

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 June 3, 1960

Washington 25, D. C.

Vol. 9, No. 21

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended May 28, 1960

Due to the Memorial Day holiday reports for the week ended May 28 were not received from New Hampshire, Florida, and Wyoming.

Eighteen cases of paralytic poliomyelitis were reported in Puerto Rico for the current week. There was no concentration of these cases. In the United States the weekly number of cases of poliomyelitis continues to be low. Ten cases, of which 7 were paralytic, were reported for the current week, compared to a total of 47, including 32 paralytic, for the same week in 1959. The cumulative figure for total cases for 21 weeks of 1960 is 40 percent below the figure for 21 weeks of 1959. The figure for paralytic cases is 39 percent below that for 1959.

The number of cases of infectious and serum hepatitis for the current week is about 20 percent below the revised figure of 930 cases for the preceding week.

EPIDEMIOLOGICAL REPORTS

Psittacosis

The California State Department of Public Health supplied information on 3 cases of psittacosis. Two of the cases were in a husband and his wife. Both of these individuals had been exposed to a parakeet in their home for about 2 weeks before onset of illness. The bird was purchased from a variety store. When purchased it was having greenish mucous stools, which did not become normal for 17 days. On one occasion the bird fell from its perch and appeared ill enough to be near death. It then recovered. Animal inoculation tests on the bird were negative. The wife became ill first, developing first a headache, then 9 days later, shaking chills and fever, up to 105° F., and later a cough. The headache began about 3 days after obtaining

Continued on page 2

Table I. Cases of Specified Notifiable Diseases, United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	21st week			Cumulative						Approximate seasonal low point
	Ended May 28, 1960 ¹	Ended May 30, 1959	Median 1955-59	First 21 weeks			Since seasonal low week			
				1960 ¹	1959	Median 1955-59	1959-60 ¹	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	-	-	10	7	9	(²)	(²)	(²)	(²)
Botulism-----049.1	-	-	-	3	5	2	(²)	(²)	(²)	(²)
Brucellosis (undulant fever)-----044	20	6	17	353	302	386	(²)	(²)	(²)	(²)
Diphtheria-----055	10	14	14	309	355	392	877	957	1,165	July 1
Encephalitis, infectious-----082	35	29	31	635	578	578	2,257	2,305	1,907	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	727	357	318	16,500	10,473	9,837	24,930	15,909	15,909	Sept. 1
Malaria-----110-117	1	2	3	21	27	35	(²)	(²)	(²)	(²)
Measles-----085	17,590	12,824	19,491	304,075	294,975	421,228	343,544	348,975	476,978	Sept. 1
Meningitis, aseptic-----340 pt.	22	---	---	581	---	---	---	---	---	---
Meningococcal infections-----057	36	40	42	1,153	1,125	1,222	1,817	1,991	2,231	Sept. 1
Poliomyelitis-----080	10	47	64	313	525	935	92	232	405	Apr. 1
Paralytic-----080.0,080.1	7	52	32	223	365	451	68	157	176	Apr. 1
Nonparalytic-----080.2	2	9	32	56	97	348	17	49	182	Apr. 1
Unspecified-----080.3	1	6	8	34	63	136	7	26	47	Apr. 1
Psittacosis-----096.2	2	1	2	38	48	125	(²)	(²)	(²)	(²)
Rabies in man-----094	-	-	-	-	-	2	(²)	(²)	(²)	(²)
Streptococcal sore throat, including scarlet fever-----050,051	5,889	---	---	171,826	---	---	---	---	---	---
Typhoid fever-----040	12	14	24	216	222	425	88	95	164	Apr. 1
Typhus fever, endemic-----101	3	-	1	18	11	31	13	5	11	Apr. 1
Rabies in animals-----	74	51	84	1,721	1,610	2,146	2,770	2,516	3,196	Oct. 1

¹Data exclude reports from Florida, New Hampshire and Wyoming for the current week.

²Data show no pronounced seasonal change in incidence.

EPIDEMIOLOGICAL REPORTS—Continued

the parakeet. Complement-fixation tests, over a 1-month period gave titers of 1:8, 1:32, and 1:32. The husband first developed diarrhea, then headache, nocturnal cough, and fever. Two complement-fixation tests 15 days apart showed a rise in titer from 1:16 to 1:256. X-ray examination on both patients showed pneumonia.

The third case was in a 41-year-old truck driver exposed to parakeets in his home and at homes of relatives. Symptoms included cough, malaise, and myalgia. Two complement-fixation tests gave titers of 1:32.

Presumptive *Clostridium perfringens* food poisoning

Dr. Mary Hayes, Fresno County (California) Health Department, reported an outbreak of food poisoning in which laboratory evidence of *Clostridium perfringens* was obtained. About 100 cases were reported out of 130 persons who ate the suspect food, chili beans, at a company picnic. The incubation period ranged from 14 to 16 hours. The common symptoms lasting about 12 hours were diarrhea, stomach ache, cramps, and vomiting. Initial laboratory studies were negative for coliform organisms and staphylococci. On direct smears of the chili beans, large gram-positive rods were observed. This led to culturing for *Cl. perfringens* by anaerobic methods. *Cl. perfringens* was isolated from the chili beans; confirmation was made by the State Division of Laboratories. However, attempts were made to repeat the isolation on frozen foods at the County laboratory, and the results were negative. More samples are to be cultured.

The food was prepared in a private club. Dried beans were boiled for several hours then kept at low heat while the meat sauce was prepared and mixed with the beans. The beans were carried to the picnic grounds in a truck and then kept at low heat for about 2 hours until served. The cook stated that the beans, returned to her several hours after the picnic, were "bubbly" and "looked soured" so were discarded. A quart jar filled with leftover beans exploded about 3 hours after the picnic. Samples of beans carried to homes and kept in deep-freeze chests were used in the laboratory tests. The cook wore white cotton gloves covered by polyethylene gloves to protect her hands, which had been burned by lye in 1945, and were at this time cracked, raw, and bleeding. Cultures from her hands and gloves grew quantities of coagulase-negative staphylococci, but no other organisms nor fungi were found. It was thought that the chili beans were contaminated by spoons, which had accumulations of greasy material at the juncture of the handle and bowl.

Staphylococcal food poisoning

Dr. Arthur G. Baker, Lake County (Illinois) Health Director, reported an outbreak of staphylococcal food poisoning among 38 persons eating at a private social function. From 2 to 7 hours after the meal 22 persons became ill with symptoms

of diarrhea, nausea, vomiting, and weakness. No fever was observed and most of the individuals recovered within 48 hours. The suspect food was chicken tetrazzini. Hemolytic coagulase-positive *Staphylococcus aureus*, phage type 187, was isolated from this food and also from whole cooked salmon. Hemolytic staphylococci were recovered from the nasal passages of the assistant cook, but it was not possible to type these organisms.

Dr. M. E. Rindge, Connecticut State Department of Health, supplied information on an outbreak of food poisoning occurring at a school. About 220 cases were reported out of 357 students who ate the regular school lunch. No illness was reported among students who did not eat the lunch. The onset of illness occurred from 2 to 10 hours after the meal. The illness was acute, with nausea, vomiting, diarrhea, and abdominal pain. Shock occurred in a high proportion of cases. According to a questionnaire completed by 330 of the students who ate the meal, all of the ill persons had eaten potato salad; the only food eaten by all the ill students. The potatoes used in the salad were boiled and sliced the day before serving, then left out of refrigeration overnight. On the day of serving, the preparation of the salad was completed and the salad was refrigerated for 2½ hours before use. One of the foodhandlers who helped prepare the potatoes and salad had a chronic dermatitis on his hands. Coagulase-positive staphylococci were found from food, foodhandlers, and patients as follows: Potato salad—heavy growth of phage type 7; bologna—moderate growth of type 7; pimento loaf—moderate growth of types 7 and VA4; graham cracker pie—little growth of type 7. (Except for the pie, food samples were obtained from a prepared plate of food; the foods were contaminated with potato salad.) Type 7 staphylococci were found in nose and/or throat cultures from 4 foodhandlers; type VA4 from 2; both types VA4 and 7 from 2; and type 7 from skin lesions on one hand and types 7 and VA4 from the other hand of a person who helped prepare the salad. Type 7 organisms were found also in stool specimens of 8 patients and in vomitus of 1.

Gastroenteritis

The California State Department of Public Health supplied information on 3 outbreaks of food poisoning of undetermined etiology. In each of 2 instances 4 of 4 people eating the suspect food became ill; in the other instance 6 of 6 people became ill. Two of the reports stated that the food was obtained from public establishments, the other listed a private home as the source of food. The suspect foods were hamburger, luncheon meats, and roast chicken. In none of the outbreaks were there food samples available for laboratory examination and specimens from patients were negative.

QUARANTINE MEASURES

Immunization Information for International Travel
No changes reported

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 30, 1959, AND MAY 28, 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- lant fever) 044
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	21st week		Cumulative, first 21 weeks		21st week		Cumulative, first 21 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES ² -----	10	47	313	525	7	32	223	365	2	9	22	20
NEW ENGLAND ² -----	-	2	10	8	-	2	10	7	-	-	1	-
Maine-----	-	-	5	-	-	-	5	-	-	-	-	-
New Hampshire-----	-	-	2	-	-	-	2	-	-	-	-	-
Vermont-----	-	-	-	1	-	-	-	1	-	-	-	-
Massachusetts-----	-	-	5	4	-	-	5	3	-	-	-	-
Rhode Island-----	-	2	-	2	-	2	-	2	-	-	1	-
Connecticut-----	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC-----	-	1	41	35	-	1	29	15	-	-	1	-
New York-----	-	1	33	27	-	1	22	12	-	-	-	-
New Jersey-----	-	-	6	6	-	-	6	2	-	-	-	-
Pennsylvania-----	-	-	2	2	-	-	1	1	-	-	1	-
EAST NORTH CENTRAL-----	-	6	39	45	-	2	13	23	-	3	3	4
Ohio-----	-	1	18	21	-	-	5	8	-	-	2	-
Indiana-----	-	2	-	4	-	2	-	3	-	-	-	-
Illinois-----	-	-	6	3	-	-	4	1	-	-	1	4
Michigan-----	-	3	12	14	-	-	3	8	-	3	-	-
Wisconsin-----	-	-	3	3	-	-	1	3	-	-	-	-
WEST NORTH CENTRAL-----	-	1	16	51	-	1	10	29	-	-	4	8
Minnesota-----	-	-	8	2	-	-	6	1	-	-	3	-
Iowa-----	-	-	4	1	-	-	2	1	-	-	-	8
Missouri-----	-	-	3	31	-	-	2	22	-	-	1	-
North Dakota-----	-	-	-	1	-	-	-	-	-	-	-	-
South Dakota-----	-	-	1	2	-	-	-	-	-	-	-	-
Nebraska-----	-	1	-	7	-	1	-	5	-	-	-	-
Kansas-----	-	-	-	7	-	-	-	-	-	-	-	-
SOUTH ATLANTIC ² -----	2	11	49	114	1	8	38	86	1	2	2	3
Delaware-----	-	-	1	2	-	-	-	2	-	-	-	-
Maryland-----	-	-	1	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	1	-
Virginia-----	-	2	-	7	-	1	-	6	-	1	-	-
West Virginia-----	1	2	4	15	1	1	4	11	-	1	-	-
North Carolina-----	-	-	14	7	-	-	14	6	-	-	-	-
South Carolina-----	1	-	3	8	-	-	2	6	1	-	-	1
Georgia-----	-	-	3	4	-	-	2	4	-	-	1	2
Florida-----	-	7	223	71	-	6	216	51	-	-	-	-
EAST SOUTH CENTRAL-----	1	5	13	43	-	3	11	26	-	1	1	-
Kentucky-----	1	1	7	9	-	1	5	7	-	-	-	-
Tennessee-----	-	2	1	15	-	2	1	10	-	-	-	-
Alabama-----	-	1	1	2	-	-	1	-	-	-	-	-
Mississippi-----	-	1	4	17	-	-	4	9	-	1	1	-
WEST SOUTH CENTRAL-----	3	11	37	117	2	6	26	87	1	3	4	2
Arkansas-----	-	-	3	17	-	-	1	17	-	-	-	-
Louisiana-----	2	3	10	17	2	3	9	15	-	-	-	1
Oklahoma-----	-	2	3	6	-	-	3	2	-	-	-	-
Texas-----	1	6	21	77	-	3	13	53	1	3	4	1
MOUNTAIN ² -----	-	4	16	24	-	3	8	16	-	-	2	3
Montana-----	-	1	6	1	-	-	3	-	-	-	-	-
Idaho-----	-	-	4	-	-	-	1	-	-	-	-	1
Wyoming-----	-	-	21	1	-	-	2	-	-	-	-	-
Colorado-----	-	-	1	2	-	-	1	2	-	-	-	1
New Mexico-----	-	1	1	6	-	1	-	2	-	-	2	1
Arizona-----	-	2	2	12	-	2	2	12	-	-	-	-
Utah-----	-	-	1	2	-	-	1	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	4	6	92	88	4	6	78	76	-	-	4	-
Washington-----	-	-	6	5	-	-	6	5	-	-	1	-
Oregon-----	-	1	12	9	-	1	8	7	-	-	-	-
California-----	2	5	70	74	2	5	60	64	-	-	3	-
Alaska-----	1	-	1	-	1	-	1	-	-	-	-	-
Hawaii-----	1	-	3	(4)	1	-	3	(4)	-	-	-	-
Puerto Rico-----	18	-	134	3	18	-	133	3	-	-	1	-

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

²Data exclude reports from New Hampshire, Florida, and Wyoming for the current week.

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 30, 1959, AND MAY 28, 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	
	21st week		Cumulative, first 21 weeks		082		21st week		Cumulative, first 21 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES ² -----	10	14	309	355	35	29	727	357	16,500	10,473	17,590	12,824
NEW ENGLAND ² -----	-	-	8	4	-	2	21	15	508	344	1,925	753
Maine-----	-	-	2	-	-	1	-	5	35	64	81	113
New Hampshire-----	-	-	²¹ 1	-	-	-	-	-	²¹ 9	9	-	18
Vermont-----	-	-	-	-	-	-	1	-	9	17	202	52
Massachusetts-----	-	-	5	4	-	-	11	4	263	152	1,010	133
Rhode Island-----	-	-	1	-	-	1	6	3	86	37	77	20
Connecticut-----	-	-	-	-	-	-	3	3	98	65	555	417
MIDDLE ATLANTIC-----	-	-	8	34	12	12	95	68	1,709	1,520	2,518	2,872
New York-----	-	-	1	19	9	4	46	46	854	918	1,684	1,057
New Jersey-----	-	-	1	9	-	-	9	6	145	178	545	1,090
Pennsylvania-----	-	-	6	6	3	8	40	16	710	424	289	725
EAST NORTH CENTRAL-----	3	-	25	19	2	2	143	49	3,197	1,675	6,388	2,485
Ohio-----	-	-	14	6	-	-	63	13	1,029	499	1,094	674
Indiana-----	1	-	4	2	-	-	13	5	429	176	517	158
Illinois-----	1	-	3	8	-	1	19	6	660	332	702	277
Michigan-----	-	-	3	1	2	1	48	23	932	567	1,700	803
Wisconsin-----	1	-	1	2	-	-	-	2	147	101	2,375	573
WEST NORTH CENTRAL-----	-	-	16	32	1	-	46	30	1,364	843	133	596
Minnesota-----	-	-	5	16	-	-	4	15	137	203	48	265
Iowa-----	-	-	2	2	-	-	6	-	239	78	11	206
Missouri-----	-	-	2	3	1	-	28	6	504	217	18	52
North Dakota-----	-	-	1	1	-	-	1	5	101	182	56	69
South Dakota-----	-	-	5	3	-	-	-	-	113	7	-	5
Nebraska-----	-	-	7	7	-	-	-	2	123	47	-	3
Kansas-----	-	-	1	-	-	-	7	2	147	109	(*)	(*)
SOUTH ATLANTIC ² -----	5	4	71	79	1	5	41	21	1,916	962	523	1,033
Delaware-----	-	-	-	-	-	-	7	4	108	53	12	19
Maryland-----	-	-	1	1	-	1	4	2	192	245	144	61
District of Columbia-----	-	-	-	-	1	-	1	-	13	10	21	13
Virginia-----	-	1	8	5	-	-	6	8	385	187	104	413
West Virginia-----	-	-	2	1	-	-	17	3	392	200	197	224
North Carolina-----	-	1	4	7	-	1	5	2	137	52	22	145
South Carolina-----	3	1	18	5	-	1	1	-	37	14	22	45
Georgia-----	2	-	15	29	-	-	-	-	147	87	1	7
Florida-----	-	1	²³ 31	31	-	2	-	2	²⁵ 505	114	-	106
EAST SOUTH CENTRAL-----	1	2	37	45	6	3	139	33	2,570	996	1,389	846
Kentucky-----	-	-	1	4	-	2	59	15	1,045	466	237	208
Tennessee-----	-	-	5	4	2	-	60	7	835	233	1,039	328
Alabama-----	1	-	19	9	2	1	17	9	517	210	60	188
Mississippi-----	-	2	12	28	2	-	3	2	173	87	53	122
WEST SOUTH CENTRAL-----	1	5	114	127	3	1	64	40	1,344	802	1,601	1,089
Arkansas-----	-	-	2	31	2	1	11	2	64	37	63	31
Louisiana-----	-	-	26	39	-	-	5	8	53	84	3	1
Oklahoma-----	-	-	6	1	-	-	1	5	189	114	7	51
Texas-----	1	5	80	56	1	-	47	25	1,038	567	1,528	1,006
MOUNTAIN ² -----	-	-	29	9	-	-	71	34	1,370	1,544	1,092	1,275
Montana-----	-	-	2	-	-	-	1	-	55	151	78	107
Idaho-----	-	-	11	-	-	-	9	1	180	165	83	48
Wyoming-----	-	-	²⁵ 25	-	-	-	-	-	²¹ 10	42	-	23
Colorado-----	-	-	2	3	-	-	25	18	472	483	530	302
New Mexico-----	-	-	4	4	-	-	4	5	208	325	-	135
Arizona-----	-	-	2	1	-	-	21	10	297	280	275	271
Utah-----	-	-	3	-	-	-	11	-	129	84	120	389
Nevada-----	-	-	-	1	-	-	-	-	19	14	6	-
PACIFIC-----	-	3	1	6	10	4	107	67	2,522	1,787	2,021	1,873
Washington-----	-	-	-	-	-	-	7	12	283	281	184	377
Oregon-----	-	-	1	-	-	-	23	19	475	365	834	211
California-----	-	3	-	4	10	4	71	36	1,604	1,129	855	1,262
Alaska-----	-	-	1	1	-	-	1	-	116	12	102	23
Hawaii-----	-	-	-	(1)	-	-	5	(2)	44	(25)	46	(24)
Puerto Rico-----	2	-	84	11	-	-	10	-	382	87	44	89

²Data exclude reports from New Hampshire, Florida, and Wyoming for the current week.

Morbidity and Mortality Weekly Report

5

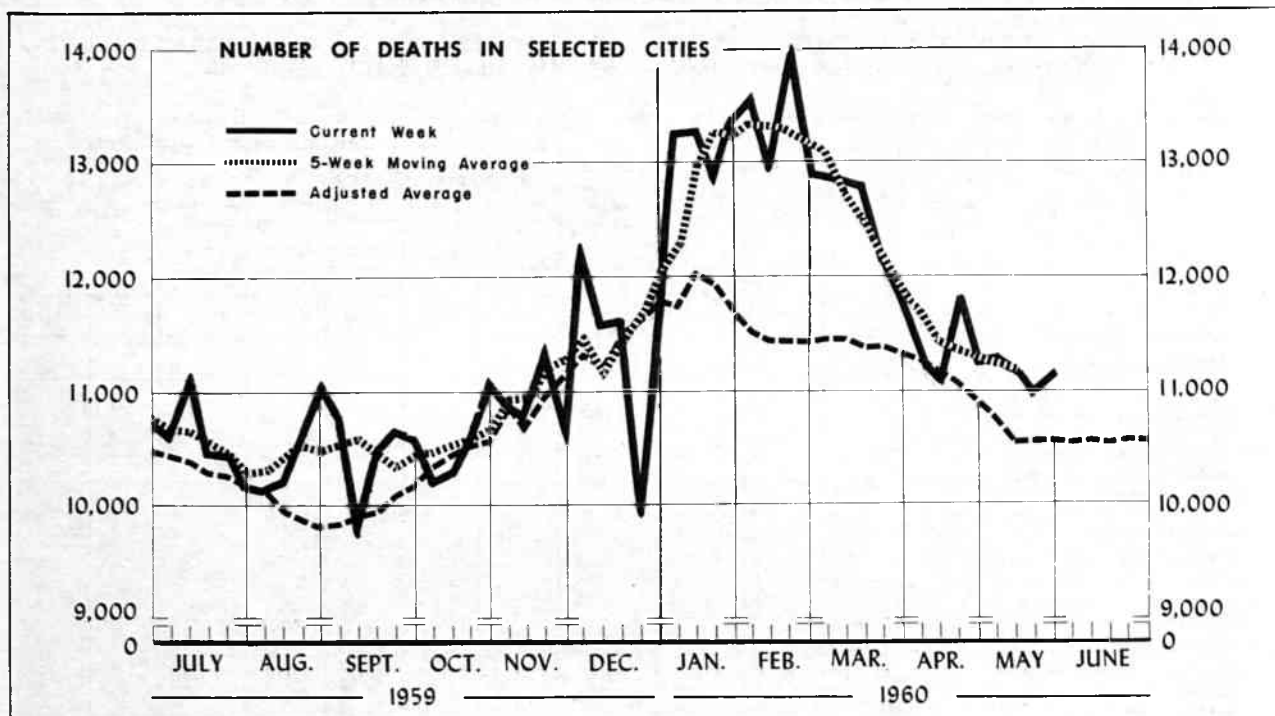
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 30, 1959, AND MAY 28, 1960—Continued

(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	21st week		Cumulative, first 21 weeks		101		
	1960	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959	
UNITED STATES ² -----	1	36	40	2	5,889	12	14	216	222	3	74	51	
NEW ENGLAND ² -----	-	1	4	-	355	-	2	4	5	-	-	-	
Maine-----	-	-	-	-	11	-	-	1	-	-	-	-	
New Hampshire-----	-	-	-	-	-	-	-	2	-	-	-	-	
Vermont-----	-	-	-	-	12	-	-	-	-	-	-	-	
Massachusetts-----	-	1	-	-	193	-	1	2	2	-	-	-	
Rhode Island-----	-	-	3	-	12	-	-	-	1	-	-	-	
Connecticut-----	-	-	1	-	127	-	1	1	2	-	-	-	
MIDDLE ATLANTIC-----	-	9	7	-	448	1	1	11	23	-	15	1	
New York-----	-	5	2	-	219	1	1	9	9	-	15	1	
New Jersey-----	-	3	2	-	104	-	-	-	5	-	-	-	
Pennsylvania-----	-	1	3	-	125	-	-	2	9	-	-	-	
EAST NORTH CENTRAL-----	-	7	7	2	766	1	1	27	25	-	17	9	
Ohio-----	-	2	2	-	254	-	-	3	12	-	9	-	
Indiana-----	-	-	-	-	151	1	-	9	4	-	3	2	
Illinois-----	-	1	1	-	55	-	-	6	4	-	3	-	
Michigan-----	-	1	4	-	142	-	1	5	4	-	2	1	
Wisconsin-----	-	3	-	2	164	-	-	4	1	-	-	2	
WEST NORTH CENTRAL-----	1	5	-	-	229	1	2	13	12	-	5	8	
Minnesota-----	-	3	-	-	14	-	-	1	-	-	1	3	
Iowa-----	-	-	-	-	24	-	-	-	-	-	1	3	
Missouri-----	-	-	-	-	74	1	2	10	7	-	3	1	
North Dakota-----	-	-	-	-	49	-	-	-	1	-	-	1	
South Dakota-----	-	-	-	-	-	-	-	1	1	-	-	-	
Nebraska-----	1	-	-	-	-	-	-	1	-	-	-	-	
Kansas-----	-	2	-	-	68	-	-	-	3	-	-	-	
SOUTH ATLANTIC ² -----	-	2	6	-	187	-	2	25	48	-	7	9	
Delaware-----	-	-	-	-	-	-	-	-	-	-	-	-	
Maryland-----	-	1	-	-	12	-	-	-	-	-	-	-	
District of Columbia-----	-	-	-	-	2	-	-	1	1	-	-	-	
Virginia-----	-	-	2	-	99	-	1	3	12	-	2	6	
West Virginia-----	-	1	-	-	53	-	-	1	2	-	5	-	
North Carolina-----	-	-	3	-	12	-	-	7	5	-	-	2	
South Carolina-----	-	-	-	-	9	-	-	6	4	-	-	-	
Georgia-----	-	-	1	-	-	-	-	2	7	-	-	1	
Florida-----	-	-	-	-	-	-	1	25	17	-	-	-	
EAST SOUTH CENTRAL-----	-	6	3	-	1,101	1	1	40	21	-	4	9	
Kentucky-----	-	2	2	-	112	-	1	11	5	-	-	4	
Tennessee-----	-	2	1	-	942	1	-	20	8	-	1	4	
Alabama-----	-	2	-	-	9	-	-	6	3	-	2	1	
Mississippi-----	-	-	-	-	38	-	-	3	5	-	1	-	
WEST SOUTH CENTRAL-----	-	-	4	-	756	5	2	63	42	3	25	6	
Arkansas-----	-	-	-	-	1	-	1	18	7	-	17	3	
Louisiana-----	-	-	2	-	3	1	-	13	7	-	1	3	
Oklahoma-----	-	-	-	-	8	-	-	5	6	-	-	-	
Texas-----	-	-	2	-	744	4	1	27	22	3	7	-	
MOUNTAIN ² -----	-	1	1	-	1,076	3	1	16	14	-	-	2	
Montana-----	-	-	-	-	45	-	-	5	1	-	-	-	
Idaho-----	-	-	-	-	61	-	1	-	3	-	-	-	
Wyoming-----	-	-	1	-	-	-	-	21	1	-	-	-	
Colorado-----	-	-	-	-	421	-	-	-	-	-	-	-	
New Mexico-----	-	-	-	-	152	-	-	5	5	-	-	-	
Arizona-----	-	1	-	-	215	3	-	5	4	-	-	2	
Utah-----	-	-	-	-	182	-	-	-	-	-	-	-	
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-	
PACIFIC-----	-	5	8	-	971	-	2	17	32	-	1	7	
Washington-----	-	1	1	-	247	-	-	1	1	-	-	-	
Oregon-----	-	3	1	-	88	-	-	-	1	-	-	-	
California-----	-	1	6	-	625	-	2	16	29	-	1	7	
Alaska-----	-	-	-	-	-	-	-	-	1	-	-	-	
Hawaii-----	-	-	-	-	11	-	-	-	-	-	-	-	
Puerto Rico-----	-	-	-	-	-	-	-	16	2	-	1	-	

²Data exclude reports from New Hampshire, Florida, and Wyoming 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. For 1954-58, this average is based on data for 114 cities; for 1955-59, on data for 117 cities. The adjusted average is computed as follows: From the total deaths reported each week, 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	21st week ended May 28, 1960	20th week ended May 21, 1960	Adjusted average, 21st week 1955-59	Percent change ¹	Cumulative, first 21 weeks			
					1960	1959	Adjusted average, 1955-59	Percent change ¹
TOTAL, 117 REPORTING CITIES -----	² 11,159	10,991	10,563	+5.6	² 258,682	247,381	237,253	+9.0
New England----- (14 cities)	685	686	692	-1.0	16,309	15,673	15,936	+2.3
Middle Atlantic----- (20 cities)	3,243	3,135	3,160	+2.6	71,293	72,059	71,351	-0.1
East North Central----- (21 cities)	2,401	2,355	2,406	-0.2	55,534	53,177	53,524	+3.8
West North Central----- (9 cities)	750	807	752	-0.3	18,002	17,081	17,088	+5.3
South Atlantic----- (11 cities)	² 958	934	899	+6.6	² 22,661	20,864	20,543	+10.3
East South Central----- (8 cities)	591	422	477	+23.9	11,848	10,971	10,950	+8.2
West South Central----- (13 cities)	² 894	1,002	869	+2.9	² 22,756	20,284	19,703	+15.5
Mountain----- (8 cities)	341	310	277	+23.1	8,003	6,883	6,084	+31.5
Pacific----- (13 cities)	² 1,296	1,340	1,363	-4.9	² 32,276	30,389	30,446	+6.0

¹Current figure divided by adjusted average.

²Includes 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	21st week ended May 28, 1960	20th week ended May 21, 1960	Cumulative, first 21 weeks		Area	21st week ended May 28, 1960	20th week ended May 21, 1960	Cumulative, first 21 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	240	235	5,692	5,372	St. Louis, Mo.-----	210	257	5,603	5,279
Bridgeport, Conn.-----	42	49	946	890	St. Paul, Minn.-----	76	92	1,574	1,410
Cambridge, Mass.-----	27	29	694	614	Wichita, Kans.-----	46	35	1,002	1,023
Fall River, Mass.-----	35	25	660	636	SOUTH ATLANTIC:				
Hartford, Conn.-----	23	43	1,007	1,068	Atlanta, Ga.-----	148	103	2,650	2,432
Lowell, Mass.-----	38	20	546	493	Baltimore, Md.-----	223	239	5,756	5,226
Lynn, Mass.-----	16	16	559	512	Charlotte, N.C.-----	123	34	924	780
New Bedford, Mass.-----	18	19	564	511	Jacksonville, Fla.-----	65	52	1,406	1,246
New Haven, Conn.-----	34	49	986	984	Miami, Fla.-----	84	67	1,669	1,534
Providence, R.I.-----	66	66	1,449	1,473	Norfolk, Va.-----	131	38	2,946	887
Somerville, Mass.-----	13	12	329	300	Richmond, Va.-----	69	69	1,802	1,660
Springfield, Mass.-----	35	47	1,042	990	Savannah, Ga.-----	31	41	833	691
Waterbury, Conn.-----	37	20	613	604	St. Petersburg, Fla.-----	(62)	(63)	(1,662)	(1,491)
Worcester, Mass.-----	61	56	1,222	1,226	Tampa, Fla.-----	67	74	1,506	1,392
MIDDLE ATLANTIC:					Washington, D.C.-----	183	183	4,311	4,186
Albany, N.Y.-----	42	41	966	1,244	Wilmington, Del.-----	34	34	856	830
Allentown, Pa.-----	41	34	796	791	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	160	128	3,239	3,164	Birmingham, Ala.-----	98	76	1,922	1,760
Camden, N.J.-----	36	45	957	881	Chattanooga, Tenn.-----	47	33	1,051	989
Elizabeth, N.J.-----	23	28	639	635	Knoxville, Tenn.-----	36	24	641	595
Erie, Pa.-----	33	37	842	810	Louisville, Ky.-----	149	81	2,542	2,369
Jersey City, N.J.-----	61	82	1,595	1,694	Memphis, Tenn.-----	112	93	2,574	2,434
Newark, N.J.-----	106	92	2,157	2,217	Mobile, Ala.-----	45	24	955	867
New York City, N.Y.-----	1,662	1,612	36,229	36,987	Montgomery, Ala.-----	32	39	791	705
Paterson, N.J.-----	31	42	860	848	Nashville, Tenn.-----	72	52	1,372	1,252
Philadelphia, Pa.-----	592	485	11,077	11,005	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	115	173	4,212	4,091	Austin, Tex.-----	25	36	794	652
Reading, Pa.-----	22	27	524	499	Baton Rouge, La.-----	120	27	2,653	603
Rochester, N.Y.-----	88	97	2,221	2,130	Corpus Christi, Tex.-----	19	19	548	440
Schenectady, N.Y.-----	28	23	531	519	Dallas, Tex.-----	121	132	2,811	2,525
Scranton, Pa.-----	30	37	830	887	El Paso, Tex.-----	42	35	843	775
Syracuse, N.Y.-----	60	58	1,379	1,366	Fort Worth, Tex.-----	70	84	1,516	1,344
Trenton, N.J.-----	56	39	937	974	Houston, Tex.-----	125	160	3,718	3,352
Utica, N.Y.-----	29	27	624	630	Little Rock, Ark.-----	46	60	1,341	1,197
Yonkers, N.Y.-----	28	28	678	687	New Orleans, La.-----	172	175	4,084	3,611
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	63	51	1,677	1,461
Akron, Ohio-----	75	46	1,250	1,277	San Antonio, Tex.-----	85	102	2,310	2,113
Canton, Ohio-----	31	29	791	729	Shreveport, La.-----	63	75	1,196	1,098
Chicago, Ill.-----	731	698	17,035	16,439	Tulsa, Okla.-----	43	46	1,265	1,113
Cincinnati, Ohio-----	159	149	3,556	3,435	MOUNTAIN:				
Cleveland, Ohio-----	192	230	4,760	4,512	Albuquerque, N. Mex.-----	25	26	659	676
Columbus, Ohio-----	100	101	2,668	2,420	Colorado Springs, Colo.-----	11	17	373	341
Dayton, Ohio-----	75	60	1,570	1,465	Denver, Colo.-----	131	81	2,632	2,511
Detroit, Mich.-----	308	337	7,633	7,142	Ogden, Utah-----	22	14	374	347
Evansville, Ind.-----	35	40	837	821	Phoenix, Ariz.-----	58	70	1,760	1,138
Flint, Mich.-----	49	40	886	878	Pueblo, Colo.-----	17	15	329	280
Fort Wayne, Ind.-----	43	43	818	785	Salt Lake City, Utah-----	46	47	1,063	1,059
Gary, Ind.-----	33	28	669	666	Tucson, Ariz.-----	31	40	813	531
Grand Rapids, Mich.-----	40	43	916	920	PACIFIC:				
Indianapolis, Ind.-----	141	138	3,265	3,131	Berkeley, Calif.-----	13	22	380	389
Madison, Wis.-----	30	44	709	617	Fresno, Calif.-----	(40)	(43)	(1,035)	(887)
Milwaukee, Wis.-----	132	85	2,763	2,804	Glendale, Calif.-----	(---)	(34)	(835)	(807)
Peoria, Ill.-----	37	25	657	652	Honolulu, Hawaii-----	134	29	901	799
Rockford, Ill.-----	23	35	626	620	Long Beach, Calif.-----	56	56	1,220	1,219
South Bend, Ind.-----	21	35	639	555	Los Angeles, Calif.-----	423	493	11,671	10,563
Toledo, Ohio-----	111	92	2,250	2,146	Oakland, Calif.-----	98	88	2,132	2,026
Youngstown, Ohio-----	35	57	1,236	1,163	Pasadena, Calif.-----	32	33	766	666
WEST NORTH CENTRAL:					Portland, Oreg.-----	108	72	2,403	2,498
Des Moines, Iowa-----	63	53	1,226	1,167	Sacramento, Calif.-----	38	52	1,267	1,149
Duluth, Minn.-----	22	25	567	567	San Diego, Calif.-----	77	81	2,036	1,779
Kansas City, Kans.-----	27	21	758	695	San Francisco, Calif.-----	192	208	4,419	4,302
Kansas City, Mo.-----	122	131	2,898	2,629	San Jose, Calif.-----	(34)	(33)	(710)	(552)
Lincoln, Nebr.-----	(34)	(24)	(563)	(565)	Seattle, Wash.-----	147	133	3,114	2,981
Minneapolis, Minn.-----	115	119	2,709	2,712	Spokane, Wash.-----	38	36	1,010	1,100
Omaha, Nebr.-----	69	74	1,665	1,599	Tacoma, Wash.-----	40	37	957	918

¹Estimated.

²Includes estimate for current week.

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--	()

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

GPO 877 179

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.