

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

For release August 26, 1960

Washington 25, D. C.

Vol. 9, No. 33

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended August 20, 1960

For the week ended August 20, there were reported 154 cases of poliomyelitis, of which 94 were paralytic cases. For the previous week the revised total was 128, including 96 paralytic. The figures for the current week are less than one-third those reported for the comparable week in 1959 and are also less than for 1958, but the number of paralytic cases is slightly larger than reported for the same week in 1957. The cumulative number of paralytic cases for 1960 is now less than for 1957, 1958, and 1959. The number of cases reported weekly during this summer is similar to the trend in the summer of 1957.

While the number of paralytic cases reported for the current week is about the same as for the preceding week it is probable that some of the unspecified cases reported in Indiana and Kentucky for the current week will be designated as paralytic at a later date. Most of the 14 unspecified cases reported in Kentucky occurred in Taylor County.

Seven of the 14 cases in New York State were located in New York City, and the 4 cases in Maryland all occurred in Baltimore. Eleven of the 25 paralytic cases in California were reported in Los Angeles County and 4 each in Sacramento and Orange Counties. Two deaths were reported in Illinois and 1 in California.

Of the 12 cases of poliomyelitis reported in Pennsylvania for the current week, 8 occurred in Somerset County. So far this year 31 cases have been reported in the State, of which 10 have been in Somerset County (population 77,082). Seven of these 10 cases are paralytic. One case was fatal and 2 persons are presently in respirators. The onset dates of these 10 cases are as follows: May 16; June 19; July 22 (2 cases), 27, and 28; August 8, 11 (2 cases), and 12. They have occurred in 6 communities of the county, 4 being in the city of Somerset. Four of the cases had not been vaccinated, 2 had received 2

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)	33d week			Cumulative						Approximate seasonal low point
	Ended Aug. 20, 1960 ¹	Ended Aug. 22, 1959	Median 1955-59	First 33 weeks			Since seasonal low week			
				1960 ¹	1959	Median 1955-59	1959-60 ¹	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	1	1	10	12	13	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	8	12	6	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	19	14	17	535	500	636	(2)	(2)	(2)	(2)
Diphtheria-----055	5	10	10	385	472	576	56	75	104	July 1
Encephalitis, infectious-----082	51	62	53	1,107	1,121	1,097	494	543	543	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	725	392	278	24,136	14,420	13,260	32,566	19,856	19,856	Sept. 1
Malaria-----110-117	7	1	4	44	48	95	(2)	(2)	(2)	(2)
Measles-----085	1,534	1,315	1,315	397,556	361,103	516,754	437,025	415,103	572,504	Sept. 1
Meningitis, aseptic-----340 pt.	136	---	---	1,363	---	---	---	---	---	---
Meningococcal infections-----057	30	22	32	1,486	1,541	1,688	2,150	2,407	2,697	Sept. 1
Poliomyelitis-----080	154	477	477	1,235	3,397	3,578	1,018	3,104	3,104	Apr. 1
Paralytic-----080.0,080.1	94	309	309	865	2,197	2,197	712	1,989	1,989	Apr. 1
Nonparalytic-----080.2	38	144	229	269	897	1,882	232	849	1,716	Apr. 1
Unspecified-----080.3	22	24	70	101	303	562	74	266	473	Apr. 1
Psittacosis-----096.2	-	2	4	68	76	187	(2)	(2)	(2)	(2)
Rabies in man-----094	-	2	4	1	3	3	(2)	(2)	(2)	(2)
Streptococcal sore throat, including scarlet fever-----050,051	3,180	---	---	218,194	---	---	---	---	---	---
Typhoid fever-----040	19	21	42	484	475	842	357	348	581	Apr. 1
Typhus fever, endemic-----101	-	2	1	50	27	71	45	21	51	Apr. 1
Rabies in animals-----	63	74	78	2,499	2,523	3,134	3,548	3,429	4,057	Oct. 1

¹Data exclude report from Vermont for the current week.

²Data show no pronounced seasonal change in incidence.

injections and 4 had received 3 injections. Only 1 case has been reported from the 4 counties adjoining Somerset County.

The Florida State Board of Health reports that the incidence of poliomyelitis in Florida in 1960 is the lowest of the past 5 years. During the first 30 weeks of 1960, 38 cases have been reported compared to 106 for the same period in 1959. Twenty-seven of the 38 cases had onset since January 1. Nineteen of these 27 cases were paralytic and two deaths have occurred. Both victims were unimmunized adult males. The age distribution of the 27 cases shows that 10 persons were under 5 years of age and 9 were from 5 to 14 years of age. Virus laboratory studies have been conducted on 13 patients. Poliovirus type I was isolated from 5 patients; type III from 2, and both type I and type III from 2 others.

California reports that individual case reports have been received on 155 paralytic poliomyelitis cases having onset of illness in 1960. Thirty-five of the 155 cases were in individuals 20 years of age and over; 73 cases were in children under 5; and, 36 in children from 5 to 9 years old. Only 11 persons were in the 10 to 19 year age group. Fifty-seven percent of the 155 cases had not received any vaccine. In the preschool age group, 62 percent had not received any vaccine and only 8 percent had received 3 or more injections. It is estimated that approximately 60 percent of the population in the under 5 year age group have received 3 or more injections of vaccine. Seven deaths have been reported. The ages of the victims ranged from 19 to 51 years. Two were females. About 63 percent of the cases have been reported in Los Angeles, Orange, and San Diego Counties, which account for an estimated 50 percent of the State's total population.

The weekly numbers of reported cases of hepatitis continue to be about twice those for last year. Of the 725 cases for the current week 141 were in California.

Four cases of malaria were reported in California. All were Plasmodium vivax infections and were acquired outside the United States.

EPIDEMIOLOGICAL REPORTS

Arthropod-borne encephalitis

The California Surveillance Report, August 19, 1960, states that 2 laboratory-proved cases of St. Louis encephalitis have been reported. These are the first cases reported this year. One was a 25-year-old male resident of Imperial County with onset of illness July 13, and the other was a 6-year-old boy from Yolo County with onset of illness July 14. There has been one laboratory-proved case of western encephalitis reported this year. This was contracted in Imperial County in May.

Salmonellosis

Miss Lee King, District Health Department, Illinois, reported that 10 of 11 persons who ate homemade ice cream at a gathering of friends and family became ill. Symptoms included vomiting, cramps, and diarrhea which began from 4 to 12 hours after eating the ice cream. Strains of Salmonella montevideo were found in samples of the ice cream and also in stool specimens from the ill persons. Fresh raw milk was

used in the ice cream and also an egg that was found cracked in the nest.

Dr. B. Giansiracusa and Mr. W. Garland, Santa Clara County (California) Health Department, supplied information on 6 cases of salmonellosis following the ingestion of chili in a plant cafeteria. Symptoms consisted of diarrhea, abdominal cramps, nausea, and vomiting, beginning from 5 to 17 hours after eating the suspect food and lasting about 5 days. All 6 persons were near each other in the cafeteria line. The ground meat and beans used in the chili were prepared the day before and then combined and recooked the day of serving. Specimens from 4 patients and 1 foodhandler were positive for Salmonella oranienburg. The specimens from the foodhandlers were obtained several weeks after the outbreak.

Staphylococcal food poisoning

Miss Muriel A. Matthews, Illinois Department of Public Health, reported an outbreak of 8 cases of food poisoning following the ingestion of homemade ice cream. All who ate the ice cream became ill. The symptoms consisted of vomiting and severe diarrhea beginning about 4½ hours after eating. All of the individuals were hospitalized. Staphylococci were cultured from stool specimens and samples of the ingredients used in the ice cream are being studied. The milk used in the ice cream was raw milk obtained from the family cow. The cow had been tested and found negative early in 1960 for tuberculosis and Bang's disease. She had not been sick. Neither was there evidence of respiratory infection nor mastitis. No blebs nor sores were found on the udder. The woman who prepared the ice cream had not been ill and had neither cuts nor pustules on the hands.

Gastroenteritis

Three reports of food poisoning of undetermined etiology were received from the California State Department of Public Health. In one outbreak, 6 of 7 persons eating a meal in a private home became ill ½ to 12 hours later with nausea, vomiting, cramps, diarrhea, chills, and fever. The suspect foods were hamburgers and macaroni salad. No samples were available for examination. The second report stated that 2 persons became ill after eating in a public establishment. The suspect food was potato salad. No gross sanitation violations were found and other persons had eaten the potato salad without illness. The third outbreak was thought to be due to a chemical agent. Four persons, eating in 2 groups 2 weeks apart in the same restaurant, became ill from 10 to 15 minutes after ingestion of the food. Symptoms included pressure behind the eyes, pressure in the neck and shoulders, constriction in the chest, hot flashes, and dizziness. The foods eaten by all 4 persons included egg-flour soup, fried rice, chicken and almond, soy sauce, tea, and cookies. Blood specimens from 2 patients did not indicate exposure to organic phosphorus insecticides used in spraying the restaurant.

QUARANTINE MEASURES

Immunization Information for International Travel

No changes reported

Morbidity and Mortality Weekly Report

3

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 22, 1959, AND AUGUST 20, 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 ¹				Paralytic 080.0,080.1				Nonparalytic			
	33d week		Cumulative, first 33 weeks		33d week		Cumulative, first 33 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES ² -----	154	477	1,235	3,397	94	309	865	2,197	38	144	136	19
NEW ENGLAND ² -----	8	19	113	95	5	16	93	63	3	2	8	-
Maine-----	-	1	6	1	-	1	6	1	-	-	1	-
New Hampshire-----	-	-	-	1	-	-	-	-	-	-	-	-
Vermont-----	-	-	2	1	-	-	2	-	-	-	-	-
Massachusetts-----	3	3	17	24	1	3	13	17	2	-	7	-
Rhode Island-----	1	-	80	2	-	-	64	2	1	-	-	-
Connecticut-----	4	15	10	66	4	12	10	42	-	2	-	-
MIDDLE ATLANTIC-----	35	42	150	199	24	18	111	114	10	15	10	-
New York-----	20	24	89	124	14	10	65	71	5	5	9	-
New Jersey-----	3	8	30	34	2	3	26	18	1	5	1	-
Pennsylvania-----	12	10	31	41	8	5	20	25	4	5	-	-
EAST NORTH CENTRAL-----	28	62	162	379	18	27	82	174	5	33	39	1
Ohio-----	5	19	36	115	4	9	16	48	1	8	5	-
Indiana-----	11	11	31	57	6	5	14	45	-	6	5	-
Illinois-----	10	4	55	61	7	-	38	28	3	4	21	-
Michigan-----	2	26	33	129	1	11	13	42	1	15	8	1
Wisconsin-----	-	2	7	17	-	2	1	11	-	-	-	-
WEST NORTH CENTRAL-----	5	101	68	746	1	58	37	388	4	35	12	14
Minnesota-----	-	20	24	71	-	17	18	56	-	3	12	-
Iowa-----	1	40	12	255	-	21	2	124	1	18	-	6
Missouri-----	-	21	10	224	-	10	7	134	-	7	-	-
North Dakota-----	2	2	5	3	-	-	2	-	2	2	-	-
South Dakota-----	-	3	3	9	-	-	1	1	-	-	-	6
Nebraska-----	1	8	5	89	1	6	4	50	-	2	-	1
Kansas-----	1	7	9	95	-	4	3	23	1	3	-	1
SOUTH ATLANTIC-----	18	70	199	503	12	55	140	385	5	14	7	-
Delaware-----	-	-	-	4	-	-	-	4	-	-	-	-
Maryland-----	4	2	7	7	4	2	6	7	-	-	-	-
District of Columbia-----	-	1	-	3	-	1	-	3	-	-	2	-
Virginia-----	1	20	7	104	1	16	5	83	-	4	1	-
West Virginia-----	2	13	18	49	2	10	15	36	-	3	1	-
North Carolina-----	2	18	39	105	-	15	31	92	2	3	-	-
South Carolina-----	8	6	81	32	4	4	51	17	3	2	-	-
Georgia-----	1	8	6	71	1	6	5	54	-	2	-	-
Florida-----	-	2	41	128	-	1	27	89	-	-	3	-
EAST SOUTH CENTRAL-----	18	52	65	367	3	41	46	284	1	11	28	1
Kentucky-----	14	6	22	28	-	5	5	25	-	1	1	1
Tennessee-----	3	29	11	136	2	23	9	108	1	6	21	-
Alabama-----	-	15	9	142	-	13	9	120	-	2	1	-
Mississippi-----	1	2	23	61	1	-	23	31	-	2	5	-
WEST SOUTH CENTRAL-----	9	66	157	692	5	43	92	465	4	20	7	2
Arkansas-----	3	17	14	153	2	16	5	132	1	1	-	-
Louisiana-----	3	4	40	81	2	2	26	60	1	2	-	-
Oklahoma-----	-	18	8	100	-	10	5	53	-	5	-	1
Texas-----	3	27	95	358	1	15	56	220	2	12	7	1
MOUNTAIN-----	2	10	39	96	-	3	19	53	1	7	2	1
Montana-----	-	2	13	6	-	1	9	2	-	1	-	-
Idaho-----	-	-	5	5	-	-	1	-	-	-	-	-
Wyoming-----	1	-	7	2	-	-	-	1	-	-	-	-
Colorado-----	1	2	5	9	-	2	4	8	1	-	1	-
New Mexico-----	-	-	2	23	-	-	-	11	-	-	1	-
Arizona-----	-	6	4	47	-	-	4	30	-	6	-	-
Utah-----	-	-	3	2	-	-	1	-	-	-	-	-
Nevada-----	-	-	-	2	-	-	-	1	-	-	-	1
PACIFIC-----	31	55	282	320	26	48	245	271	5	7	23	-
Washington-----	1	15	16	50	1	15	16	50	-	-	-	-
Oregon-----	-	17	20	63	-	12	13	47	-	5	-	-
California-----	30	22	238	197	25	20	208	167	5	2	23	-
Alaska-----	-	1	2	10	-	1	2	7	-	-	-	-
Hawaii-----	-	-	6	(4)	-	-	6	(4)	-	-	-	-
Puerto Rico-----	20	-	388	3	20	-	383	3	-	-	-	-

¹Includes cases not specified by type, category number 080.3.

²Data exclude report from Vermont for the current week.

4 Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 22, 1959, AND AUGUST 20, 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	
	33d week		Cumulative, first 33 weeks		082		33d week		Cumulative, first 33 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES-----	5	10	385	472	51	62	725	392	24,136	14,420	1,534	1,315
NEW ENGLAND ² -----	-	-	10	5	-	2	24	9	729	459	108	63
Maine-----	-	-	2	-	-	-	2	-	46	80	14	14
New Hampshire-----	-	-	-	-	-	-	-	-	21	13	3	7
Vermont-----	-	-	2	-	-	-	-	-	10	22	-	18
Massachusetts-----	-	-	7	5	-	1	9	4	365	205	73	19
Rhode Island-----	-	-	1	-	-	1	2	2	145	44	7	-
Connecticut-----	-	-	-	-	-	-	11	3	142	95	11	5
MIDDLE ATLANTIC-----	1	-	12	42	9	14	102	57	2,702	2,174	241	154
New York-----	1	-	3	21	1	12	67	33	1,429	1,290	174	120
New Jersey-----	-	-	1	9	7	1	4	2	193	243	35	26
Pennsylvania-----	-	-	8	12	1	1	31	22	1,080	641	32	8
EAST NORTH CENTRAL-----	1	-	33	22	4	25	98	82	4,427	2,389	530	272
Ohio-----	-	-	14	7	1	13	33	19	1,485	703	65	31
Indiana-----	-	-	5	3	-	10	9	7	511	225	79	16
Illinois-----	-	-	4	8	-	1	15	13	896	493	20	67
Michigan-----	1	-	9	2	3	1	41	42	1,367	827	143	56
Wisconsin-----	-	-	1	2	-	-	-	1	168	141	223	102
WEST NORTH CENTRAL-----	-	-	18	37	13	3	35	45	1,761	1,136	28	54
Minnesota-----	-	-	5	18	-	-	12	26	194	287	3	7
Iowa-----	-	-	2	3	-	-	2	4	298	108	3	5
Missouri-----	-	-	2	3	1	-	12	6	649	323	5	-
North Dakota-----	-	-	1	2	2	-	3	-	135	219	17	31
South Dakota-----	-	-	5	3	-	-	-	7	122	17	-	10
Nebraska-----	-	-	1	8	-	-	-	1	186	54	-	1
Kansas-----	-	-	2	-	10	3	6	1	177	128	(*)	(*)
SOUTH ATLANTIC-----	1	4	103	119	2	7	72	17	2,896	1,282	72	118
Delaware-----	-	-	-	-	-	-	4	1	183	80	4	2
Maryland-----	-	-	1	7	2	4	11	5	299	305	8	22
District of Columbia-----	-	-	-	-	-	-	1	-	33	12	2	6
Virginia-----	-	1	10	8	-	-	21	3	587	275	20	61
West Virginia-----	-	-	4	1	-	3	11	3	539	235	17	21
North Carolina-----	-	2	5	11	-	-	7	1	245	73	-	1
South Carolina-----	-	-	31	12	-	-	-	-	47	23	6	-
Georgia-----	-	-	20	39	-	-	2	-	189	101	-	-
Florida-----	1	1	32	41	-	-	15	4	774	178	15	5
EAST SOUTH CENTRAL-----	-	1	40	52	10	4	84	39	3,520	1,270	79	62
Kentucky-----	-	-	1	7	-	1	19	29	1,334	606	25	10
Tennessee-----	-	-	6	5	2	2	37	8	1,152	288	49	49
Alabama-----	-	1	20	10	-	1	18	2	752	278	4	1
Mississippi-----	-	-	13	30	8	-	10	-	282	98	1	2
WEST SOUTH CENTRAL-----	2	2	135	170	2	4	68	25	1,996	1,138	128	185
Arkansas-----	-	-	4	34	-	4	11	4	100	56	1	1
Louisiana-----	1	-	29	41	-	-	4	-	93	97	-	-
Oklahoma-----	-	-	6	2	-	-	4	6	256	161	-	4
Texas-----	1	2	96	93	2	-	49	15	1,547	824	127	180
MOUNTAIN-----	-	1	33	15	4	2	43	33	1,953	1,946	106	157
Montana-----	-	-	3	-	-	-	3	1	79	186	17	15
Idaho-----	-	-	11	-	-	-	7	5	244	199	3	2
Wyoming-----	-	-	5	-	-	1	-	-	22	46	-	1
Colorado-----	-	1	3	5	-	1	12	11	696	601	20	55
New Mexico-----	-	-	4	8	4	-	-	6	245	380	-	19
Arizona-----	-	-	3	1	-	-	7	8	451	383	30	9
Utah-----	-	-	4	-	-	-	8	2	177	132	31	56
Nevada-----	-	-	-	1	-	-	6	-	39	19	5	-
PACIFIC-----	-	2	1	10	7	1	199	85	4,152	2,626	242	250
Washington-----	-	-	-	-	-	-	13	15	464	352	16	7
Oregon-----	-	-	-	3	-	-	36	13	692	525	76	49
California-----	-	-	-	4	7	1	141	50	2,788	1,719	135	146
Alaska-----	-	2	1	3	-	-	-	7	145	30	14	48
Hawaii-----	-	-	-	(2)	-	-	9	-	63	(32)	1	(4)
Puerto Rico-----	2	-	102	20	-	-	24	11	540	199	17	22

²Data exclude report from Vermont for the current week.

Morbidity and Mortality Weekly Report

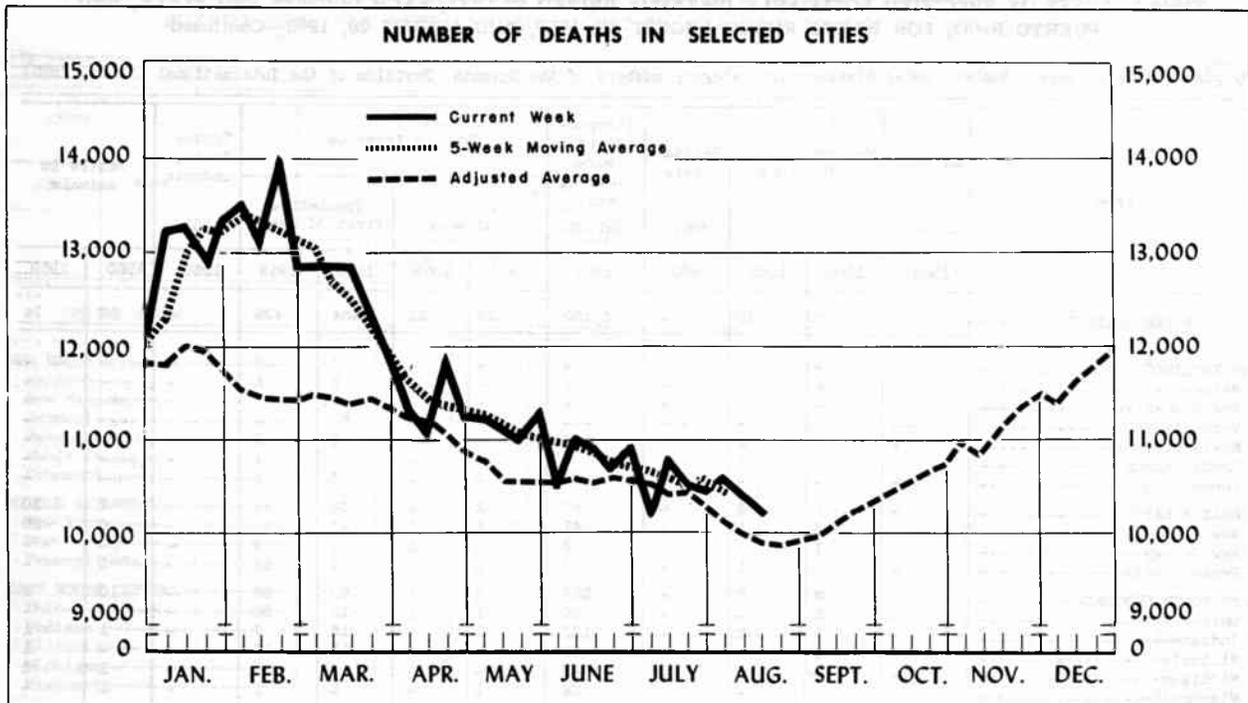
5

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 22, 1959, AND AUGUST 20, 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	33d week		Cumulative, first 33 weeks		101	1960 1959	
	1960	1960	1959	1960	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES ² -----	7	30	22	-	3,180	19	21	484	475	-	63	74	
NEW ENGLAND ² -----	-	-	1	-	70	-	-	7	10	-	-	-	
Maine-----	-	-	-	-	7	-	-	2	1	-	-	-	
New Hampshire-----	-	-	-	-	4	-	-	-	-	-	-	-	
Vermont-----	-	-	-	-	-	-	-	2	-	-	-	-	
Massachusetts-----	-	-	1	-	24	-	-	2	3	-	-	-	
Rhode Island-----	-	-	-	-	8	-	-	-	1	-	-	-	
Connecticut-----	-	-	-	-	27	-	-	3	5	-	-	-	
MIDDLE ATLANTIC-----	-	5	2	-	57	2	4	38	44	-	7	20	
New York-----	-	3	1	-	41	1	3	23	17	-	6	20	
New Jersey-----	-	1	-	-	9	-	1	1	8	-	-	-	
Pennsylvania-----	-	1	1	-	7	1	-	14	19	-	1	-	
EAST NORTH CENTRAL-----	-	8	8	-	227	3	1	60	63	-	10	4	
Ohio-----	-	2	-	-	26	1	1	15	36	-	7	-	
Indiana-----	-	-	2	-	122	1	-	15	7	-	1	1	
Illinois-----	-	1	4	-	13	-	-	17	12	-	-	1	
Michigan-----	-	5	2	-	42	-	-	8	7	-	1	2	
Wisconsin-----	-	-	-	-	24	1	-	5	1	-	1	-	
WEST NORTH CENTRAL-----	2	7	3	-	53	-	2	27	31	-	19	18	
Minnesota-----	-	-	2	-	6	-	-	1	-	-	5	6	
Iowa-----	-	1	-	-	9	-	-	4	1	-	3	6	
Missouri-----	-	2	1	-	1	-	-	17	12	-	7	4	
North Dakota-----	-	-	-	-	34	-	2	1	4	-	1	-	
South Dakota-----	-	-	-	-	-	-	-	1	3	-	-	-	
Nebraska-----	-	4	-	-	-	-	-	2	4	-	3	2	
Kansas-----	2	-	-	-	3	-	-	1	7	-	-	-	
SOUTH ATLANTIC-----	1	1	1	-	165	3	7	76	83	-	3	5	
Delaware-----	-	-	-	-	3	-	-	1	-	-	-	-	
Maryland-----	1	-	-	-	13	-	1	1	3	-	-	-	
District of Columbia-----	-	-	-	-	1	-	-	6	2	-	-	-	
Virginia-----	-	1	1	-	50	-	-	16	17	-	3	1	
West Virginia-----	-	-	-	-	64	2	5	5	9	-	-	1	
North Carolina-----	-	-	-	-	7	-	-	8	6	-	-	-	
South Carolina-----	-	-	-	-	9	-	-	10	7	-	-	-	
Georgia-----	-	-	-	-	1	1	1	20	18	-	-	1	
Florida-----	-	-	-	-	17	-	-	9	21	-	-	2	
EAST SOUTH CENTRAL-----	-	6	3	-	998	3	4	62	62	-	11	4	
Kentucky-----	-	-	3	-	118	-	-	13	9	-	4	-	
Tennessee-----	-	2	-	-	735	3	3	34	33	-	4	1	
Alabama-----	-	-	-	-	1	-	-	10	7	-	3	3	
Mississippi-----	-	4	-	-	144	-	1	5	13	-	-	-	
WEST SOUTH CENTRAL-----	-	-	1	-	526	6	1	153	103	-	7	15	
Arkansas-----	-	-	-	-	-	4	1	36	20	-	4	1	
Louisiana-----	-	-	-	-	-	1	-	53	14	-	-	3	
Oklahoma-----	-	-	-	-	-	1	-	10	15	-	-	-	
Texas-----	-	-	1	-	526	-	-	54	54	-	3	11	
MOUNTAIN-----	-	-	-	-	697	1	1	21	24	-	2	2	
Montana-----	-	-	-	-	28	-	-	5	1	-	-	-	
Idaho-----	-	-	-	-	22	-	-	-	4	-	-	-	
Wyoming-----	-	-	-	-	-	1	-	4	2	-	-	-	
Colorado-----	-	-	-	-	177	-	1	-	4	-	1	-	
New Mexico-----	-	-	-	-	235	-	-	6	8	-	1	-	
Arizona-----	-	-	-	-	161	-	-	6	5	-	-	2	
Utah-----	-	-	-	-	72	-	-	-	-	-	-	-	
Nevada-----	-	-	-	-	2	-	-	-	-	-	-	-	
PACIFIC-----	4	3	3	-	387	1	1	40	55	-	4	6	
Washington-----	-	-	-	-	26	-	-	4	1	-	-	-	
Oregon-----	-	-	-	-	36	-	1	7	5	-	-	-	
California-----	4	3	3	-	319	1	-	29	47	-	4	6	
Alaska-----	-	-	-	-	2	-	-	-	2	-	-	-	
Hawaii-----	-	-	-	-	4	-	-	-	-	-	-	-	
Puerto Rico-----	-	-	1	-	-	-	-	16	13	-	-	-	

²Data exclude report from Vermont for the current week.



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	33d week ended Aug. 20, 1960	32d week ended Aug. 13, 1960	Adjusted average, 33d week 1955-59	Percent change, adjusted average to current week ¹	Cumulative, first 33 weeks		
					1960	1959	Percent change
TOTAL, 117 REPORTING CITIES-----	10,150	10,403	9,887	+2.7	386,109	375,182	+2.9
New England----- (14 cities)	662	647	640	+3.4	24,189	23,575	+2.6
Middle Atlantic----- (20 cities)	2,758	2,771	2,871	-3.9	106,740	108,113	-1.3
East North Central----- (21 cities)	2,258	2,218	2,260	-0.1	83,347	80,986	+2.9
West North Central----- (9 cities)	691	775	740	-6.6	26,880	25,880	+3.9
South Atlantic----- (11 cities)	847	876	863	-1.9	33,347	32,011	+4.2
East South Central----- (8 cities)	442	513	479	-7.7	17,569	16,915	+3.9
West South Central----- (13 cities)	893	921	881	+1.4	34,056	31,166	+9.3
Mountain----- (8 cities)	314	342	259	+21.2	12,044	10,460	+15.1
Pacific----- (13 cities)	1,285	1,340	1,289	-0.3	47,937	46,076	+4.0

¹Adjusted average used as base.

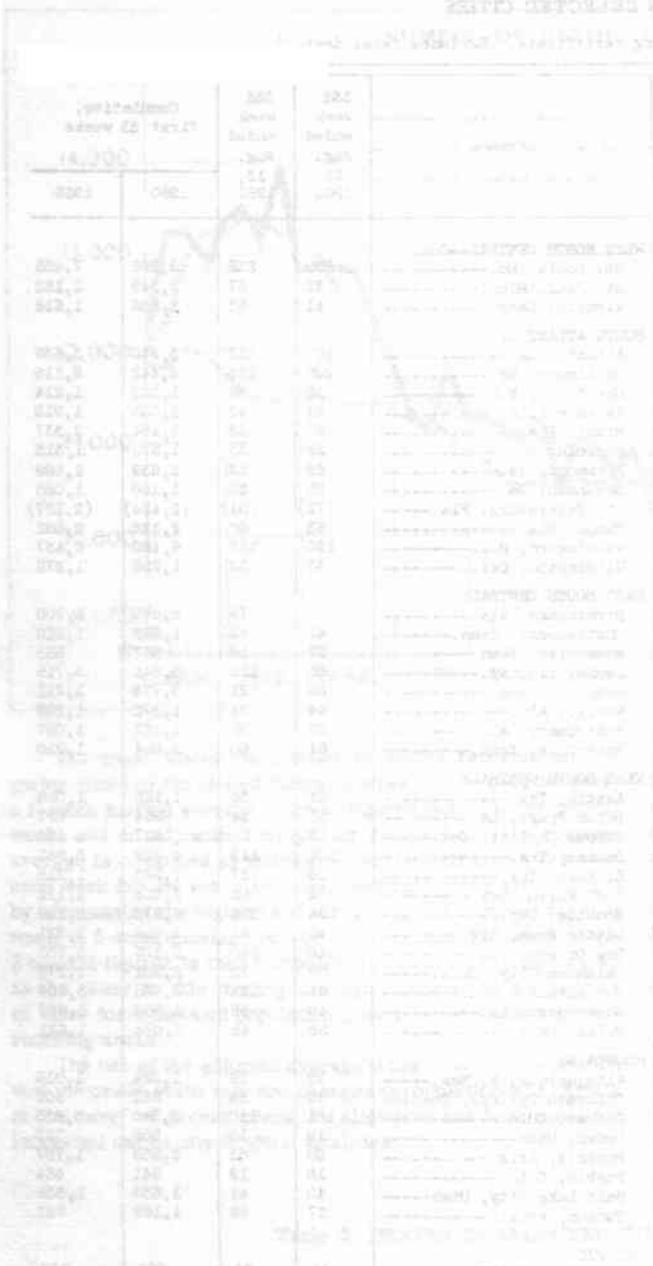
Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

Area	33d week ended Aug. 20, 1960	32d week ended Aug. 13, 1960	Cumulative, first 33 weeks		Area	33d week ended Aug. 20, 1960	32d week ended Aug. 13, 1960	Cumulative, first 33 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	253	215	8,451	8,012	St. Louis, Mo.-----	209	232	8,266	7,855
Bridgeport, Conn.-----	28	34	1,370	1,352	St. Paul, Minn.-----	61	67	2,349	2,162
Cambridge, Mass.-----	24	22	1,045	949	Wichita, Kans.-----	41	53	1,536	1,616
Fall River, Mass.-----	19	26	944	947	SOUTH ATLANTIC:				
Hartford, Conn.-----	55	51	1,614	1,641	Atlanta, Ga.-----	107	112	3,940	3,639
Lowell, Mass.-----	18	27	807	765	Baltimore, Md.-----	205	228	8,442	8,116
Lynn, Mass.-----	15	20	788	774	Charlotte, N.C.-----	35	39	1,322	1,214
New Bedford, Mass.-----	27	23	806	793	Jacksonville, Fla.-----	54	43	2,035	1,918
New Haven, Conn.-----	37	43	1,502	1,493	Miami, Fla.-----	67	68	2,464	2,337
Providence, R.I.-----	52	53	2,128	2,155	Norfolk, Va.-----	29	33	1,370	1,313
Somerville, Mass.-----	10	10	449	435	Richmond, Va.-----	69	58	2,639	2,588
Springfield, Mass.-----	43	45	1,544	1,489	Savannah, Ga.-----	25	20	1,168	1,095
Waterbury, Conn.-----	23	28	922	919	St. Petersburg, Fla.-----	(72)	(51)	(2,424)	(2,137)
Worcester, Mass.-----	58	50	1,809	1,851	Tampa, Fla.-----	63	60	2,228	2,082
MIDDLE ATLANTIC:					EAST SOUTH CENTRAL:				
Albany, N.Y.-----	30	42	1,476	1,802	Birmingham, Ala.-----	76	79	2,875	2,708
Allentown, Pa.-----	29	32	1,159	1,163	Chattanooga, Tenn.-----	41	42	1,569	1,512
Buffalo, N.Y.-----	158	125	4,910	4,821	Knoxville, Tenn.-----	27	16	967	963
Camden, N.J.-----	19	31	1,430	1,379	Louisville, Ky.-----	85	118	3,841	3,715
Elizabeth, N.J.-----	31	29	978	983	Memphis, Tenn.-----	85	121	3,778	3,711
Erie, Pa.-----	44	36	1,301	1,236	Mobile, Ala.-----	44	34	1,372	1,289
Jersey City, N.J.-----	58	48	2,336	2,486	Montgomery, Ala.-----	23	35	1,163	1,087
Newark, N.J.-----	65	71	3,186	3,312	Nashville, Tenn.-----	61	68	2,004	1,930
New York City, N.Y.-----	1,366	1,392	54,197	55,366	WEST SOUTH CENTRAL:				
Paterson, N.J.-----	31	29	1,276	1,292	Austin, Tex.-----	24	36	1,165	1,056
Philadelphia, Pa.-----	490	425	16,463	16,526	Baton Rouge, La.-----	33	14	954	897
Pittsburgh, Pa.-----	172	182	6,472	6,220	Corpus Christi, Tex.-----	19	35	827	694
Reading, Pa.-----	17	18	784	745	Dallas, Tex.-----	126	119	4,229	3,881
Rochester, N.Y.-----	91	102	3,326	3,199	El Paso, Tex.-----	28	37	1,283	1,218
Schenectady, N.Y.-----	19	22	798	836	Fort Worth, Tex.-----	72	62	2,256	2,112
Scranton, Pa.-----	35	32	1,250	1,229	Houston, Tex.-----	154	154	5,673	5,149
Syracuse, N.Y.-----	48	53	2,045	2,076	Little Rock, Ark.-----	45	47	1,926	1,821
Trenton, N.J.-----	29	47	1,400	1,451	New Orleans, La.-----	146	140	6,125	5,555
Utica, N.Y.-----	23	32	922	927	Oklahoma City, Okla.-----	58	72	2,501	2,276
Yonkers, N.Y.-----	25	23	1,031	1,064	San Antonio, Tex.-----	84	122	3,435	3,189
EAST NORTH CENTRAL:					SHREVEPORT, LA.-----				
Akron, Ohio-----	58	44	1,880	1,959	Shreveport, La.-----	46	38	1,808	1,697
Canton, Ohio-----	33	38	1,154	1,109	Tulsa, Okla.-----	58	45	1,874	1,621
Chicago, Ill.-----	663	706	25,744	25,040	MOUNTAIN:				
Cincinnati, Ohio-----	152	154	5,228	5,268	Albuquerque, N. Mex.-----	22	26	1,024	1,015
Cleveland, Ohio-----	221	159	7,073	6,904	Colorado Springs, Colo.-----	19	14	561	509
Columbus, Ohio-----	100	116	3,924	3,812	Denver, Colo.-----	101	110	3,940	3,833
Dayton, Ohio-----	77	79	2,436	2,210	Ogden, Utah-----	18	18	555	523
Detroit, Mich.-----	283	283	11,468	10,827	Phoenix, Ariz.-----	69	83	2,585	1,707
Evansville, Ind.-----	23	31	1,207	1,248	Pueblo, Colo.-----	18	19	541	454
Flint, Mich.-----	42	32	1,332	1,321	Salt Lake City, Utah-----	40	44	1,639	1,636
Fort Wayne, Ind.-----	35	28	1,234	1,193	Tucson, Ariz.-----	27	28	1,199	783
Gary, Ind.-----	28	30	1,061	1,022	PACIFIC:				
Grand Rapids, Mich.-----	47	23	1,398	1,396	Berkeley, Calif.-----	11	24	562	567
Indianapolis, Ind.-----	130	139	4,895	4,608	Fresno, Calif.-----	(47)	(38)	(1,524)	(1,322)
Madison, Wis.-----	28	28	1,060	977	Glendale, Calif.-----	(32)	(39)	(1,298)	(1,196)
Milwaukee, Wis.-----	118	91	4,136	4,230	Honolulu, Hawaii-----	39	31	1,371	1,246
Peoria, Ill.-----	20	24	980	957	Long Beach, Calif.-----	44	48	1,840	1,834
Rockford, Ill.-----	21	29	964	933	Los Angeles, Calif.-----	421	448	17,031	16,060
South Bend, Ind.-----	25	32	941	885	Oakland, Calif.-----	92	84	3,200	3,066
Toledo, Ohio-----	98	109	3,373	3,305	Pasadena, Calif.-----	31	34	1,141	1,061
Youngstown, Ohio-----	56	43	1,859	1,782	Portland, Oreg.-----	107	118	3,675	3,726
WEST NORTH CENTRAL:					SACRAMENTO, CALIF.-----				
Des Moines, Iowa-----	51	40	1,848	1,769	Sacramento, Calif.-----	51	61	1,937	1,829
Duluth, Minn.-----	25	21	844	851	San Diego, Calif.-----	109	82	2,999	2,692
Kansas City, Kans.-----	28	42	1,151	1,169	San Francisco, Calif.-----	194	209	6,637	6,483
Kansas City, Mo.-----	98	137	4,282	3,962	San Jose, Calif.-----	---	(33)	---	(832)
Lincoln, Nebr.-----	(30)	(15)	(868)	(856)	Seattle, Wash.-----	110	120	4,605	4,467
Minneapolis, Minn.-----	125	95	4,129	4,115	Spokane, Wash.-----	38	44	1,555	1,656
Omaha, Nebr.-----	53	88	2,475	2,381	Tacoma, Wash.-----	38	37	1,384	1,389

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-- ()

GPO 884458

If you do not desire to continue receiving this publication, please check here and return.

FIRST CLASS MAIL

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
 Public Health Service
 Washington 25, D. C.
 Official Business

POSTAGE AND FEES PAID
 U. S. DEPARTMENT OF H. E. W.

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.