----	-	1	-	-	-	-	-	5	6	-	-	-	
Wyoming-----	-	-	-	-	-	-	-	7	3	-	-	-	
Colorado-----	-	1	-	2	-	-	-	4	8	-	-	-	
New Mexico-----	-	-	-	-	-	-	3	15	30	-	3	-	
Arizona-----	-	-	-	-	-	-	1	6	11	-	-	1	
Utah-----	-	-	-	1	-	-	-	1	-	-	-	-	
Nevada-----	-	-	-	-	-	-	-	-	8	-	-	-	
PACIFIC-----	-	3	4	24	-	3	6	79	76	-	4	1	
Alaska-----	-	-	-	-	-	-	-	4	-	-	-	-	
Washington-----	-	2	1	8	-	-	-	2	3	-	-	-	
Oregon-----	-	-	-	-	-	-	1	7	12	-	-	-	
California-----	-	1	3	⁵ 16	-	3	5	66	61	-	4	1	
Hawaii-----	-	-	-	-	-	1	-	1	-	-	-	-	
Puerto Rico-----	-	-	1	1	-	-	-	16	-	-	1	-	

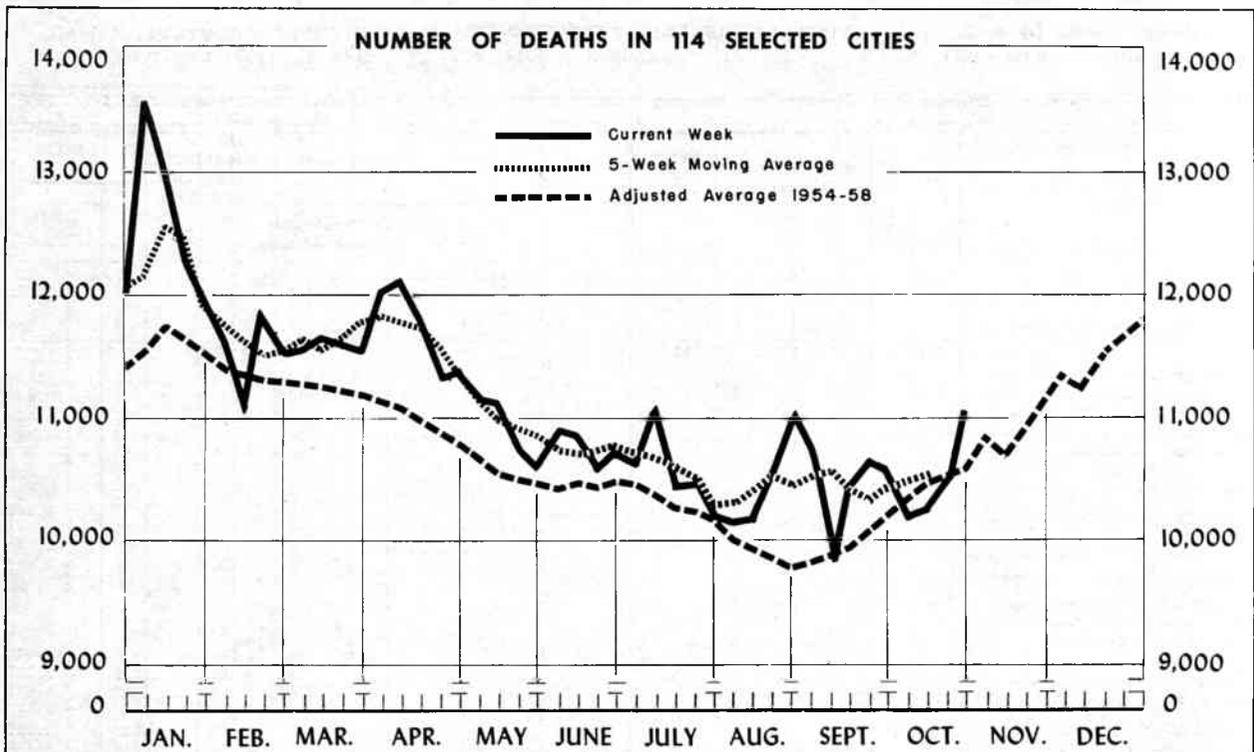
¹Data exclude report from Missouri for the current week.

²Includes 3 cases of aseptic meningitis.

⁴Includes 9 cases of aseptic meningitis.

⁵Aseptic 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	43d week ended Oct. 31, 1959	42d week ended Oct. 24, 1959	Adjusted average, 43d week to 1954-58	Percent change, adjusted average to current week ¹	CUMULATIVE NUMBER FIRST 43 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	² 11,053	10,524	10,579	+4.5	² 477,409	474,310	+0.7
New England----- (14 cities)	² 681	656	710	-4.1	² 30,194	29,997	+0.7
Middle Atlantic----- (20 cities)	² 3,158	2,945	3,127	+1.0	² 137,832	136,896	+0.7
East North Central----- (19 cities)	² 2,424	2,230	2,309	+5.0	² 102,174	101,235	+0.9
West North Central----- (9 cities)	² 804	753	782	+2.8	² 33,235	33,464	-0.7
South Atlantic----- (11 cities)	890	932	886	+0.5	41,011	41,045	-0.1
East South Central----- (8 cities)	522	491	472	+10.6	21,934	22,079	-0.7
West South Central----- (13 cities)	963	910	858	+14.9	40,182	40,274	-0.2
Mountain----- (8 cities)	312	281	264	+18.2	13,374	12,632	+5.9
Pacific----- (12 cities)	1,299	1,328	1,269	+2.4	57,473	56,688	+1.4

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	43d week ended	42d week ended	CUMULATIVE NUMBER FIRST 43 WEEKS		AREA	43d week ended	42d week ended	CUMULATIVE NUMBER FIRST 43 WEEKS	
	Oct. 31, 1959	Oct. 24, 1959	1959	1958		Oct. 31, 1959	Oct. 24, 1959	1959	1958
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	208	227	10,283	10,287	St. Louis, Mo.-----	268	217	10,081	10,398
Bridgeport, Conn.-----	30	40	1,695	1,627	St. Paul, Minn.-----	63	79	2,786	3,023
Cambridge, Mass.-----	32	32	1,217	1,221	Wichita, Kans.-----	44	43	2,033	1,917
Fall River, Mass.-----	30	25	1,210	1,170	SOUTH ATLANTIC:				
Hartford, Conn.-----	63	43	2,102	2,142	Atlanta, Ga.-----	107	104	4,729	4,696
Lowell, Mass.-----	29	16	1,002	1,095	Baltimore, Md.-----	236	230	10,336	10,478
Lynn, Mass.-----	20	30	1,001	960	Charlotte, N. C.-----	29	42	1,553	1,489
New Bedford, Mass.-----	31	24	1,031	987	Jacksonville, Fla.-----	54	53	2,440	2,545
New Haven, Conn.-----	34	38	1,893	1,951	Miami, Fla.-----	69	78	2,986	3,053
Providence, R. I.-----	62	71	2,764	2,756	Norfolk, Va.-----	30	36	1,679	1,494
Somerville, Mass.-----	11	10	548	605	Richmond, Va.-----	56	70	3,316	3,215
Springfield, Mass.-----	144	42	2,907	1,796	Savannah, Ga.-----	25	30	1,409	1,401
Waterbury, Conn.-----	31	25	1,194	1,116	St. Petersburg, Fla.-----	(57)	(66)	(2,765)	(2,713)
Worcester, Mass.-----	56	33	2,347	2,284	Tampa, Fla.-----	57	69	2,675	2,761
MIDDLE ATLANTIC:					Washington, D. C.-----	188	181	8,262	8,327
Albany, N. Y.-----	38	49	2,185	2,107	Wilmington, Del.-----	39	39	1,626	1,586
Allentown, Pa.-----	28	37	1,470	1,384	EAST SOUTH CENTRAL:				
Buffalo, N. Y.-----	147	138	6,197	6,397	Birmingham, Ala.-----	79	79	3,522	3,719
Camden, N. J.-----	39	24	1,764	1,780	Chattanooga, Tenn.-----	43	56	1,976	2,040
Elizabeth, N. J.-----	30	31	1,278	1,260	Knoxville, Tenn.-----	23	28	1,226	1,147
erie, Pa.-----	37	38	1,564	1,507	Louisville, Ky.-----	119	94	4,850	4,671
Jersey City, N. J.-----	68	59	3,132	2,983	Memphis, Tenn.-----	126	105	4,830	4,920
Newark, N. J.-----	116	82	4,287	4,051	Mobile, Ala.-----	32	29	1,642	1,622
New York City, N. Y.-----	1,645	1,506	70,602	69,202	Montgomery, Ala.-----	37	44	1,415	1,435
Paterson, N. J.-----	38	32	1,653	1,746	Nashville, Tenn.-----	63	56	2,473	2,525
Philadelphia, Pa.-----	468	444	20,988	21,482	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	172	177	7,929	8,154	Austin, Tex.-----	30	33	1,367	1,392
Reading, Pa.-----	11	21	940	917	Baton Rouge, La.-----	36	21	1,159	1,191
Rochester, N. Y.-----	113	82	4,159	4,336	Corpus Christi, Tex.-----	21	33	899	894
Schenectady, N. Y.-----	30	27	1,067	964	Dallas, Tex.-----	117	123	5,063	4,906
Scranton, Pa.-----	136	35	2,547	1,482	El Paso, Tex.-----	40	24	1,554	1,530
Syracuse, N. Y.-----	39	56	2,678	2,667	Fort Worth, Tex.-----	69	68	2,696	2,589
Trenton, N. J.-----	46	34	1,838	2,005	Houston, Tex.-----	166	166	6,652	6,763
Utica, N. Y.-----	20	36	1,199	1,171	Little Rock, Ark.-----	39	35	2,286	2,332
Yonkers, N. Y.-----	37	35	1,355	1,301	New Orleans, La.-----	206	156	7,227	7,403
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	74	87	2,982	2,885
Akron, Ohio-----	57	61	2,507	2,394	San Antonio, Tex.-----	73	83	4,046	4,142
Canton, Ohio-----	30	31	1,427	1,330	Shreveport, La.-----	53	39	2,190	2,121
Chicago, Ill.-----	749	716	32,277	32,166	Tulsa, Okla.-----	39	42	2,061	2,126
Cincinnati, Ohio-----	138	153	6,801	6,885	MOUNTAIN:				
Cleveland, Ohio-----	210	189	8,951	8,887	Albuquerque, N. Mex.-----	23	35	1,279	1,200
Columbus, Ohio-----	114	128	5,013	4,941	Colorado Springs, Colo.-----	19	13	664	648
Dayton, Ohio-----	174	67	2,887	3,082	Denver, Colo.-----	120	94	4,922	4,790
Detroit, Mich.-----	367	296	14,032	13,595	Ogden, Utah-----	9	9	650	630
Evansville, Ind.-----	38	24	1,563	1,645	Phoenix, Ariz.-----	42	44	2,182	1,901
Flint, Mich.-----	29	33	1,718	1,606	Pueblo, Colo.-----	16	14	586	557
Fort Wayne, Ind.-----	135	37	2,556	1,473	Salt Lake City, Utah-----	59	49	2,072	2,051
Gary, Ind.-----	129	21	2,259	1,342	Tucson, Ariz.-----	24	23	1,009	855
Grand Rapids, Mich.-----	62	35	1,810	1,744	PACIFIC:				
Indianapolis, Ind.-----	141	114	5,906	5,564	Berkeley, Calif.-----	16	16	724	799
Madison, Wis.-----	(26)	(37)	(1,266)	(1,409)	Fresno, Calif.-----	(32)	(56)	(1,718)	(1,684)
Milwaukee, Wis.-----	144	117	5,474	5,638	Glendale, Calif.-----	(28)	(52)	(1,550)	(1,415)
Peoria, Ill.-----	27	31	1,248	1,381	Long Beach, Calif.-----	55	46	2,322	2,350
Rockford, Ill.-----	(23)	(19)	(1,179)	(1,108)	Los Angeles, Calif.-----	451	455	20,570	20,630
South Bend, Ind.-----	28	29	1,171	1,134	Oakland, Calif.-----	83	97	3,872	3,972
Toledo, Ohio-----	96	95	4,268	4,192	Pasadena, Calif.-----	38	27	1,353	1,485
Youngstown, Ohio-----	56	53	2,306	2,236	Portland, Oreg.-----	83	138	4,734	4,239
WEST NORTH CENTRAL:					Sacramento, Calif.-----	38	59	2,351	2,212
Des Moines, Iowa-----	47	49	2,285	2,323	San Diego, Calif.-----	75	63	3,489	3,518
Duluth, Minn.-----	27	38	1,078	1,070	San Francisco, Calif.-----	234	206	8,328	8,089
Kansas City, Kans.-----	130	25	2,523	1,203	San Jose, Calif.-----	(33)	(34)	(1,095)	(968)
Kansas City, Mo.-----	127	105	5,121	5,194	Seattle, Wash.-----	147	138	5,862	5,751
Lincoln, Nebr.-----	(32)	(30)	(1,115)	(1,067)	Spokane, Wash.-----	52	46	2,132	1,958
Minneapolis, Minn.-----	124	127	5,286	5,359	Tacoma, Wash.-----	27	37	1,736	1,685
Omaha, Nebr.-----	74	70	3,042	2,977	Honolulu, Hawaii-----	(42)	(30)	(1,635)	(1,566)

¹Estimated.

²Includes estimate for current 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, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted below table 1.

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