

# 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 June 11, 1960

The number of cases of poliomyelitis continues to be considerably below the figures for comparable weeks of 1959. For the current week 19 cases, of which 16 were paralytic, were reported compared with 71 cases (52 paralytic) for the same week last year. Four cases were reported in Rhode Island and information has been received that other cases are under investigation. These are the first cases in that State this year. Twenty-five cases were reported in Puerto Rico. Except for 6 cases in Ponce, the cases were scattered with no more than 2 cases in any one area.

fever and stiff neck, but no rash; one from spinal fluid from a patient with the clinical diagnosis of aseptic meningitis; and the other, a stool specimen from a person suffering from fever, maculopapular rash, and running nose, but with no neurological signs. The other 2 virus isolations were Coxsackie A virus from a stool specimen and an unidentified virus from spinal fluid.

### EPIDEMIOLOGICAL REPORTS

#### Aseptic meningitis

Dr. James R. Enright, Hawaii State Department of Health, supplied information about virus isolations made from 5 individuals. ECHO 16 virus was isolated from 3 persons. One of these isolations was from the rectal swab of an individual with

#### Infectious hepatitis

Dr. Norman J. Rose, Illinois Department of Public Health, furnished a report by Dr. Frederick Plotke, Department of Public Welfare, on an outbreak of infectious hepatitis in an institution. Since April 1, when the first cases of hepatitis came under observation, a cumulative total of 35 patients and 5 employees have developed the infection. The spread of infection was considered to be by person-to-person contact. The

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Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	23d week			Cumulative						Approximate seasonal low point
	Ended June 11, 1960 <sup>1</sup>	Ended June 13, 1959	Median 1955-59	First 23 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	-	-	-	10	8	9	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	3	5	2	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	22	20	22	385	333	437	(2)	(2)	(2)	(2)
Diphtheria-----055	3	9	13	314	373	419	882	975	1,192	July 1
Encephalitis, infectious-----082	30	27	36	716	642	642	67	64	72	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	605	370	266	17,836	11,119	10,477	26,266	16,555	16,555	Sept. 1
Malaria-----110-117	1	2	5	22	30	43	(2)	(2)	(2)	(2)
Measles-----085	17,138	11,256	17,415	337,613	319,179	457,299	377,082	373,179	513,049	Sept. 1
Meningitis, aseptic-----340 pt.	33	-	-	634	-	-	-	-	-	-
Meningococcal infections-----057	46	39	46	1,234	1,195	1,300	1,898	2,061	2,309	Sept. 1
Poliomyelitis-----080	19	71	89	356	647	1,097	135	354	567	Apr. 1
Paralytic-----080.0,080.1	16	52	52	255	453	514	100	245	245	Apr. 1
Nonparalytic-----080.2	2	17	38	65	123	427	26	75	261	Apr. 1
Unspecified-----080.3	1	2	13	36	71	156	9	34	67	Apr. 1
Psittacosis-----096.2	1	3	5	41	55	137	(2)	(2)	(2)	(2)
Rabies in man-----094	-	1	-	-	1	3	(2)	(2)	(2)	(2)
Streptococcal sore throat, including scarlet fever-----050,051	5,241	-	-	182,642	-	-	-	-	-	-
Typhoid fever-----040	18	19	26	244	250	468	116	123	207	Apr. 1
Typhus fever, endemic-----101	5	-	3	28	12	36	23	6	16	Apr. 1
Rabies in animals-----	78	61	82	1,855	1,762	2,304	2,904	2,668	3,354	Oct. 1

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

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

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### EPIDEMIOLOGICAL REPORTS—Continued

cases among the patients were distributed throughout 6 wards and all the employees involved have been exposed to cases on the affected wards. It was reported that a vast majority of the cases were in patients who recently have been admitted to the institution and in employees who recently have been employed. Various control measures have been instituted.

#### Salmonellosis

Mr. Jack J. Goldman, Westchester County (New York) Health Department, reported that 85 of 88 students and staff became ill from 24 to 48 hours after eating a catered meal. In some instances the illness was relatively severe with high fever and dehydration from severe nausea and vomiting. The menu consisted of fruit cocktail, turkey salad, cold roast beef, potato salad, cole slaw, relishes, cream layer cake, ice cream, and coffee. Generally, the 3 persons who remained well and those who became ill ate all the menu items. Stool specimens from 4 cases yielded almost pure cultures of Salmonella, and similar organisms were isolated from the turkey salad. Typing of the organisms is in process.

#### Streptococcal infections

Dr. S. M. Fish, Philadelphia Department of Public Health, reported the occurrence of 25 cases of food poisoning following the ingestion of roast turkey and filling at a hotel banquet. Some 300 persons attended the banquet. Illness began from 10 to 12 hours after the meal. Symptoms included abdominal cramps and tenderness and profuse diarrhea. None of the persons had fever and there was little or no vomiting. Samples of turkey yielded large numbers of Streptococcus faecalis. Examinations for Salmonella and staphylococci were negative.

#### Staphylococcal food poisoning

Three reports of staphylococcal food poisoning were received from the California State Department of Public Health. In one outbreak, more than 40 cases were reported out of some 90 persons who ate eclairs purchased from a bakery. The predominant symptom was vomiting followed by diarrhea and nausea. The incubation period ranged from 3 to 12 hours. The eclairs were promptly refrigerated when received from the bakery. Examination of several eclairs yielded high plate counts of coagulase-positive staphylococci, enterococci, gamma streptococci, beta hemolytic streptococci, and coliform organisms. No Salmonella nor Shigella were isolated.

The second report stated that 58 persons became ill from 15 minutes to 7 hours after eating custard-filled coffeecake prepared in a bakery. The same custard filling was used in a variety of pastries, all of which were kept under refrigeration except the coffeecake and custard doughnuts. Samples of the filling gave a heavy growth of beta hemolytic coagulase-

positive Staphylococci aureus. Similar organisms were recovered from the nasal discharge of the baker and from irritations on his hands.

According to the third report, 5 persons, including 1 infant and 2 children, developed diarrhea, vomiting, and fever lasting from 1 to 4 days. The suspect food vehicle was unpasteurized milk from a neighbor's cow, fresh for 3 weeks. Two calves had died with scours. The milker was said to be sick just before the cases developed. The milk was unusual in that the cream was "shreddy" and butter made from it had a strange odor and was unusable within 24 hours. A sample of the milk yielded coagulase-positive and catalase-positive staphylococci. The milker refused to submit specimens.

#### Gastroenteritis

Dr. G. D. Carlyle Thompson, Acting Executive Officer, Montana State Board of Health, reported that 36 of 98 persons attending a ham dinner became violently ill about 4 hours later. The symptoms were severe vomiting and diarrhea with stomach cramps. At least 3 persons were hospitalized. It was thought that probably the ham slices became contaminated during the preparation of the meal; they were left out of refrigeration for a considerable period of time after slicing.

Mr. R. C. Supan, Shelby County (Illinois) Health Department, reported that 16 persons developed gastroenteritis after eating beef and pork sandwiches. The sandwiches were eaten after a meeting attended by about 50 persons. Two women were hospitalized with severe abdominal cramps, nausea, vomiting, watery diarrhea, and dehydration. The sandwiches were prepared by a rural housewife. They consisted of roast beef and pork cooked and boned 2 days before the meeting. The meat was refrigerated for a day then ground and refrigerated again. Fresh mayonnaise was added to the ground meat about an hour before serving. At no time was the meat left unrefrigerated for any extended length of time. Samples of the meat sandwiches were negative for Salmonella and staphylococci.

Mr. Louis Robert and Mr. Sterling Throssell, Yakima County (Washington) Health District, investigated an outbreak of 25 cases of food poisoning that developed from 10 to 15 hours after a dinner at a church. More than 250 persons attended the convention at the church. The dinner was catered by a restaurant. By the time health authorities learned of the outbreak many of the delegates had returned to out-of-town homes. The meal consisted of baked ham, creamed potatoes, and green salad. The ham and salad were negative for organisms usually associated with food poisoning.

### QUARANTINE MEASURES

#### Immunization Information for International Travel

No changes reported

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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JUNE 13, 1959 AND JUNE 11, 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 <sup>1</sup>				Paralytic 080.0,080.1				Nonparalytic 080.2			
	23d week		Cumulative, first 23 weeks		23d week		Cumulative, first 23 weeks		1960	1959		
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES <sup>2</sup>	19	71	356	647	16	52	255	453	2	17	33	22
<b>NEW ENGLAND</b>	5	-	15	8	5	-	15	7	-	-	-	-
Maine	-	-	5	-	-	-	5	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	1	-	-	-	1	-	-	-	-
Massachusetts	1	-	6	4	1	-	6	3	-	-	-	-
Rhode Island	4	-	4	2	4	-	4	2	-	-	-	-
Connecticut	-	-	-	-	-	-	-	1	-	-	-	-
<b>MIDDLE ATLANTIC</b>	-	-	41	38	-	-	29	18	-	-	-	-
New York	-	-	33	29	-	-	22	14	-	-	-	-
New Jersey	-	-	6	7	-	-	6	3	-	-	-	-
Pennsylvania	-	-	2	2	-	-	1	1	-	-	-	-
<b>EAST NORTH CENTRAL</b>	-	5	40	55	-	3	13	28	-	1	4	3
Ohio	-	2	19	25	-	1	5	10	-	-	-	-
Indiana	-	-	-	4	-	-	-	3	-	-	-	1
Illinois	-	-	6	4	-	-	4	2	-	-	-	1
Michigan	-	3	12	19	-	2	3	10	-	1	3	1
Wisconsin	-	-	3	3	-	-	1	3	-	-	1	-
<b>WEST NORTH CENTRAL</b>	2	19	19	78	1	15	11	49	1	3	-	18
Minnesota	-	2	8	5	-	2	6	4	-	-	-	3
Iowa	1	11	5	16	-	8	2	13	1	3	-	15
Missouri	1	1	4	33	1	1	3	23	-	-	-	-
North Dakota	-	-	-	1	-	-	-	-	-	-	-	-
South Dakota	-	-	1	3	-	-	-	-	-	-	-	-
Nebraska	-	2	-	10	-	2	-	7	-	-	-	-
Kansas	-	3	1	10	-	2	-	2	-	-	-	-
<b>SOUTH ATLANTIC</b>	1	11	53	134	1	9	41	103	-	2	8	-
Delaware	-	-	1	2	-	-	-	2	-	-	-	-
Maryland	-	-	1	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	2	-
Virginia	-	3	-	13	-	3	-	12	-	-	-	-
West Virginia	-	1	4	17	-	1	4	12	-	-	-	-
North Carolina	1	2	16	11	1	1	16	9	-	1	-	-
South Carolina	-	-	3	8	-	-	2	6	-	-	-	-
Georgia	-	2	3	6	-	2	2	6	-	-	-	-
Florida	-	3	25	77	-	2	17	56	-	1	6	-
<b>EAST SOUTH CENTRAL</b>	-	5	13	56	-	5	11	37	-	-	-	-
Kentucky	-	-	7	9	-	-	5	7	-	-	-	-
Tennessee	-	2	1	19	-	2	1	14	-	-	-	-
Alabama	-	2	1	6	-	2	1	3	-	-	-	-
Mississippi	-	1	4	22	-	1	4	13	-	-	-	-
<b>WEST SOUTH CENTRAL</b>	5	17	49	142	4	11	32	103	1	6	6	-
Arkansas	-	3	3	21	-	2	1	20	-	1	-	-
Louisiana	1	3	15	20	1	2	11	17	-	1	-	-
Oklahoma	-	6	3	14	-	5	3	7	-	1	-	-
Texas	4	5	28	87	3	2	17	59	1	3	6	-
<b>MOUNTAIN</b>	3	2	20	31	2	1	11	19	-	1	3	1
Montana	3	-	9	2	2	-	5	-	-	-	-	-
Idaho	-	-	4	-	-	-	1	-	-	-	-	-
Wyoming	-	-	1	1	-	-	-	2	-	-	-	-
Colorado	-	-	1	2	-	-	1	2	-	-	2	-
New Mexico	-	-	1	8	-	-	-	3	-	-	1	-
Arizona	-	2	3	16	-	1	3	14	-	1	-	-
Utah	-	-	1	2	-	-	1	-	-	-	-	1
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
<b>PACIFIC</b>	3	12	106	105	3	8	92	89	-	4	12	-
Washington	-	-	7	5	-	-	7	5	-	-	3	-
Oregon	-	-	12	10	-	-	8	8	-	-	-	-
California	2	12	81	90	2	8	71	76	-	4	9	-
Alaska	1	-	2	-	1	-	2	-	-	-	-	-
Hawaii	-	-	4	(4)	-	-	4	(4)	-	-	-	-
Puerto Rico	25	-	178	3	25	-	177	3	-	-	1	-

<sup>1</sup>Includes cases not specified by type, category number 080.3.  
<sup>2</sup>Data exclude report from Pennsylvania 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 JUNE 13, 1959, AND JUNE 11, 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	
	23d week		Cumulative, first 23 weeks		082		23d week		Cumulative, first 23 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1960
UNITED STATES <sup>2</sup> -----	3	9	314	373	30	27	605	370	17,836	11,119	17,138	11,256
NEW ENGLAND-----	-	-	8	5	3	-	21	7	545	358	2,133	725
Maine-----	-	-	2	-	-	-	1	1	36	66	115	110
New Hampshire-----	-	-	-	-	-	-	-	-	18	10	15	14
Vermont-----	-	-	-	-	-	-	-	1	9	18	193	20
Massachusetts-----	-	-	5	5	2	-	8	3	274	156	1,065	217
Rhode Island-----	-	-	1	-	1	-	8	-	104	39	115	19
Connecticut-----	-	-	-	-	-	-	4	2	104	69	630	345
MIDDLE ATLANTIC <sup>2</sup> -----	-	1	8	35	3	5	62	60	1,835	1,620	2,330	2,766
New York-----	-	1	1	20	3	3	57	32	931	974	1,827	1,302
New Jersey-----	-	-	1	9	-	1	5	11	154	192	503	839
Pennsylvania-----	-	-	6	6	1	-	17	17	2,750	454	-	625
EAST NORTH CENTRAL-----	-	-	25	19	2	5	112	110	3,409	1,833	6,242	2,060
Ohio-----	-	-	14	6	-	1	27	27	1,105	549	436	538
Indiana-----	-	-	4	2	-	-	7	5	441	184	331	75
Illinois-----	-	-	3	8	1	4	38	11	709	355	862	356
Michigan-----	-	-	3	1	1	-	37	66	998	641	2,121	587
Wisconsin-----	-	-	1	2	-	-	3	1	156	104	2,492	504
WEST NORTH CENTRAL-----	-	-	17	32	4	-	23	28	1,424	894	180	535
Minnesota-----	-	-	5	16	-	-	-	3	143	214	80	79
Iowa-----	-	-	2	2	-	-	2	1	244	82	11	299
Missouri-----	-	-	2	3	-	-	11	8	524	233	26	73
North Dakota-----	-	-	1	1	1	-	4	7	112	192	63	47
South Dakota-----	-	-	5	3	-	-	-	3	114	10	-	31
Nebraska-----	-	-	1	7	-	-	6	1	138	49	-	6
Kansas-----	-	-	1	-	3	-	-	5	149	114	(*)	(*)
SOUTH ATLANTIC-----	-	1	70	80	3	-	71	19	2,117	1,005	725	736
Delaware-----	-	-	-	-	-	-	7	2	118	57	13	12
Maryland-----	-	-	1	1	-	-	17	4	214	256	154	83
District of Columbia-----	-	-	-	-	1	-	1	-	15	11	20	15
Virginia-----	-	1	8	6	-	-	16	4	430	194	301	326
West Virginia-----	-	-	2	1	-	-	7	1	411	202	129	146
North Carolina-----	-	-	2	7	1	-	5	2	156	55	4	45
South Carolina-----	-	-	18	5	-	-	-	39	39	14	33	57
Georgia-----	-	-	15	29	-	-	5	-	156	89	12	11
Florida-----	-	-	24	31	1	-	13	6	578	127	59	41
EAST SOUTH CENTRAL-----	1	1	38	47	-	5	100	18	2,744	1,027	1,220	663
Kentucky-----	-	1	1	5	-	-	32	5	1,112	479	300	311
Tennessee-----	-	-	5	5	-	-	33	5	889	241	809	273
Alabama-----	1	-	20	9	-	-	25	7	556	219	38	74
Mississippi-----	-	-	12	28	-	5	10	1	187	88	73	5
WEST SOUTH CENTRAL-----	1	6	116	139	3	5	37	23	1,459	651	1,267	843
Arkansas-----	-	-	2	31	-	-	2	-	67	38	74	5
Louisiana-----	-	-	26	39	-	-	-	1	56	86	6	-
Oklahoma-----	-	-	6	1	2	-	1	2	205	117	16	30
Texas-----	1	6	82	68	1	5	34	20	1,131	610	1,171	808
MOUNTAIN-----	1	-	31	10	1	-	79	32	1,507	1,613	1,138	976
Montana-----	-	-	2	-	-	-	2	1	60	155	63	24
Idaho-----	-	-	11	-	-	-	5	2	187	174	71	78
Wyoming-----	-	-	5	-	-	-	-	2	12	44	-	2
Colorado-----	-	-	3	3	-	-	22	5	515	503	580	252
New Mexico-----	-	-	4	5	-	-	7	14	224	341	-	87
Arizona-----	1	-	3	1	1	-	39	4	351	291	235	170
Utah-----	-	-	3	-	-	-	3	4	138	91	128	341
Nevada-----	-	-	-	1	-	-	1	-	20	14	61	22
PACIFIC-----	-	-	1	6	11	7	100	73	2,796	1,918	1,903	1,952
Washington-----	-	-	-	-	-	-	14	4	337	289	433	351
Oregon-----	-	-	-	1	-	-	12	13	501	389	398	200
California-----	-	-	-	4	11	7	65	56	1,785	1,228	1,025	1,373
Alaska-----	-	-	1	1	-	-	3	-	121	12	1	28
Hawaii-----	-	(1)	-	(2)	-	-	6	-	52	(26)	46	(24)
Puerto Rico-----	3	3	88	14	-	-	8	8	405	96	20	93

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

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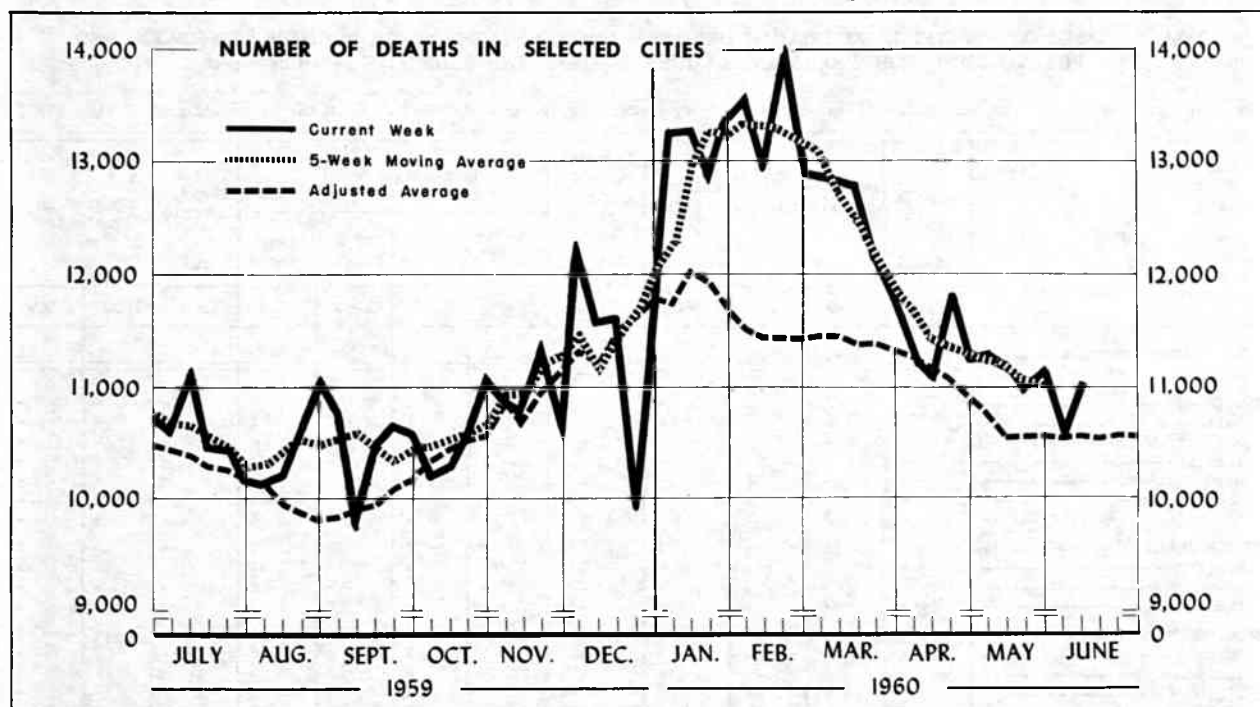
**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JUNE 13, 1959, AND JUNE 11, 1960—Continued**

(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	23d week		Cumulative, first 23 weeks		101	1960	1959
	1960	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES <sup>2</sup> -----	1	46	39	1	5,241	18	19	244	250	5	78	61
NEW ENGLAND-----	-	1	3	-	304	-	1	4	6	-	-	-
Maine-----	-	-	-	-	14	-	1	1	1	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	15	-	-	-	-	-	-	-
Massachusetts-----	-	-	2	-	136	-	-	2	2	-	-	-
Rhode Island-----	-	-	-	-	19	-	-	-	1	-	-	-
Connecticut-----	-	1	1	-	120	-	-	1	2	-	-	-
MIDDLE ATLANTIC <sup>2</sup> -----	-	11	4	-	271	2	1	13	25	-	13	2
New York-----	-	8	2	-	219	2	1	11	10	-	13	1
New Jersey-----	-	3	2	-	52	-	-	-	6	-	-	-
Pennsylvania-----	-	-	-	-	-	-	-	2	9	-	-	1
EAST NORTH CENTRAL-----	-	6	17	1	741	2	6	29	34	-	14	7
Ohio-----	-	-	3	-	156	1	4	4	18	-	8	-
Indiana-----	-	1	-	-	135	-	1	9	5	-	2	1
Illinois-----	-	2	5	-	62	1	1	7	5	-	-	-
Michigan-----	-	2	8	-	228	-	-	5	5	-	4	4
Wisconsin-----	-	1	1	1	160	-	-	4	1	-	-	2
WEST NORTH CENTRAL-----	-	3	2	-	99	1	-	14	13	-	20	9
Minnesota-----	-	2	1	-	16	-	-	1	-	-	5	2
Iowa-----	-	1	-	-	30	-	-	-	-	-	2	3
Missouri-----	-	-	-	-	5	1	-	11	8	-	1	1
North Dakota-----	-	-	-	-	29	-	-	-	1	-	3	2
South Dakota-----	-	-	-	-	2	-	-	1	1	-	9	-
Nebraska-----	-	-	-	-	-	-	-	1	-	-	-	1
Kansas-----	-	-	1	-	17	-	-	-	3	-	-	-
SOUTH ATLANTIC-----	1	7	6	-	278	2	3	31	52	-	11	12
Delaware-----	-	-	-	-	7	-	-	-	-	-	-	-
Maryland-----	-	2	-	-	25	-	-	-	-	-	-	-
District of Columbia-----	-	1	-	-	1	-	1	1	2	-	-	-
Virginia-----	1	-	3	-	85	-	1	4	13	-	2	2
West Virginia-----	-	-	-	-	108	-	-	1	2	-	3	2
North Carolina-----	-	-	2	-	12	-	-	7	5	-	1	1
South Carolina-----	-	-	-	-	37	-	-	6	4	-	-	1
Georgia-----	-	-	-	-	3	2	1	6	9	-	4	4
Florida-----	-	4	1	-	-	-	-	6	17	-	1	2
EAST SOUTH CENTRAL-----	-	11	1	-	861	-	1	40	24	-	5	20
Kentucky-----	-	7	-	-	106	-	-	11	5	-	-	4
Tennessee-----	-	1	-	-	719	-	-	20	9	-	3	5
Alabama-----	-	2	-	-	8	-	-	6	4	-	2	11
Mississippi-----	-	1	1	-	28	-	1	3	6	-	-	-
WEST SOUTH CENTRAL-----	-	4	1	-	686	10	2	76	44	5	13	9
Arkansas-----	-	-	-	-	-	-	-	18	7	-	4	5
Louisiana-----	-	1	1	-	3	5	-	19	7	-	2	-
Oklahoma-----	-	2	-	-	4	-	1	5	7	-	-	-
Texas-----	-	1	-	-	679	5	1	34	23	5	7	4
MOUNTAIN-----	-	-	1	-	1,200	1	1	18	15	-	1	-
Montana-----	-	-	-	-	39	-	-	5	1	-	-	-
Idaho-----	-	-	-	-	59	-	-	-	3	-	-	-
Wyoming-----	-	-	-	-	12	1	-	2	1	-	-	-
Colorado-----	-	-	1	-	463	-	1	-	1	-	-	-
New Mexico-----	-	-	-	-	186	-	-	5	5	-	1	-
Arizona-----	-	-	-	-	250	-	-	6	4	-	-	-
Utah-----	-	-	-	-	186	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	3	-	-	-	-	-	-	-
PACIFIC-----	-	3	4	-	801	-	4	19	37	-	1	2
Washington-----	-	-	-	-	88	-	-	1	1	-	-	-
Oregon-----	-	-	-	-	74	-	1	-	2	-	-	-
California-----	-	3	4	-	635	-	3	18	33	-	1	2
Alaska-----	-	-	-	-	1	-	-	-	1	-	-	-
Hawaii-----	-	-	-	-	3	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	2	-	2	16	4	-	-	1

<sup>2</sup>Data exclude report from Pennsylvania 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	23d week ended June 11, 1960	22d week ended June 4, 1960	Adjusted average, 23d week 1955-59	Percent change <sup>1</sup>	Cumulative, first 23 weeks			
					1960	1959	Adjusted average, 1955-59	Percent change <sup>1</sup>
<b>TOTAL, 117 REPORTING CITIES-----</b>	<sup>2</sup> 11,037	10,619	10,567	+4.4	<sup>2</sup> 280,471	269,342	258,369	+8.6
New England----- (14 cities)	656	641	690	-4.9	17,626	17,000	17,309	+1.8
Middle Atlantic----- (20 cities)	3,095	3,020	3,148	-1.7	77,508	78,378	77,639	-0.2
East North Central----- (21 cities)	2,393	2,278	2,399	-0.3	60,206	58,033	58,320	+3.2
West North Central----- (9 cities)	808	745	753	+7.3	19,555	18,584	16,599	+5.1
South Atlantic----- (11 cities)	918	895	906	+1.3	24,475	22,709	22,352	+9.5
East South Central----- (8 cities)	<sup>2</sup> 471	539	480	-1.9	<sup>2</sup> 12,858	12,006	11,906	+8.0
West South Central----- (13 cities)	977	920	887	+10.1	24,658	22,006	21,474	+14.8
Mountain----- (8 cities)	389	323	276	+40.9	8,715	7,555	6,637	+31.3
Pacific----- (13 cities)	1,330	1,258	1,346	-1.2	34,871	33,071	33,145	+5.2

<sup>1</sup>Current figure divided by adjusted average.

<sup>2</sup>Includes estimate for missing city.

# Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

Area	23d week ended June 11, 1960	22d week ended June 4, 1960	Cumulative, first 23 weeks		Area	23d week ended June 11, 1960	22d week ended June 4, 1960	Cumulative, first 23 weeks	
			1960	1959				1960	1959
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	221	235	6,148	5,811	St. Louis, Mo.-----	230	210	6,043	5,719
Bridgeport, Conn.-----	36	34	1,016	975	St. Paul, Minn.-----	76	69	1,719	1,559
Cambridge, Mass.-----	41	28	763	664	Wichita, Kans.-----	50	31	1,083	1,128
Fall River, Mass.-----	23	22	705	687	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	46	52	1,125	1,165	Atlanta, Ga.-----	87	105	2,842	2,631
Lowell, Mass.-----	18	17	581	546	Baltimore, Md.-----	262	223	6,241	5,687
Lynn, Mass.-----	23	17	599	564	Charlotte, N.C.-----	31	41	1,000	870
New Bedford, Mass.-----	14	23	601	560	Jacksonville, Fla.-----	66	61	1,533	1,374
New Haven, Conn.-----	46	37	1,069	1,064	Miami, Fla.-----	53	45	1,767	1,693
Providence, R.I.-----	61	50	1,560	1,583	Norfolk, Va.-----	31	38	1,012	948
Somerville, Mass.-----	15	12	356	325	Richmond, Va.-----	66	65	1,933	1,808
Springfield, Mass.-----	38	37	1,117	1,077	Savannah, Ga.-----	27	28	888	749
Waterbury, Conn.-----	28	26	667	652	St. Petersburg, Fla.-----	(70)	(80)	(1,812)	(1,591)
Worcester, Mass.-----	46	51	1,319	1,327	Tampa, Fla.-----	54	79	1,639	1,513
<b>MIDDLE ATLANTIC:</b>					<b>EAST SOUTH CENTRAL:</b>				
Albany, N.Y.-----	44	36	1,046	1,336	Birmingham, Ala.-----	76	81	2,079	1,930
Allentown, Pa.-----	34	37	867	853	Chattanooga, Tenn.-----	49	53	1,153	1,079
Buffalo, N.Y.-----	142	162	3,543	3,462	Knoxville, Tenn.-----	25	40	706	643
Camden, N.J.-----	46	46	1,049	985	Louisville, Ky.-----	195	129	2,766	2,637
Elizabeth, N.J.-----	28	26	693	703	Memphis, Tenn.-----	97	108	2,779	2,641
Erle, Pa.-----	38	37	917	891	Mobile, Ala.-----	42	34	1,031	937
Jersey City, N.J.-----	51	61	1,707	1,809	Montgomery, Ala.-----	39	37	867	763
Newark, N.J.-----	85	94	2,336	2,420	Nashville, Tenn.-----	48	57	1,477	1,376
New York City, N.Y.-----	1,554	1,503	39,286	40,156	<b>WEST SOUTH CENTRAL:</b>				
Paterson, N.J.-----	45	37	942	925	Austin, Tex.-----	42	20	856	708
Philadelphia, Pa.-----	468	476	12,021	11,962	Baton Rouge, La.-----	18	27	703	629
Pittsburgh, Pa.-----	218	169	4,699	4,501	Corpus Christi, Tex.-----	24	23	595	480
Reading, Pa.-----	32	31	587	539	Dallas, Tex.-----	136	98	3,045	2,735
Rochester, N.Y.-----	94	84	2,399	2,325	El Paso, Tex.-----	37	35	915	842
Schenectady, N.Y.-----	20	17	568	581	Fort Worth, Tex.-----	61	55	1,632	1,479
Scranton, Pa.-----	45	45	920	955	Houston, Tex.-----	124	220	4,062	3,647
Syracuse, N.Y.-----	69	64	1,512	1,501	Little Rock, Ark.-----	64	41	1,446	1,307
Trenton, N.J.-----	30	41	1,008	1,046	New Orleans, La.-----	208	156	4,448	3,921
Utica, N.Y.-----	25	20	669	683	Oklahoma City, Okla.-----	61	77	1,815	1,580
Yonkers, N.Y.-----	27	34	739	745	San Antonio, Tex.-----	103	81	2,494	2,281
<b>EAST NORTH CENTRAL:</b>					<b>WEST SOUTH CENTRAL:</b>				
Akron, Ohio-----	55	47	1,352	1,399	Shreveport, La.-----	59	42	1,297	1,181
Canton, Ohio-----	29	24	844	787	Tulsa, Okla.-----	40	45	1,350	1,216
Chicago, Ill.-----	711	726	18,472	17,976	<b>MOUNTAIN:</b>				
Cincinnati, Ohio-----	144	116	3,816	3,756	Albuquerque, N. Mex.-----	27	31	717	744
Cleveland, Ohio-----	242	187	5,189	4,920	Colorado Springs, Colo.-----	11	14	398	367
Columbus, Ohio-----	107	108	2,883	2,662	Denver, Colo.-----	144	97	2,873	2,785
Dayton, Ohio-----	64	66	1,700	1,586	Ogden, Utah-----	21	13	408	370
Detroit, Mich.-----	345	302	8,280	7,824	Phoenix, Ariz.-----	73	66	1,899	1,230
Evansville, Ind.-----	33	26	896	900	Pueblo, Colo.-----	20	17	366	316
Flint, Mich.-----	24	39	949	956	Salt Lake City, Utah-----	47	51	1,161	1,162
Fort Wayne, Ind.-----	29	38	885	838	Tucson, Ariz.-----	46	34	893	581
Gary, Ind.-----	43	31	743	726	<b>PACIFIC:</b>				
Grand Rapids, Mich.-----	41	51	1,008	1,013	Berkeley, Calif.-----	13	13	406	422
Indianapolis, Ind.-----	156	143	3,564	3,375	Fresno, Calif.-----	(35)	(36)	(1,106)	(961)
Madison, Wis.-----	34	34	777	687	Glendale, Calif.-----	(31)	(30)	(919)	(850)
Milwaukee, Wis.-----	125	121	3,009	3,037	Honolulu, Hawaii-----	33	42	983	863
Peoria, Ill.-----	24	25	706	700	Long Beach, Calif.-----	54	44	1,318	1,317
Rockford, Ill.-----	28	27	681	677	Los Angeles, Calif.-----	436	424	12,531	11,533
South Bend, Ind.-----	21	20	680	614	Oakland, Calif.-----	99	90	2,321	2,205
Toledo, Ohio-----	84	88	2,422	2,328	Pasadena, Calif.-----	32	34	832	725
Youngstown, Ohio-----	54	59	1,349	1,272	Portland, Oreg.-----	118	80	2,601	2,703
<b>WEST NORTH CENTRAL:</b>					<b>PACIFIC:</b>				
Des Moines, Iowa-----	61	62	1,349	1,253	Sacramento, Calif.-----	67	46	1,380	1,273
Duluth, Minn.-----	28	25	620	630	San Diego, Calif.-----	59	75	2,170	1,933
Kansas City, Kans.-----	39	40	837	766	San Francisco, Calif.-----	183	203	4,805	4,709
Kansas City, Mo.-----	126	114	3,138	2,821	San Jose, Calif.-----	(47)	(43)	(800)	(598)
Lincoln, Nebr.-----	(17)	(29)	(609)	(609)	Seattle, Wash.-----	141	123	3,378	3,205
Minneapolis, Minn.-----	129	127	2,965	2,971	Spokane, Wash.-----	41	52	1,103	1,174
Omaha, Nebr.-----	69	67	1,801	1,737	Tacoma, Wash.-----	54	32	1,043	1,009

<sup>1</sup>Estimated.

<sup>2</sup>Includes 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--	( )

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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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