

# Morbidity and Mortality

Weekly  
Report

## PUBLIC HEALTH SERVICE

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

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Worth 3-4744

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Vol. 9, No. 44

### Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended November 5, 1960

For the current week ended November 5 a total of 87 cases of poliomyelitis was reported; 63 of these were paralytic. For the preceding week the total was 119, including 79 paralytic cases, and for the week ended November 7, 1959, the total was 180 cases of which 136 were classified as paralytic.

A total of 51 cases of diphtheria was reported for the current week. Three States, Florida, Kentucky, and Louisiana, reported 9 cases each. Eleven cases had been reported in Louisiana for the preceding 2 weeks. Information has been received of an outbreak in Kentucky with one case being in an adult and the rest in schoolchildren.

Page 2 contains a chart showing the number of cases of infectious and serum hepatitis reported each month during the period 1957 through October of 1960. Figures for 1960 are provisional. Final figures for the calendar years 1957, 1958, and 1959 were 14,922, 16,294, and 23,574 cases, respectively. So far this year, 32,992 cases have been reported. The highest annual figure was 50,093 cases in 1954.

### EPIDEMIOLOGICAL REPORTS

#### Aseptic meningitis

The Kansas communicable disease summary for the month of September states that episodes of Coxsackie virus infections have been increasing in various parts of the State. Some have been frank cases of aseptic meningitis with mild to severe headache, fever, and stiffness and aching of the neck and back muscles. Other cases have been accompanied by influenza-like or gastrointestinal symptoms. The State Public Health Laboratories have confirmed 14 cases as being Type B-5 infection, 5 as being Type B-4, and 2 as Type B-2. These cases occurred in 8 different counties.

#### Arthropod-borne encephalitis

The Kansas State Board of Health reported that 2 cases of arthropod-borne encephalitis have been confirmed in that State

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	44th week			Cumulative						Approximate seasonal low point
	Ended Nov. 5, 1960 <sup>1</sup>	Ended Nov. 7, 1959	Median 1955-59	First 44 weeks			Since seasonal low week			
				1960 <sup>1</sup>	1959	Median 1955-59	1959-60 <sup>1</sup>	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	-	-	15	12	17	(2)	(2)	(2)	(2)
Botulism-----049.1	-	1	-	10	21	11	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	10	11	15	668	633	813	(2)	(2)	(2)	(2)
Diphtheria-----055	51	33	41	626	729	906	297	332	404	July 1
Encephalitis, infectious-----082	29	57	32	1,630	1,924	1,924	1,017	1,346	1,346	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	870	509	281	32,992	18,954	16,420	7,489	3,831	2,677	Sept. 1
Malaria-----110-117	1	1	4	62	66	139	(2)	(2)	(2)	(2)
Measles-----085	1,308	1,611	1,611	408,866	373,402	526,616	9,108	10,087	10,130	Sept. 1
Meningitis, aseptic-----340 pt.	70	-	-	2,647	-	-	-	-	-	-
Meningococcal infections-----057	46	34	49	1,874	1,912	2,196	339	345	388	Sept. 1
Poliomyelitis-----080	87	180	180	2,899	7,666	7,666	2,682	7,373	7,373	Apr. 1
Paralytic-----080.0,080.1	63	136	136	1,986	5,039	5,039	1,833	4,831	4,831	Apr. 1
Nonparalytic-----080.2	10	34	34	602	2,012	2,710	565	1,964	2,544	Apr. 1
Unspecified-----080.3	14	10	27	311	615	881	284	578	792	Apr. 1
Psittacosis-----096.2	3	4	4	87	95	220	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	2	4	4	(2)	(2)	(2)	(2)
Streptococcal sore throat, including scarlet fever-----050,051	4,425	-	-	259,875	-	-	-	-	-	-
Typhoid fever-----040	18	25	25	721	749	1,172	594	622	911	Apr. 1
Typhus fever, endemic-----101	1	-	-	57	40	89	52	34	69	Apr. 1
Rabies in animals-----	52	67	69	2,985	3,293	3,951	214	347	334	Oct. 1

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

<sup>2</sup>Data show no pronounced seasonal change in incidence.

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### EPIDEMIOLOGICAL REPORTS—Continued

by laboratory tests. One case of western equine encephalitis occurred in a 70-year-old housewife in Cloud County and a case of St. Louis encephalitis occurred in a 14-year-old boy in Kearny County.

#### Rabies in bats

Dr. Oscar Sussman and Mr. John H. Spooner, New Jersey State Department of Health, reported the presence of rabies in a bat (*Myotis lucifugus*) which had bitten an 11-year-old boy on the palm of his hand. The bat had flown through a broken window of the basement of the house belonging to the boy's aunt in Somerset County. The bat flew at the woman who knocked it down and then put it in a jar and covered it with a net. She gave it to her nephew who brought it to his school science class. It was during the course of viewing the bat in the class that the boy was bitten. The boy's physician instituted anti-rabies vaccination after definite evidence of rabies was indicated following a laboratory test. Positive identification of the virus was not possible until second passage through mice.

#### Gastroenteritis

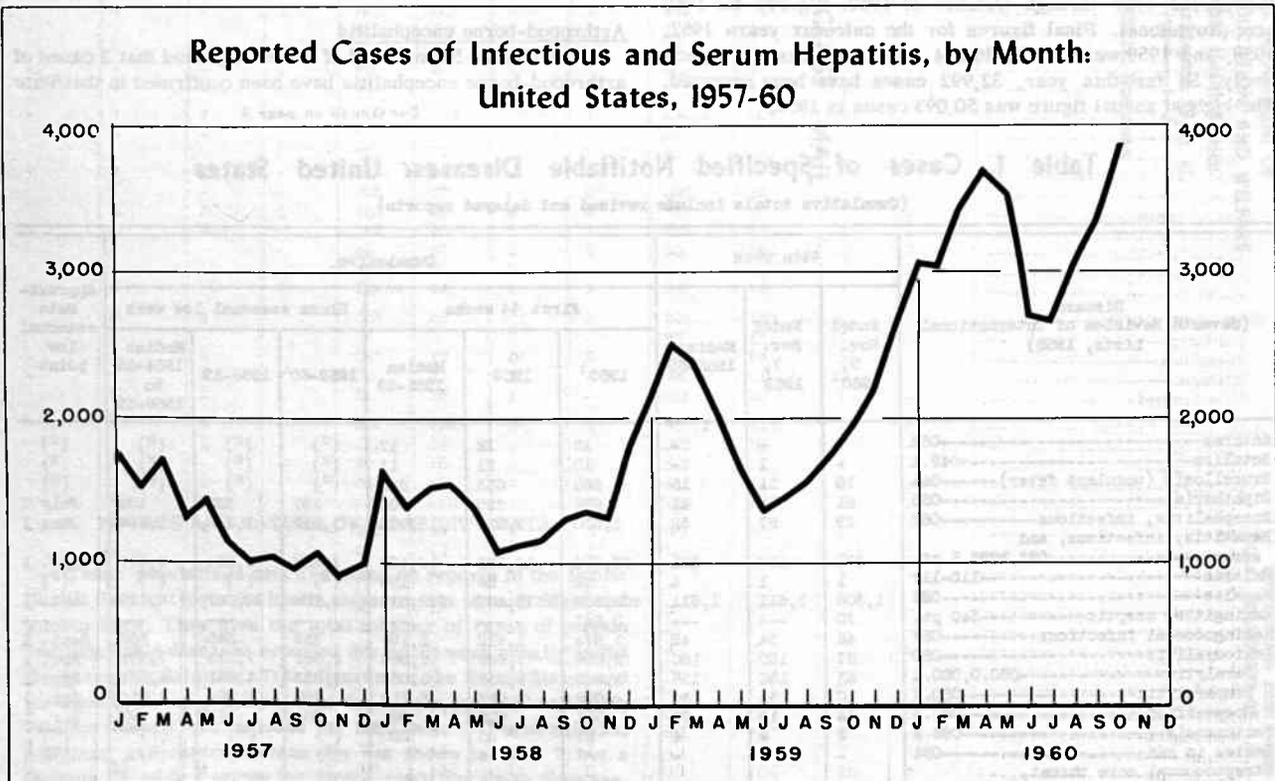
Dr. Charles T. Caraway, Louisiana State Board of Health, supplied information on an outbreak of gastroenteritis among persons attending a party or who ate the suspect food brought home from the party. The suspect food was boiled shrimp obtained from a bar and grill and served with beer and relishes. Of 29 persons who were interviewed, 19 were ill; also 4 of 14

family members who did not attend the party were ill. All the ill persons ate shrimp and those who were not at the party ate shrimp only. The incubation ranged from 8 to 29 hours except for one person who stated he became ill within a half-hour after eating. The duration of illness ranged from 1 to 3 days. Ten persons suffered a recurrence of symptoms after being asymptomatic for 1 or 2 days. The most common symptoms were diarrhea and abdominal cramps; some individuals also suffered fever, nausea, vomiting, and chills. The proprietor of the bar and grill stated he had purchased the shrimp fresh the day of the party. After boiling, the shrimp were placed in baskets obtained second-hand from a market, then were kept at room temperature for several hours until called for. The proprietor stated the baskets were lined completely with paper before placing the shrimp in them, but other persons said the baskets were not so lined. One person who regularly handles shrimp for parties said the shrimp "definitely were not cooked the day that they were brought to the party." Several persons said the shrimp did not look or taste good. Samples of shrimp were examined in the laboratory and found negative both bacteriologically and chemically. Stool specimens from 9 patients were negative for *Salmonella* and *Shigella* organisms. Numerous unsanitary conditions and practices were noted at the catering establishment.

### QUARANTINE MEASURES

Immunization Information for International Travel  
No changes reported

Reported Cases of Infectious and Serum Hepatitis, by Month:  
 United States, 1957-60



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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 7, 1959, AND NOVEMBER 5, 1960**

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

Area	Poliomyelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undul- ant fever) 044
	Total <sup>1</sup>				Paralytic 080.0, 080.1				Nonparalytic			
	44th week		Cumulative, first 44 weeks		44th week		Cumulative, first 44 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES <sup>2</sup> -----	87	180	2,899	7,666	63	136	1,986	5,039	10	34	70	10
NEW ENGLAND-----	4	13	218	346	4	11	171	268	-	-	2	-
Maine-----	-	7	43	75	-	7	42	75	-	-	-	-
New Hampshire-----	-	1	-	5	-	1	-	4	-	-	-	-
Vermont-----	2	-	9	5	2	-	4	5	-	-	-	-
Massachusetts-----	-	2	29	139	-	-	19	101	-	-	2	-
Rhode Island-----	1	-	102	10	1	-	78	7	-	-	-	-
Connecticut-----	1	3	35	112	1	3	28	76	-	-	-	-
MIDDLE ATLANTIC-----	15	25	429	713	10	24	302	468	3	1	12	1
New York-----	7	21	236	439	3	21	153	265	2	-	10	1
New Jersey-----	1	-	80	129	1	-	59	85	-	-	2	-
Pennsylvania-----	7	4	113	145	6	3	90	118	1	1	-	-
EAST NORTH CENTRAL-----	16	33	493	1,162	8	14	288	507	3	13	10	1
Ohio-----	1	5	112	259	-	2	57	115	-	2	-	-
Indiana-----	9	4	120	140	6	1	80	100	1	3	1	-
Illinois-----	4	11	137	290	2	6	90	148	1	3	4	1
Michigan-----	1	9	89	426	-	5	50	121	1	4	5	-
Wisconsin-----	1	4	35	47	-	-	11	23	-	1	-	-
WEST NORTH CENTRAL-----	6	11	167	1,457	5	8	97	796	1	2	11	6
Minnesota-----	1	5	53	228	1	5	44	184	-	-	10	-
Iowa-----	-	3	21	415	-	2	3	218	-	1	-	6
Missouri-----	5	2	41	474	4	-	30	258	1	1	1	-
North Dakota-----	-	-	14	13	-	-	5	6	-	-	-	-
South Dakota-----	-	-	4	14	-	-	1	1	-	-	-	-
Nebraska-----	-	1	15	134	-	1	8	69	-	-	-	-
Kansas-----	-	-	19	179	-	-	6	60	-	-	-	-
SOUTH ATLANTIC-----	24	30	536	1,161	19	25	414	921	3	4	7	-
Delaware-----	-	-	-	9	-	-	-	7	-	-	-	-
Maryland-----	8	-	141	38	7	-	127	37	1	-	-	-
District of Columbia-----	-	-	5	6	-	-	5	5	-	-	4	-
Virginia-----	3	8	38	268	3	8	35	230	-	-	1	-
West Virginia-----	5	5	55	178	3	4	45	146	1	1	1	-
North Carolina-----	1	5	87	252	1	3	56	215	-	2	-	-
South Carolina-----	2	1	126	80	2	1	84	44	-	-	-	-
Georgia-----	1	7	20	150	1	6	18	116	-	1	-	-
Florida-----	4	4	64	180	2	3	44	121	1	-	1	-
EAST SOUTH CENTRAL-----	5	19	232	793	1	15	93	601	-	4	3	-
Kentucky-----	4	2	129	94	-	2	5	75	-	-	1	-
Tennessee-----	1	12	44	349	1	10	29	263	-	2	-	-
Alabama-----	-	3	21	240	-	2	21	202	-	1	-	-
Mississippi-----	-	2	38	110	-	1	38	61	-	1	2	-
WEST SOUTH CENTRAL-----	4	13	265	1,086	4	9	165	709	-	4	3	-
Arkansas-----	-	3	31	291	-	2	22	221	-	1	-	-
Louisiana-----	1	4	49	131	1	4	30	92	-	-	-	-
Oklahoma-----	1	1	17	146	1	-	12	82	-	1	-	-
Texas-----	2	5	168	518	2	3	101	314	-	2	3	-
MOUNTAIN-----	7	3	86	180	6	1	45	102	-	2	9	-
Montana-----	1	-	21	10	1	-	15	4	-	-	1	-
Idaho-----	1	-	9	6	-	-	1	-	-	-	-	-
Wyoming-----	-	-	19	2	-	-	1	1	-	-	5	-
Colorado-----	4	-	19	25	4	-	18	17	-	-	2	-
New Mexico-----	-	-	7	41	-	-	3	24	-	-	1	-
Arizona-----	1	1	5	80	1	-	5	50	-	1	-	-
Utah-----	-	1	6	10	-	1	2	3	-	-	-	-
Nevada-----	-	1	-	6	-	-	-	3	-	1	-	-
PACIFIC <sup>2</sup> -----	6	33	473	768	6	29	411	667	-	-	-	2
Washington-----	---	8	234	186	---	8	234	186	---	-	13	---
Oregon-----	1	1	34	155	1	1	19	121	-	-	-	1
California-----	5	23	396	407	5	19	349	346	-	4	13	1
Alaska-----	-	1	2	20	-	1	2	14	-	-	-	-
Hawaii-----	-	-	7	(5)	-	-	7	(5)	-	-	-	-
Puerto Rico-----	5	-	480	4	5	-	474	3	-	-	1	-

<sup>1</sup>Includes cases not specified by type, category number 080.3.

<sup>2</sup>Data exclude report from Washington for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 7, 1959, AND NOVEMBER 5, 1960—Continued

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

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092.N998.5 pt.				Measles	
	44th week		Cumulative, first 44 weeks		082		44th week		Cumulative, first 44 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES <sup>2</sup> -----	51	33	626	729	29	57	870	509	32,992	18,954	1,308	1,611
NEW ENGLAND-----	1	-	12	5	-	-	21	18	959	626	145	159
Maine-----	-	-	2	-	-	-	3	-	61	88	4	6
New Hampshire-----	-	-	-	-	-	-	-	-	27	15	1	-
Vermont-----	-	-	-	-	-	-	-	-	13	23	5	24
Massachusetts-----	1	-	9	5	-	-	7	10	474	311	96	116
Rhode Island-----	-	-	1	-	-	-	3	2	186	65	23	1
Connecticut-----	-	-	-	-	-	-	8	6	198	124	16	12
MIDDLE ATLANTIC-----	2	-	15	48	7	8	142	58	4,069	2,618	283	84
New York-----	1	-	4	25	3	3	80	35	2,232	1,670	135	66
New Jersey-----	-	-	2	9	3	3	12	5	284	302	36	6
Pennsylvania-----	1	-	9	14	1	2	50	18	1,555	846	112	12
EAST NORTH CENTRAL-----	1	-	40	27	2	9	183	60	5,919	2,936	369	398
Ohio-----	-	-	16	9	1	1	71	16	2,022	848	72	55
Indiana-----	-	-	6	4	-	3	16	8	664	270	19	17
Illinois-----	-	-	6	9	-	2	55	16	1,289	652	52	121
Michigan-----	1	-	10	3	1	2	36	17	1,733	981	96	107
Wisconsin-----	-	-	2	2	-	1	5	3	211	185	130	98
WEST NORTH CENTRAL-----	4	-	45	55	4	3	24	44	2,295	1,481	62	142
Minnesota-----	2	-	21	22	-	-	9	8	346	373	2	59
Iowa-----	1	-	8	3	-	-	2	2	372	127	23	3
Missouri-----	-	-	2	6	-	-	3	5	795	367	3	2
North Dakota-----	-	-	2	2	-	-	-	15	163	307	33	77
South Dakota-----	1	-	9	3	-	-	2	12	141	60	-	-
Nebraska-----	-	-	1	19	2	-	5	2	237	78	1	1
Kansas-----	-	-	2	-	2	3	3	-	241	149	(*)	(*)
SOUTH ATLANTIC-----	15	15	197	225	6	6	90	44	3,827	1,707	132	58
Delaware-----	-	-	-	-	-	-	5	6	228	110	2	5
Maryland-----	-	-	1	7	2	-	7	7	378	352	6	6
District of Columbia-----	-	-	-	-	-	-	2	2	49	17	-	2
Virginia-----	3	-	35	12	2	3	5	8	689	420	20	29
West Virginia-----	-	-	4	3	-	-	26	9	717	267	11	15
North Carolina-----	2	2	13	22	-	1	7	-	350	107	18	-
South Carolina-----	-	-	46	27	-	-	5	1	134	47	27	-
Georgia-----	1	12	34	80	-	-	11	3	251	120	1	1
Florida-----	9	1	64	74	2	2	22	8	1,031	267	47	-
EAST SOUTH CENTRAL-----	12	14	73	94	1	-	134	98	4,686	1,876	23	78
Kentucky-----	9	-	13	9	-	-	29	62	1,661	898	-	13
Tennessee-----	-	-	7	8	1	-	53	23	1,560	433	17	48
Alabama-----	1	14	28	36	-	-	35	12	1,027	400	6	15
Mississippi-----	2	-	25	41	-	-	17	1	438	145	-	2
WEST SOUTH CENTRAL-----	15	4	207	242	-	9	53	28	2,572	1,518	69	192
Arkansas-----	2	-	16	37	-	3	6	2	170	75	-	1
Louisiana-----	9	-	55	75	-	-	5	2	152	111	-	-
Oklahoma-----	1	-	19	3	-	-	3	3	307	210	-	1
Texas-----	3	4	117	127	-	6	39	21	1,943	1,122	69	190
MOUNTAIN-----	1	-	36	18	1	5	66	57	2,573	2,445	98	205
Montana-----	-	-	3	-	-	-	2	1	130	209	20	44
Idaho-----	-	-	11	-	-	1	8	7	285	292	20	35
Wyoming-----	-	-	5	-	-	1	-	1	29	53	2	1
Colorado-----	-	-	3	7	-	-	24	12	944	745	7	26
New Mexico-----	-	-	4	8	-	-	5	16	289	447	-	27
Arizona-----	-	-	3	2	1	-	12	15	570	496	31	13
Utah-----	1	-	7	-	-	3	4	4	235	181	15	59
Nevada-----	-	-	-	1	-	-	11	1	91	22	3	-
PACIFIC <sup>2</sup> -----	-	-	1	15	8	17	157	102	6,092	3,547	127	295
Washington-----	-	-	2	-	-	-	-	13	726	483	-	142
Oregon-----	-	-	4	-	-	-	23	13	983	731	35	40
California-----	-	-	-	6	7	17	107	75	4,088	2,265	86	105
Alaska-----	-	-	1	5	1	-	26	1	217	68	-	8
Hawaii-----	-	-	-	(2)	-	-	1	-	78	(42)	6	(178)
Puerto Rico-----	2	-	122	27	-	-	20	21	660	266	26	18

<sup>2</sup>Data exclude report from Washington for the current week.

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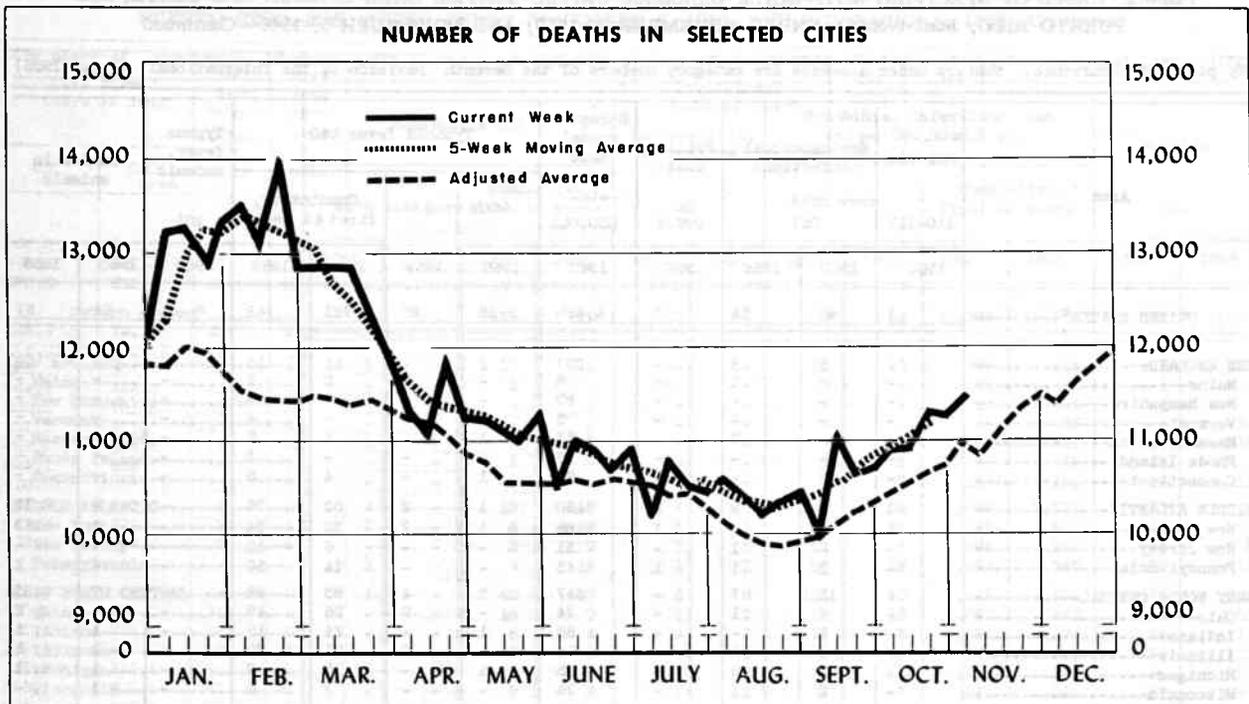
**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 7, 1959, AND NOVEMBER 5, 1960—Continued**

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

Area	Malaria		Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117		057		096.2	050,051	44th week		Cumulative, first 44 weeks		101		
	1960	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959	
UNITED STATES <sup>2</sup> -----	1	46	34	3	4,425	18	25	721	749	1	52	67	
NEW ENGLAND-----	-	5	3	-	207	2	-	11	15	-	-	-	
Maine-----	-	-	1	-	8	-	-	2	2	-	-	-	
New Hampshire-----	-	-	-	-	20	-	-	-	-	-	-	-	
Vermont-----	-	-	-	-	3	-	-	-	-	-	-	-	
Massachusetts-----	-	-	2	-	67	1	-	5	5	-	-	-	
Rhode Island-----	-	-	-	-	16	-	-	-	3	-	-	-	
Connecticut-----	-	5	-	-	93	1	-	4	5	-	-	-	
MIDDLE ATLANTIC-----	1	2	9	2	160	1	2	52	76	-	4	14	
New York-----	1	1	7	1	86	1	2	32	34	-	4	13	
New Jersey-----	-	-	1	-	31	-	-	6	12	-	-	-	
Pennsylvania-----	-	1	1	1	43	-	-	14	30	-	-	1	
EAST NORTH CENTRAL-----	-	11	7	-	347	2	4	93	98	-	5	5	
Ohio-----	-	4	1	-	74	-	2	26	49	-	-	2	
Indiana-----	-	1	-	-	68	1	-	24	15	-	1	1	
Illinois-----	-	2	3	-	54	-	2	21	20	-	2	1	
Michigan-----	-	2	2	-	75	1	-	15	8	-	1	1	
Wisconsin-----	-	2	1	-	76	-	-	7	6	-	1	-	
WEST NORTH CENTRAL-----	-	4	1	-	140	3	-	44	46	-	5	13	
Minnesota-----	-	3	-	-	14	-	-	1	1	-	-	5	
Iowa-----	-	-	1	-	38	2	-	11	8	-	3	3	
Missouri-----	-	-	-	-	4	1	-	23	17	-	1	4	
North Dakota-----	-	1	-	-	75	-	-	1	5	-	-	-	
South Dakota-----	-	-	-	-	3	-	-	3	3	-	1	-	
Nebraska-----	-	-	-	-	-	-	-	3	5	-	-	1	
Kansas-----	-	-	-	-	6	-	-	2	7	-	-	-	
SOUTH ATLANTIC-----	-	13	3	-	300	2	3	108	131	-	5	7	
Delaware-----	-	-	-	-	13	-	1	1	2	-	-	-	
Maryland-----	-	1	-	-	14	-	-	5	5	-	-	-	
District of Columbia-----	-	-	-	-	1	-	-	8	4	-	-	-	
Virginia-----	-	2	2	-	49	-	-	23	27	-	3	1	
West Virginia-----	-	3	-	-	64	1	1	11	15	-	2	5	
North Carolina-----	-	1	1	-	25	-	-	9	11	-	-	1	
South Carolina-----	-	-	-	-	32	-	-	12	11	-	-	-	
Georgia-----	-	5	-	-	-	-	-	26	28	-	-	-	
Florida-----	-	1	-	-	102	1	1	13	28	-	-	-	
EAST SOUTH CENTRAL-----	-	2	2	-	855	3	5	106	107	-	6	10	
Kentucky-----	-	1	-	-	90	-	1	24	17	-	1	3	
Tennessee-----	-	1	2	-	731	-	3	55	55	-	4	2	
Alabama-----	-	-	-	-	30	2	1	21	19	-	1	5	
Mississippi-----	-	-	-	-	4	1	-	6	16	-	-	-	
WEST SOUTH CENTRAL-----	-	3	4	-	657	1	8	197	154	1	27	17	
Arkansas-----	-	-	-	-	6	-	2	50	32	-	17	3	
Louisiana-----	-	1	-	-	4	-	2	58	21	-	-	1	
Oklahoma-----	-	-	2	-	11	-	-	12	16	-	-	-	
Texas-----	-	2	2	-	636	1	4	77	85	1	10	13	
MOUNTAIN-----	-	2	3	1	1,190	4	-	43	40	-	-	-	
Montana-----	-	-	-	-	31	2	-	13	2	-	-	-	
Idaho-----	-	-	-	-	13	-	-	3	5	-	-	-	
Wyoming-----	-	-	1	-	101	-	-	4	7	-	-	-	
Colorado-----	-	2	2	-	400	-	-	1	4	-	-	-	
New Mexico-----	-	-	-	-	306	2	-	12	15	-	-	-	
Arizona-----	-	-	-	1	163	-	-	8	6	-	-	-	
Utah-----	-	-	-	-	172	-	-	2	1	-	-	-	
Nevada-----	-	-	-	-	4	-	-	-	-	-	-	-	
PACIFIC <sup>2</sup> -----	-	4	2	-	569	-	3	67	82	-	-	1	
Washington-----	-	-	-	-	-	-	-	25	2	-	-	-	
Oregon-----	-	1	-	-	36	-	-	8	7	-	-	-	
California-----	-	3	2	-	525	-	3	53	69	-	-	1	
Alaska-----	-	-	-	-	1	-	-	1	4	-	-	-	
Hawaii-----	-	-	-	-	7	-	-	-	(1)	-	-	-	
Puerto Rico-----	-	-	-	-	3	-	-	19	16	-	-	-	

<sup>2</sup>Data exclude report from Washington for the current week.

## Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 117 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 for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1955-59, 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 4.0 percent to allow for estimated population growth in the cities and surrounding areas.

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 selected cities. 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 used.

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 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	44th week ended Nov. 5, 1960	43d week ended Oct. 29, 1960	Adjusted average, 44th week 1955-59	Percent change, adjusted average to current week <sup>1</sup>	Cumulative, first 44 weeks		
					1960	1959	Percent change
<b>TOTAL, 117 REPORTING CITIES</b> -----	<sup>2</sup> 11,459	11,245	10,955	+4.6	<sup>2</sup> 505,214	492,391	+2.6
New England----- (14 cities)	2,723	721	716	+1.0	<sup>2</sup> 31,730	30,874	+2.8
Middle Atlantic----- (20 cities)	3,184	3,217	3,267	-2.5	140,394	140,898	-0.4
East North Central----- (21 cities)	2,550	2,466	2,477	+2.9	109,342	106,996	+2.2
West North Central----- (9 cities)	794	844	812	-2.2	35,163	33,995	+3.4
South Atlantic----- (11 cities)	978	943	948	+3.2	43,278	41,949	+3.2
East South Central----- (8 cities)	485	480	515	-5.8	22,826	22,459	+1.6
West South Central----- (13 cities)	1,011	913	939	+7.7	44,008	41,093	+7.1
Mountain----- (8 cities)	392	347	290	+35.2	15,846	13,682	+15.8
Pacific----- (13 cities)	1,342	1,314	1,409	-4.8	62,627	60,445	+3.6

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

<sup>2</sup>Includes estimates for missing cities.

# Morbidity and Mortality Weekly Report

**Table 4. DEATHS IN SELECTED CITIES**

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

Area	44th week ended Nov. 5, 1960	43d week ended Oct. 29, 1960	Cumulative, first 44 weeks		Area	44th week ended Nov. 5, 1960	43d week ended Oct. 29, 1960	Cumulative, first 44 weeks						
			1960	1959				1960	1959					
<b>NEW ENGLAND:</b>														
Boston, Mass.-----	<sup>1</sup> 243	247	<sup>2</sup> 11,069	10,526	WEST NORTH CENTRAL—Con.:									
Bridgeport, Conn.-----	<sup>1</sup> 30	39	<sup>2</sup> 1,783	1,724	St. Louis, Mo.-----	227	233	10,761	10,303					
Cambridge, Mass.-----	31	27	1,363	1,247	St. Paul, Minn.-----	70	75	3,052	2,864					
Fall River, Mass.-----	28	32	1,241	1,236	Wichita, Kans.-----	45	37	2,025	2,074					
Hartford, Conn.-----	45	57	2,149	2,144	<b>SOUTH ATLANTIC:</b>									
Lowell, Mass.-----	30	18	1,048	1,031	Atlanta, Ga.-----	114	122	5,147	4,850					
Lynn, Mass.-----	25	21	1,069	1,017	Baltimore, Md.-----	262	231	11,049	10,573					
New Bedford, Mass.-----	30	24	1,074	1,061	Charlotte, N.C.-----	34	44	1,706	1,595					
New Haven, Conn.-----	58	33	1,967	1,954	Jacksonville, Fla.-----	59	54	2,594	2,499					
Providence, R.I.-----	71	75	2,810	2,825	Miami, Fla.-----	65	54	3,157	3,055					
Somerville, Mass.-----	10	13	577	560	Norfolk, Va.-----	46	34	1,756	1,722					
Springfield, Mass.-----	42	45	1,963	1,932	Richmond, Va.-----	65	77	3,406	3,389					
Waterbury, Conn.-----	27	31	1,207	1,217	Savannah, Ga.-----	37	34	1,469	1,440					
Worcester, Mass.-----	53	59	2,390	2,400	St. Petersburg, Fla.-----	(72)	(61)	(3,079)	(2,819)					
<b>MIDDLE ATLANTIC:</b>														
Albany, N.Y.-----	49	52	1,892	2,222	Tampa, Fla.-----	41	71	2,868	2,731					
Allentown, Pa.-----	29	31	1,522	1,512	Washington, D.C.-----	216	187	8,462	8,439					
Buffalo, N.Y.-----	146	122	6,390	6,340	Wilmingon, Del.-----	39	35	1,664	1,656					
Camden, N.J.-----	50	47	1,860	1,800	<b>EAST SOUTH CENTRAL:</b>									
Elizabeth, N.J.-----	34	26	1,284	1,318	Birmingham, Ala.-----	83	65	3,690	3,611					
erie, Pa.-----	39	38	1,696	1,620	Chatanooga, Tenn.-----	57	34	2,073	2,023					
Jersey City, N.J.-----	65	67	3,121	3,182	Knoxville, Tenn.-----	23	38	1,239	1,254					
Newark, N.J.-----	88	92	4,271	4,377	Louisville, Ky.-----	124	87	5,024	4,951					
New York City, N.Y.-----	1,673	1,708	71,669	72,243	Memphis, Tenn.-----	67	108	4,846	4,947					
Paterson, N.J.-----	28	40	1,676	1,703	Mobile, Ala.-----	40	39	1,809	1,683					
Philadelphia, Pa.-----	435	437	21,401	21,339	Montgomery, Ala.-----	35	39	1,524	1,450					
Pittsburgh, Pa.-----	194	214	8,448	8,112	Nashville, Tenn.-----	56	70	2,621	2,540					
Reading, Pa.-----	27	27	1,047	959	<b>WEST SOUTH CENTRAL:</b>									
Rochester, N.Y.-----	112	110	4,423	4,249	Austin, Tex.-----	26	23	1,483	1,398					
Schenectady, N.Y.-----	16	24	1,029	1,087	Baton Rouge, La.-----	15	27	1,258	1,191					
Scranton, Pa.-----	44	35	1,648	1,601	Corpus Christi, Tex.-----	20	24	1,031	915					
Syracuse, N.Y.-----	61	60	2,735	2,743	Dallas, Tex.-----	145	129	5,463	5,182					
Trenton, N.J.-----	38	36	1,807	1,862	El Paso, Tex.-----	33	34	1,663	1,593					
Utica, N.Y.-----	28	26	1,190	1,236	Fort Worth, Tex.-----	85	61	2,929	2,759					
Yonkers, N.Y.-----	28	25	1,335	1,387	Houston, Tex.-----	197	128	7,401	6,759					
<b>EAST NORTH CENTRAL:</b>														
Akron, Ohio-----	54	46	2,484	2,560	Little Rock, Ark.-----	60	53	2,499	2,335					
Canton, Ohio-----	30	32	1,523	1,467	New Orleans, La.-----	178	159	7,811	7,398					
Chicago, Ill.-----	776	726	33,706	32,984	Oklahoma City, Okla.-----	81	61	3,295	3,060					
Cincinnati, Ohio-----	141	147	6,893	6,945	San Antonio, Tex.-----	91	91	4,406	4,146					
Cleveland, Ohio-----	230	230	9,281	9,144	Shreveport, La.-----	46	50	2,369	2,235					
Columbus, Ohio-----	138	111	5,180	5,144	Tulsa, Okla.-----	34	73	2,400	2,122					
Dayton, Ohio-----	95	87	3,309	2,960	<b>MOUNTAIN:</b>									
Detroit, Mich.-----	350	341	14,894	14,351	Albuquerque, N. Mex.-----	47	38	1,378	1,309					
Evansville, Ind.-----	51	32	1,618	1,597	Colorado Springs, Colo.-----	8	23	733	687					
Flint, Mich.-----	31	51	1,766	1,754	Denver, Colo.-----	142	115	5,262	5,043					
Fort Wayne, Ind.-----	42	32	1,609	1,586	Ogden, Utah-----	17	13	730	661					
Gary, Ind.-----	27	30	1,356	1,305	Phoenix, Ariz.-----	84	57	3,336	2,225					
Grand Rapids, Mich.-----	30	36	1,796	1,849	Pueblo, Colo.-----	17	16	722	609					
Indianapolis, Ind.-----	136	155	6,382	6,047	Salt Lake City, Utah-----	45	47	2,130	2,128					
Madison, Wis.-----	47	32	1,399	1,303	Tucson, Ariz.-----	32	38	1,555	1,020					
Milwaukee, Wis.-----	115	105	5,469	5,600	<b>PACIFIC:</b>									
Peoria, Ill.-----	37	38	1,347	1,279	Berkeley, Calif.-----	21	13	746	740					
Rockford, Ill.-----	37	40	1,261	1,208	Fresno, Calif.-----	---	(44)	---	(1,760)					
South Bend, Ind.-----	32	39	1,294	1,197	Glendale, Calif.-----	(24)	(26)	(1,638)	(1,593)					
Toledo, Ohio-----	101	93	4,365	4,367	Honolulu, Hawaii-----	32	37	1,797	1,660					
Youngstown, Ohio-----	50	63	2,410	2,349	Long Beach, Calif.-----	46	63	2,381	2,369					
<b>WEST NORTH CENTRAL:</b>														
Des Moines, Iowa-----	65	66	2,417	2,338	Los Angeles, Calif.-----	490	464	22,041	21,094					
Duluth, Minn.-----	19	22	1,111	1,110	Oakland, Calif.-----	78	81	4,199	3,963					
Kansas City, Kans.-----	24	52	1,540	1,563	Pasadena, Calif.-----	35	30	1,509	1,381					
Kansas City, Mo.-----	149	129	5,522	5,246	Portland, Oreg.-----	88	89	4,801	4,820					
Lincoln, Nebr.-----	(36)	(18)	(1,144)	(1,146)	Sacramento, Calif.-----	67	38	2,544	2,418					
Minneapolis, Minn.-----	113	138	5,488	5,390	San Diego, Calif.-----	77	101	4,001	3,583					
Omaha, Nebr.-----	82	92	3,247	3,107	San Francisco, Calif.-----	189	200	8,690	8,472					
					San Jose, Calif.-----	(41)	(37)	(1,528)	(1,124)					
					Seattle, Wash.-----	124	109	6,031	6,003					
					Spokane, Wash.-----	51	56	2,102	2,172					
					Tacoma, Wash.-----	44	33	1,785	1,770					

<sup>1</sup>Estimated.

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

# Morbidity and Mortality Weekly Report

## EXPLANATION OF SYMBOLS USED IN TABLES

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

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## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for Alaska for 1959 and 1960; data for Hawaii are included for 1960 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 are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, small-pox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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