

Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended March 26, 1960

EPIDEMIOLOGICAL REPORTS

The Pennsylvania Department of Health states that the 19 cases of poliomyelitis (14 paralytic and 5 nonparalytic) reported in that State prior to the week ended March 26 had onset in 1959 and should be included in totals for that year. Consequently these cases have been removed from cumulative totals for 1960. The case reported for the current week is the first 1960 case.

During the past 2 weeks a total of 39 cases of rabies in animals has been reported in New York State, mostly in the western part. The reports indicate that 9 of these cases were in domestic animals, 7 in farm animals, and 23 in wild animals.

Mortality

Mortality from all causes was higher than expected for the twelfth consecutive week. The peak in mortality for this past winter occurred during the seventh week of the year and since then the reported figures have been lower.

Plague

Additional information has been received from Dr. John Mason, New Mexico Department of Public Health, about the 2 cases of plague reported for the week ended March 12. Preliminary information appeared in the Morbidity and Mortality Weekly Report for the week ended March 5. The 2 patients were male Air Force personnel who had hunted rabbits together in an area near Roswell, New Mexico, and 30 miles north of this community on February 19 and 20. The first case began on February 23. The illness was quite severe. The second case developed on February 25 and was much milder. The first case was confirmed as plague by blood culture and a variety of other tests by the Public Health Service Plague Laboratory in San Francisco and by a military laboratory.

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)	12th week			Cumulative						Approximate seasonal low point
	Ended Mar. 26, 1960	Ended Mar. 28, 1959	Median 1955-59	First 12 weeks			Since seasonal low week			
				1960 ¹	1959	Median 1955-59	1959-60 ¹	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	21	1	-	6	1	6	(3)	(3)	(3)	(3)
Botulism-----049.1	-	-	-	3	2	-	(3)	(3)	(3)	(3)
Brucellosis (undulant fever)-----044	10	21	21	179	158	199	(3)	(3)	(3)	(3)
Diphtheria-----055	7	12	16	216	253	272	784	859	1,045	July 1
Encephalitis, infectious-----082	39	24	34	328	302	281	1,950	2,037	1,612	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	761	479	442	8,951	6,674	6,023	17,361	12,091	12,091	Sept. 1
Malaria-----110-117	1	-	3	12	14	17	(3)	(3)	(3)	(3)
Measles-----085	16,437	15,394	22,358	131,242	155,399	179,666	170,711	206,788	223,525	Sept. 1
Meningitis, aseptic-----340 pt.	31	-	-	340	-	-	-	-	-	-
Meningococcal infections-----057	57	72	69	696	665	785	1,360	1,528	1,794	Sept. 1
Poliomyelitis-----080	20	18	31	212	263	497	8,511	6,105	14,874	Apr. 1
Paralytic-----080.0,080.1	15	14	14	150	187	257	5,672	3,206	6,399	Apr. 1
Nonparalytic-----080.2	3	3	15	36	44	156	2,156	1,999	5,771	Apr. 1
Unspecified-----080.3	2	1	4	26	32	84	683	900	2,704	Apr. 1
Psittacosis-----096.2	3	1	5	39	24	56	(3)	(3)	(3)	(3)
Rabies in man-----094	-	-	-	-	-	2	(3)	(3)	(3)	(3)
Streptococcal sore throat, including scarlet fever-----050,051	8,095	-	-	103,669	-	-	-	-	-	-
Typhoid fever-----040	12	8	17	120	122	244	860	1,021	1,704	Apr. 1
Typhus fever, endemic-----101	-	-	2	5	6	15	46	70	111	Apr. 1
Rabies in animals-----	107	75	109	1,020	972	1,249	2,069	1,873	2,299	Oct. 1

¹Data exclude report from North Dakota for the current week.

²Reported in South Carolina.

³Data show no pronounced seasonal change in incidence.

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EPIDEMIOLOGICAL REPORTS—Continued

A subculture from the patient was confirmed as Pasteurella pestis by the New Mexico Public Health Laboratory. The organism was not isolated from the second case but the similar clinical picture and epidemiological evidence led to the diagnosis. No possible exposure other than the 2 hunting trips could be ascertained.

Influenza

Although large cities have continued to report significantly higher mortality, there has been evidence of a declining incidence of influenza in the past 2 weeks.

Dr. W. J. Mogabgab, Tulane University, reports that type A2 influenza was diagnosed by HI tests in 9 men at an Air Force Base in Mississippi. They were ill during the last week of February when respiratory disease rates were doubled at the base.

The World Health Organization, Geneva, reports that beginning about February 20 minor influenza outbreaks began in the primary and secondary schools in the Osaka Area of Japan. A small outbreak was also reported in a hospital near Tokyo. Type A2 viruses have been isolated from these outbreaks.

Salmonellosis

Mr. F. A. Listick, Los Angeles City Health Department, reported that 2 persons became ill with stomach cramps, diarrhea, leg cramps, headache, and fever after eating similar meals in a cafeteria. The incubation period for 1 was 12 hours and 20 hours for the other. Stool and urine specimens from 1 of the individuals were positive for Salmonella heidelberg. The suspect food was either enchiladas or egg custard. The enchiladas were not refrigerated prior to being placed in a steamer before serving; the custard was allowed to stand at room temperature before serving.

Dr. Dean Fisher, Maine Commissioner of Health and Welfare, supplied a delayed report of 3 cases of salmonellosis in members of a family. The first case developed in a 31-year-old male, coaltruck driver; then his 4- and 19-month-old children became ill. The younger child was severely ill. S. typhimurium was isolated from the stools of all 3 individuals. Both of the children had been eating powdered eggs for about 6 weeks before onset of illness. However, since the father's illness occurred first it was assumed that he infected the children. Two stool specimens obtained from the mother about 2 months after the cases occurred were negative.

Paracolon infections

Mr. F. A. Listick, Los Angeles City Health Department, reported that 17 of 20 persons in 2 groups became ill from 11 to 61 hours after eating Chinese food in a restaurant. Symptoms included headache, vomiting, body aches, dizziness, and chills. No temperatures were recorded but several persons complained

of feeling feverish. A variety of foods were eaten by the 2 groups, but apparently the only food common to both groups was rice. Six stool specimens from the 17 ill persons were positive for paracolon organisms—all in the Arizona group. Three of the 12 employees of the restaurant also had stools positive for paracolon, Arizona group. One of the foodhandlers had suffered mild diarrhea a week prior to the outbreak.

Staphylococcal food poisoning

The California State Department of Public Health supplied information on an outbreak of food poisoning among persons eating in a restaurant. A total of 27 cases were reported over a period of several days. The common symptoms were nausea, cramps, vomiting and diarrhea beginning from 2 to 8 hours after eating. Staphylococci, phage type 6/47/53/54/75, were isolated from samples of ham, beef, corned beef, vomitus from one of the ill persons, and from the stomach contents obtained at autopsy from a person who died of a coronary occlusion. Phage type 6/47/53/54/75/77/83 was recovered from cutting board scrapings and creamed celery. Phage type 6/7/42E/47/54/73/75 was recovered from a cook's nose.

Gastroenteritis

Two reports of gastroenteritis of unknown etiology were received from the California State Department of Public Health. In one instance, 7 of 11 persons became ill after eating in a restaurant. Roast beef eaten in sandwiches was the suspect food, although no pathogenic organisms were recovered from samples of the roast beef nor from several other foods—corned beef, potato salad, and coleslaw. Plate counts were considerably higher for the meats than for the salads which were kept refrigerated. The meats were kept at room temperature. One foodhandler had a cut on his thumb but it did not appear to be infected. Specimens from 6 patients were negative. The other report stated that 2 persons became ill after eating chili rellenos in a restaurant. Samples of the rellenos were negative for pathogenic organisms. The rellenos were made from cheese, canned green chili peppers, fresh eggs, flour, and salt. After frying, the mixture was kept at room temperature until a customer's order was received. Then it was refried and a sauce and grated cheese added. A cook was found to have an infected cut on a finger.

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 MARCH 28, 1959, AND MARCH 26, 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 (undu- lant fever) 044 1960
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	12th week		Cumulative, first 12 weeks		12th week		Cumulative, first 12 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES ² -----	20	18	212	263	15	14	150	187	3	3	31	10
NEW ENGLAND-----	-	2	6	4	-	2	6	4	-	-	1	1
Maine-----	-	-	2	-	-	-	2	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	1	-	-	-	1	-	-	-	-
Massachusetts-----	-	1	4	2	-	1	4	2	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	1	-
Connecticut-----	-	1	-	1	-	1	-	1	-	-	-	1
MIDDLE ATLANTIC-----	2	-	32	18	1	-	22	5	-	-	3	-
New York-----	1	-	28	14	-	-	18	4	-	-	-	-
New Jersey-----	-	-	3	2	-	-	3	-	-	-	2	-
Pennsylvania-----	1	-	1	2	1	-	1	1	-	-	1	-
EAST NORTH CENTRAL-----	2	2	25	19	2	1	6	13	-	-	6	1
Ohio-----	1	2	14	9	1	1	3	5	-	-	1	-
Indiana-----	-	-	-	-	-	-	-	-	-	-	2	-
Illinois-----	-	-	3	1	-	-	2	-	-	-	-	1
Michigan-----	1	-	6	8	1	-	1	7	-	-	1	-
Wisconsin-----	-	-	2	1	-	-	-	1	-	-	2	-
WEST NORTH CENTRAL ² -----	4	4	14	32	1	2	8	17	2	2	-	5
Minnesota-----	2	-	8	-	-	-	6	-	2	-	-	-
Iowa-----	2	-	4	-	1	-	2	-	-	-	-	4
Missouri-----	-	4	1	25	-	2	-	16	-	2	-	-
North Dakota-----	-	-	2	1	-	-	2	-	-	-	-	-
South Dakota-----	-	-	1	1	-	-	-	-	-	-	-	-
Nebraska-----	-	-	-	3	-	-	-	1	-	-	-	-
Kansas-----	-	-	-	2	-	-	-	-	-	-	-	1
SOUTH ATLANTIC-----	3	3	40	58	3	3	31	43	-	-	3	-
Delaware-----	-	1	1	2	-	1	-	2	-	-	-	-
Maryland-----	-	-	1	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	-	1	-	-	-	1	-	-	1	-
West Virginia-----	-	-	2	10	-	-	2	9	-	-	1	-
North Carolina-----	-	-	12	4	-	-	12	3	-	-	-	-
South Carolina-----	-	-	2	5	-	-	2	4	-	-	-	-
Georgia-----	1	-	2	2	1	-	2	2	-	-	-	-
Florida-----	2	2	20	34	2	2	13	22	-	-	1	-
EAST SOUTH CENTRAL-----	1	-	8	22	1	-	7	16	-	-	5	-
Kentucky-----	1	-	6	5	1	-	5	4	-	-	3	-
Tennessee-----	-	-	-	5	-	-	-	4	-	-	-	-
Alabama-----	-	-	1	1	-	-	1	-	-	-	-	-
Mississippi-----	-	-	1	11	-	-	1	8	-	-	2	-
WEST SOUTH CENTRAL-----	1	1	13	53	1	1	9	43	-	-	1	-
Arkansas-----	-	-	3	12	-	-	1	12	-	-	-	-
Louisiana-----	1	1	5	8	1	1	4	7	-	-	-	-
Oklahoma-----	-	-	1	3	-	-	1	2	-	-	-	-
Texas-----	-	-	4	30	-	-	3	22	-	-	1	-
MOUNTAIN-----	-	1	11	9	-	1	7	5	-	-	2	2
Montana-----	-	-	4	-	-	-	3	-	-	-	-	-
Idaho-----	-	-	4	-	-	-	1	-	-	-	-	1
Wyoming-----	-	-	-	1	-	-	-	-	-	-	-	-
Colorado-----	-	-	-	-	-	-	-	-	-	-	2	-
New Mexico-----	-	-	-	4	-	-	-	1	-	-	-	-
Arizona-----	-	1	2	4	-	1	2	4	-	-	-	-
Utah-----	-	-	1	-	-	-	1	-	-	-	-	1
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	7	5	63	48	6	4	54	41	1	1	10	1
Washington-----	2	-	6	3	2	-	6	3	-	-	1	-
Oregon-----	-	-	10	3	-	-	6	3	-	-	-	1
California-----	5	5	46	42	4	4	41	35	1	1	9	-
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	1	(3)	-	-	1	(3)	-	-	-	-
Puerto Rico-----	3	-	25	3	3	-	25	3	-	-	1	-

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

²Data exclude report from North Dakota 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 MARCH 28, 1959, AND MARCH 26, 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	
	12th week		Cumulative, first 12 weeks		082		12th week		Cumulative, first 12 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES ² -----	7	12	216	253	39	24	761	479	8,951	6,674	16,437	15,394
NEW ENGLAND-----	1	-	6	3	-	1	18	23	298	221	1,413	866
Maine-----	1	-	2	-	-	-	1	2	21	42	97	36
New Hampshire-----	-	-	-	-	-	-	-	-	5	8	10	15
Vermont-----	-	-	-	-	-	-	-	1	5	14	90	17
Massachusetts-----	-	-	3	3	-	-	11	14	154	94	697	140
Rhode Island-----	-	-	1	-	-	1	3	-	56	20	38	21
Connecticut-----	-	-	-	-	-	-	3	6	57	43	481	637
MIDDLE ATLANTIC-----	1	1	7	18	12	3	63	73	844	908	2,415	3,674
New York-----	-	1	1	11	9	3	37	58	437	554	2,027	673
New Jersey-----	1	-	1	6	1	-	3	7	56	114	270	1,705
Pennsylvania-----	-	-	5	1	2	-	23	8	351	240	118	1,296
EAST NORTH CENTRAL-----	1	-	20	12	5	1	183	67	1,744	1,072	4,510	1,577
Ohio-----	-	-	12	4	-	-	62	11	489	315	603	377
Indiana-----	1	-	4	-	1	1	29	3	262	117	413	180
Illinois-----	-	-	2	6	1	-	28	26	362	219	1,139	198
Michigan-----	-	-	2	-	1	-	56	24	514	348	1,115	260
Wisconsin-----	-	-	-	2	2	-	8	3	117	73	1,240	562
WEST NORTH CENTRAL ² -----	-	2	12	16	1	1	54	38	791	554	289	867
Minnesota-----	-	1	3	6	-	-	7	10	78	125	205	29
Iowa-----	-	-	2	2	-	1	4	2	155	51	48	365
Missouri-----	-	-	1	2	-	-	36	21	284	136	18	340
North Dakota-----	-	-	2 ¹	-	-	-	-	2	2 ⁷⁴	122	-	121
South Dakota-----	-	-	4	2	-	-	1	-	88	4	-	11
Nebraska-----	-	1	-	4	-	-	4	-	58	29	18	1
Kansas-----	-	-	1	-	1	-	2	3	54	87	(*)	(*)
SOUTH ATLANTIC-----	1	1	51	58	1	6	93	30	1,017	683	770	1,932
Delaware-----	-	-	-	-	-	-	5	6	50	35	8	18
Maryland-----	-	-	-	-	-	1	11	9	105	177	131	263
District of Columbia-----	-	-	-	-	-	-	1	-	8	9	58	7
Virginia-----	-	-	8	3	-	3	19	7	255	133	184	708
West Virginia-----	-	-	1	1	-	-	24	-	219	172	102	309
North Carolina-----	-	-	1	6	-	-	6	-	52	37	71	217
South Carolina-----	-	-	12	4	-	-	-	1	25	11	74	182
Georgia-----	-	-	8	27	-	2	12	2	97	45	3	15
Florida-----	1	1	21	17	1	-	15	5	206	64	139	213
EAST SOUTH CENTRAL-----	1	-	21	32	4	-	104	59	1,433	638	1,356	841
Kentucky-----	-	-	-	1	-	-	23	34	611	337	335	394
Tennessee-----	-	-	3	3	1	-	42	9	445	127	878	378
Alabama-----	1	-	12	7	-	-	19	8	282	112	35	2
Mississippi-----	-	-	6	21	3	-	20	8	95	62	108	67
WEST SOUTH CENTRAL-----	1	8	72	104	3	1	62	49	636	445	2,958	1,399
Arkansas-----	-	1	1	30	-	-	2	-	29	17	129	6
Louisiana-----	1	1	14	33	-	-	4	1	27	30	25	2
Oklahoma-----	-	-	5	1	-	-	12	3	109	62	124	22
Texas-----	-	6	52	40	3	1	44	45	471	336	2,680	1,369
MOUNTAIN-----	1	-	26	7	-	3	56	50	812	1,040	763	1,476
Montana-----	1	-	1	-	-	-	2	10	38	101	88	120
Idaho-----	-	-	11	-	-	-	13	2	122	137	163	28
Wyoming-----	-	-	5	-	-	-	-	-	5	37	1	30
Colorado-----	-	-	2	2	-	1	14	11	225	299	126	393
New Mexico-----	-	-	3	4	-	-	13	7	139	225	-	148
Arizona-----	-	-	1	-	-	-	9	14	191	172	157	640
Utah-----	-	-	3	-	-	2	5	6	76	56	228	107
Nevada-----	-	-	-	1	-	-	-	-	16	13	-	10
PACIFIC-----	-	-	1	3	13	8	128	90	1,376	1,113	1,963	2,762
Washington-----	-	-	-	-	-	-	14	11	162	178	639	547
Oregon-----	-	-	-	1	-	-	14	16	261	238	235	259
California-----	-	-	-	1	13	8	100	62	848	689	793	1,913
Alaska-----	-	-	1	1	-	-	-	1	73	8	6	43
Hawaii-----	-	-	-	(1)	-	-	-	-	32	(15)	290	(30)
Puerto Rico-----	4	-	56	7	-	-	16	-	255	49	78	48

²Data exclude report from North Dakota for the current week.

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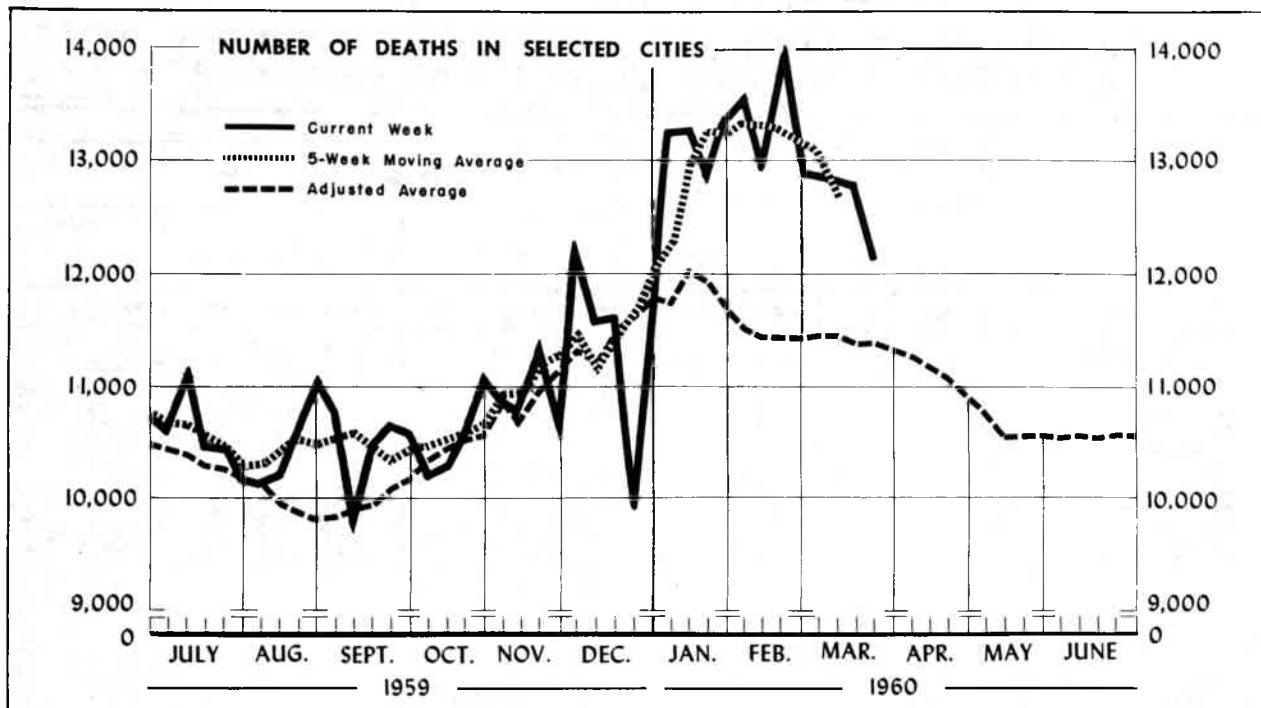
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MARCH 28, 1959, AND MARCH 26, 1960—Continued

(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	12th week		Cumulative, first 12 weeks		101	Rabies in animals	
	1960	1960	1959	1960	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES ² -----	1	57	72	3	8,095	12	8	120	122	-	107	75	
NEW ENGLAND-----	-	8	6	-	561	-	1	1	2	-	-	-	
Maine-----	-	1	1	-	67	-	-	-	-	-	-	-	
New Hampshire-----	-	1	-	-	15	-	-	-	-	-	-	-	
Vermont-----	-	1	-	-	13	-	-	-	-	-	-	-	
Massachusetts-----	-	2	4	-	256	-	-	1	-	-	-	-	
Rhode Island-----	-	1	-	-	35	-	-	-	1	-	-	-	
Connecticut-----	-	2	1	-	175	-	1	-	1	-	-	-	
MIDDLE ATLANTIC-----	-	12	6	-	666	-	-	5	14	-	23	4	
New York-----	-	7	-	-	282	-	-	3	5	-	20	3	
New Jersey-----	-	2	3	-	131	-	-	-	3	-	-	-	
Pennsylvania-----	-	3	3	-	253	-	-	2	6	-	3	1	
EAST NORTH CENTRAL-----	-	14	20	-	1,391	1	1	10	10	-	12	8	
Ohio-----	-	6	8	-	305	-	-	1	5	-	7	3	
Indiana-----	-	-	-	-	307	1	-	2	1	-	2	2	
Illinois-----	-	5	2	-	221	-	-	3	1	-	-	-	
Michigan-----	-	2	10	-	319	-	1	4	2	-	3	1	
Wisconsin-----	-	1	-	-	239	-	-	-	1	-	-	2	
WEST NORTH CENTRAL ² -----	-	2	1	-	225	1	-	8	5	-	19	15	
Minnesota-----	-	-	-	-	35	-	-	-	-	-	4	1	
Iowa-----	-	-	1	-	117	-	-	-	-	-	6	3	
Missouri-----	-	1	-	-	32	-	-	7	3	-	6	8	
North Dakota-----	-	-	-	-	-	-	-	2	1	-	-	1	
South Dakota-----	-	-	-	-	41	1	-	1	-	-	-	-	
Nebraska-----	-	-	-	-	-	-	-	-	-	-	-	1	
Kansas-----	-	1	-	-	-	-	-	-	1	-	3	1	
SOUTH ATLANTIC-----	1	9	10	-	318	-	3	19	29	-	4	14	
Delaware-----	-	-	-	-	22	-	-	-	-	-	-	-	
Maryland-----	-	-	1	-	28	-	-	-	-	-	-	-	
District of Columbia-----	-	-	1	-	4	-	-	1	-	-	-	-	
Virginia-----	-	-	3	-	128	-	2	3	6	-	2	4	
West Virginia-----	-	2	-	-	71	-	-	1	2	-	1	4	
North Carolina-----	1	3	3	-	28	-	-	7	5	-	28	2	
South Carolina-----	-	-	-	-	34	-	-	5	3	-	1	-	
Georgia-----	-	1	-	-	3	-	1	-	2	-	-	2	
Florida-----	-	3	2	-	-	-	-	2	11	-	-	2	
EAST SOUTH CENTRAL-----	-	1	14	-	1,289	1	2	27	12	-	15	14	
Kentucky-----	-	-	3	-	92	-	-	10	2	-	1	8	
Tennessee-----	-	-	1	-	1,105	1	1	15	6	-	14	2	
Alabama-----	-	1	7	-	29	-	-	2	2	-	-	4	
Mississippi-----	-	-	3	-	63	-	1	-	2	-	-	-	
WEST SOUTH CENTRAL-----	-	9	3	-	936	6	1	29	25	-	28	18	
Arkansas-----	-	2	1	-	7	5	-	12	4	-	16	4	
Louisiana-----	-	4	2	-	4	-	-	9	6	-	-	-	
Oklahoma-----	-	1	-	-	8	1	-	2	4	-	-	-	
Texas-----	-	2	-	-	917	-	1	6	11	-	12	14	
MOUNTAIN-----	-	-	1	-	1,387	-	-	9	8	-	1	-	
Montana-----	-	-	-	-	41	-	-	4	1	-	-	-	
Idaho-----	-	-	-	-	152	-	-	-	2	-	-	-	
Wyoming-----	-	-	-	-	25	-	-	-	1	-	-	-	
Colorado-----	-	-	-	-	462	-	-	-	-	-	1	-	
New Mexico-----	-	-	-	-	205	-	-	5	1	-	-	-	
Arizona-----	-	-	1	-	202	-	-	-	3	-	-	-	
Utah-----	-	-	-	-	300	-	-	-	-	-	-	-	
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-	
PACIFIC-----	-	2	11	3	1,322	3	-	12	17	-	5	2	
Washington-----	-	-	1	-	418	-	-	-	1	-	-	-	
Oregon-----	-	-	-	-	76	-	-	-	1	-	-	-	
California-----	-	2	7	3	821	3	-	12	14	-	5	2	
Alaska-----	-	-	3	-	1	-	-	-	1	-	-	-	
Hawaii-----	-	-	-	-	6	-	-	-	-	-	-	-	
Puerto Rico-----	-	-	-	-	1	-	-	13	2	-	-	1	

²Data exclude report from North Dakota for the current week.

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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	12th week ended Mar. 26, 1960	11th week ended Mar. 19, 1960	Adjusted average, 12th week 1955-59	Percent change ¹	Cumulative, first 12 weeks			
					1960	1959	Adjusted average, 1955-59	Percent change ¹
TOTAL, 117 REPORTING CITIES-----	² 12,111	12,830	11,408	+6.2	² 156,901	144,305	139,048	+12.8
New England----- (14 cities)	730	811	764	-4.5	9,991	9,133	9,402	+6.3
Middle Atlantic----- (20 cities)	3,494	3,580	3,423	+2.1	42,507	41,396	41,702	+1.9
East North Central----- (21 cities)	2,567	2,660	2,544	+0.9	33,677	31,076	31,322	+7.5
West North Central----- (9 cities)	² 794	918	810	-2.0	² 10,987	10,110	10,048	+9.3
South Atlantic----- (11 cities)	1,018	1,152	983	+3.6	13,928	12,192	12,133	+14.8
East South Central----- (8 cities)	609	581	525	+16.0	7,208	6,490	6,468	+11.4
West South Central----- (13 cities)	1,040	1,128	959	+8.4	14,122	12,093	11,682	+20.9
Mountain----- (8 cities)	353	376	294	+20.1	4,785	3,990	3,535	+35.4
Pacific----- (13 cities)	1,506	1,624	1,476	+2.0	19,696	17,825	17,785	+10.7

¹Current figure divided by adjusted average.

²Includes estimate for missing city.

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Table 4. DEATHS IN SELECTED CITIES

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

Area	12th week ended Mar, 26, 1960	11th week ended Mar, 19, 1960	Cumulative, first 12 weeks		Area	12th week ended Mar, 26, 1960	11th week ended Mar, 19, 1960	Cumulative, first 12 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	251	297	3,474	3,093	St. Louis, Mo.-----	242	316	3,490	3,171
Bridgeport, Conn.-----	49	41	561	523	St. Paul, Minn.-----	70	69	976	831
Cambridge, Mass.-----	28	43	423	359	Wichita, Kans.-----	35	57	596	600
Fall River, Mass.-----	37	32	409	354	SOUTH ATLANTIC:				
Hartford, Conn.-----	44	55	649	623	Atlanta, Ga.-----	134	150	1,616	1,419
Lowell, Mass.-----	27	28	323	297	Baltimore, Md.-----	238	254	3,567	3,038
Lynn, Mass.-----	31	23	352	295	Charlotte, N.C.-----	37	66	596	453
New Bedford, Mass.-----	28	32	338	300	Jacksonville, Fla.-----	62	57	895	731
New Haven, Conn.-----	34	42	597	570	Miami, Fla.-----	62	71	998	925
Providence, R.I.-----	56	55	871	877	Norfolk, Va.-----	48	49	620	531
Somerville, Mass.-----	16	17	206	188	Richmond, Va.-----	86	70	1,092	966
Springfield, Mass.-----	57	46	665	603	Savannah, Ga.-----	40	48	506	422
Waterbury, Conn.-----	30	34	373	349	St. Petersburg, Fla.-----	(94)	(91)	(1,028)	(931)
Worcester, Mass.-----	42	66	750	702	Tampa, Fla.-----	69	98	896	816
MIDDLE ATLANTIC:					EAST SOUTH CENTRAL:				
Albany, N.Y.-----	35	38	563	706	Birmingham, Ala.-----	138	79	1,184	1,070
Allentown, Pa.-----	39	47	449	442	Chattanooga, Tenn.-----	51	67	665	591
Buffalo, N.Y.-----	164	142	1,952	1,784	Knoxville, Tenn.-----	21	37	412	336
Camden, N.J.-----	51	41	597	479	Louisville, Ky.-----	129	140	1,556	1,411
Elizabeth, N.J.-----	41	35	394	345	Memphis, Tenn.-----	118	129	1,514	1,458
Erie, Pa.-----	38	43	477	447	Mobile, Ala.-----	51	44	582	487
Jersey City, N.J.-----	90	84	936	992	Montgomery, Ala.-----	40	39	473	397
Newark, N.J.-----	139	136	1,331	1,307	Nashville, Tenn.-----	61	46	822	740
New York City, N.Y.-----	1,791	1,755	21,207	21,115	WEST SOUTH CENTRAL:				
Paterson, N.J.-----	34	35	534	488	Austin, Tex.-----	30	36	519	394
Philadelphia, Pa.-----	510	660	6,755	6,496	Baton Rouge, La.-----	31	36	420	372
Pittsburgh, Pa.-----	193	217	2,629	2,408	Corpus Christi, Tex.-----	17	31	350	252
Reading, Pa.-----	30	25	304	280	Dallas, Tex.-----	139	128	1,670	1,459
Rochester, N.Y.-----	109	102	1,379	1,235	El Paso, Tex.-----	31	44	542	463
Schenectady, N.Y.-----	24	22	317	277	Fort Worth, Tex.-----	64	64	908	813
Scranton, Pa.-----	30	32	510	485	Houston, Tex.-----	167	189	2,346	1,962
Syracuse, N.Y.-----	62	55	842	784	Little Rock, Ark.-----	57	88	835	750
Trenton, N.J.-----	58	51	537	563	New Orleans, La.-----	182	201	2,561	2,199
Utica, N.Y.-----	31	25	393	386	Oklahoma City, Okla.-----	85	81	1,021	863
Yonkers, N.Y.-----	25	35	401	377	San Antonio, Tex.-----	118	111	1,447	1,240
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio-----	66	61	755	735	Albuquerque, N. Mex.-----	31	33	401	400
Canton, Ohio-----	46	31	486	429	Colorado Springs, Colo.-----	17	19	234	210
Chicago, Ill.-----	793	806	10,362	9,517	Denver, Colo.-----	121	114	1,617	1,416
Cincinnati, Ohio-----	158	176	2,207	2,049	Ogden, Utah-----	15	16	223	201
Cleveland, Ohio-----	181	247	2,948	2,697	Phoenix, Ariz.-----	81	84	1,011	697
Columbus, Ohio-----	120	114	1,621	1,433	Pueblo, Colo.-----	17	12	193	158
Dayton, Ohio-----	70	79	946	814	Salt Lake City, Utah-----	37	53	633	598
Detroit, Mich.-----	333	385	4,586	4,234	Tucson, Ariz.-----	34	45	473	310
Evansville, Ind.-----	56	33	492	479	PACIFIC:				
Flint, Mich.-----	51	39	511	514	Berkeley, Calif.-----	23	19	231	233
Fort Wayne, Ind.-----	34	44	495	438	Fresno, Calif.-----	(41)	(62)	(667)	(513)
Gary, Ind.-----	36	26	405	412	Glendale, Calif.-----	(39)	(37)	(546)	(458)
Grand Rapids, Mich.-----	49	40	541	518	Honolulu, Hawaii-----	47	55	538	443
Indianapolis, Ind.-----	163	158	1,943	1,796	Long Beach, Calif.-----	55	54	718	711
Madison, Wis.-----	42	31	399	347	Los Angeles, Calif.-----	502	528	7,336	6,291
Milwaukee, Wis.-----	115	124	1,664	1,676	Oakland, Calif.-----	107	118	1,267	1,205
Peoria, Ill.-----	27	28	388	377	Pasadena, Calif.-----	36	42	478	393
Rockford, Ill.-----	30	30	371	360	Portland, Ore.-----	131	118	1,388	1,470
South Bend, Ind.-----	29	33	396	331	Sacramento, Calif.-----	57	58	808	659
Toledo, Ohio-----	103	115	1,387	1,237	San Diego, Calif.-----	103	105	1,241	1,063
Youngstown, Ohio-----	65	60	774	683	San Francisco, Calif.-----	209	225	2,687	2,482
WEST NORTH CENTRAL:					San Jose, Calif.-----				
Des Moines, Iowa-----	53	57	735	709	(34)	(31)	(369)	(313)	
Duluth, Minn.-----	22	34	352	324	Seattle, Wash.-----	143	184	1,827	1,746
Kansas City, Kans.-----	133	36	2,463	399	Spokane, Wash.-----	49	58	598	613
Kansas City, Mo.-----	149	144	1,757	1,565	Tacoma, Wash.-----	44	60	579	516
Lincoln, Nebr.-----	(25)	(26)	(336)	(319)					
Minneapolis, Minn.-----	115	118	1,608	1,581					
Omaha, Nebr.-----	75	87	1,010	930					

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--	()

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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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