

Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

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

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Executive 3-6300, Ext. 4744

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended April 2, 1960

At the end of the first quarter of 1960, the reported number of cases of hepatitis is about 37 percent above the comparable figures for 1959 and exceeds the median figure for the period 1955-1959. The increase is most apparent in the East South Central geographic division where all the States have higher figures for 1960 compared with those for 1959. Figures for the other Central Divisions and the South Atlantic Division are more than 40 percent larger than the figures for 1959, but the figures for the Middle Atlantic and Mountain Divisions are smaller. The current upswing in the number of reported cases began in the fall of 1958.

Among the other more common diseases listed in table 1, figures for brucellosis, infectious encephalitis, meningococcal infections, and rabies in animals exceed 1959 cumulative totals. More than half of the cases of brucellosis have been reported in Iowa where a number of cases have occurred among employees of a meatpacking plant. Three States, Arkansas,

New York, and Texas account for about 40 percent of the cases of rabies in animals reported this year.

Cases of diphtheria, measles, and poliomyelitis are being reported in smaller numbers this year compared with 1959. Only 1 outbreak of diphtheria has been reported this year; this was in Idaho. Although the United States total number of cases of measles is less this year, a number of States—mostly in the East North Central and both South Central Divisions—are reporting larger numbers. Arkansas, Florida, Missouri, and Texas, which reported a number of cases of poliomyelitis during the first 13 weeks of 1959, have reported fewer cases this year.

The poliomyelitis disease year, measured from the first week of April, ended with the current week. Some data are shown in table 1. The total number of cases was about 40 percent above the number for the 1958-59 disease year. The

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)	13th WEEK			Cumulative						Approximate seasonal low point
	Ended Apr. 2, 1 1960	Ended Apr. 4, 1959	Median 1955-59	First 13 weeks			Since seasonal low week			
				1960 ¹	1959	Median 1955-59	1959-60 ¹	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	2	1	6	3	6	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	3	2	-	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	11	16	21	190	174	221	(2)	(2)	(2)	(2)
Diphtheria-----055	10	7	15	226	260	286	794	866	1,059	July 1
Encephalitis, infectious-----082	37	29	29	366	331	307	1,988	2,066	1,652	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	831	479	419	9,784	7,153	6,442	18,214	12,570	12,570	Sept. 1
Malaria-----110-117	1	3	3	13	17	20	(2)	(2)	(2)	(2)
Measles-----085	16,298	14,964	22,895	147,603	170,363	200,340	187,072	221,752	244,199	Sept. 1
Meningitis, aseptic-----340 pt.	28	-	-	367	-	-	-	-	-	-
Meningococcal infections-----057	62	55	55	759	720	848	1,423	1,583	1,857	Sept. 1
Poliomyelitis-----080	10	30	33	222	293	530	8,521	6,135	14,907	Apr. 1
Paralytic-----080.0,080.1	6	21	21	156	208	275	5,678	3,227	6,417	Apr. 1
Nonparalytic-----080.2	3	4	10	39	48	166	2,159	2,003	5,781	Apr. 1
Unspecified-----080.3	1	5	5	27	37	89	684	905	2,709	Apr. 1
Pittacosis-----096.2	2	7	3	41	31	59	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	-	-	2	(2)	(2)	(2)	(2)
Streptococcal sore throat, including scarlet fever-----050,051	8,896	-	-	113,026	-	-	-	-	-	-
Typhoid fever-----040	8	5	17	128	127	261	868	1,026	1,721	Apr. 1
Typhus fever, endemic-----101	-	-	-	5	6	16	46	70	111	Apr. 1
Rabies in animals-----	80	84	133	1,101	1,056	1,348	2,150	1,957	2,398	Oct. 1

¹Data exclude report from Arizona for the current week.

²Data show no pronounced seasonal change in incidence.

number of paralytic cases increased 76 percent. Sixty-seven percent of the cases were classified as paralytic during the 1959-60 year. The seasonal peak for total cases occurred the week ended September 5, 1959, and for paralytic cases the week ended September 19. The other 2 diseases for which the seasonal low point is considered to be about April 1—typhoid fever and endemic typhus—were reported in considerably smaller numbers during the 1959-60 year than during previous years.

No previous data with which to compare current figures for aseptic meningitis are available since this is the first year this category has been reportable. However, cumulative figures show that about a fourth of the cases are being reported in California and about 13 percent in Texas. The number of cases of streptococcal infections reported so far this year is running about double the numbers for the years 1952-55, the last years for which data on a weekly basis are available. The States reporting the largest numbers are Tennessee and Texas, each with more than 14,000 cases. March is usually the peak month for reported cases of streptococcal infections.

Although data on the number of cases of influenza are not available, it is apparent from reports that the disease occurred in all parts of the country during the first 3 months of 1960. Except for its widespread occurrence in Texas and southern California, the disease was characterized by localized outbreaks. In several areas pneumonia was a more common complication than usual and deaths from influenza and pneumonia were considerably in excess of the expected or adjusted average.

Mortality

Mortality from all causes for the week ended April 2 was higher than expected for the 13th consecutive week. However, the figure reported was lower than that for last week and is approaching the adjusted average.

EPIDEMIOLOGICAL REPORTS

Poliomyelitis

The Canadian Surveillance Reports of Epidemic Diseases, March 26, states that 47 cases of paralytic poliomyelitis have

been reported in Canada through March 12, compared with 18 cases for the comparable period in 1959. The largest number of cases, 20, has been reported from British Columbia where an outbreak of 15 paralytic poliomyelitis cases has been reported in a town with a population of 1,100. Ten cases have been reported in Quebec, 7 in Alberta, 4 in Newfoundland, 3 in New Brunswick, and 1 each in Nova Scotia, Ontario, and Manitoba.

Malaria

The North Carolina Communicable Disease Report for the week ended March 26 states that the case of malaria reported for that week occurred in a 21-year-old ex-serviceman, recently returned from Ethiopia. The parasite was identified as Plasmodium vivax. During December of 1959, prior to his return to North Carolina, the individual had suffered a previous bout of illness clinically resembling malaria, but the diagnosis was not confirmed despite blood smear examinations.

The case reported in North Carolina for the current week was in a serviceman and was confirmed also as due to P. vivax.

QUARANTINE MEASURES

Immunization Information for International Travel
Public Health Service Publication No. 384 (1959)

Changes Reported

The following name should be deleted from the list of Designated Yellow Fever Vaccination Centers, Section 6:

<u>City</u>	<u>Center</u>	<u>Clinic Hours</u>	<u>Fee</u>
Alabama Montgomery	U.S. Public Health Service, Communicable Disease Center, Virus and Rickettsia Section Post Office Box 61 (on Wetumpko Highway, Route 9, North, adjacent to Gunter Air Force Base)	2d and 3d Tuesday, 2 p.m., by appointment only	No
	Tel. 3-4468, ext. 25		

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 4, 1959, AND APRIL 2, 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. 1960	Brucel- losis (undul- lant fever) 044 1960
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	13th week		Cumulative, first 13 weeks		13th week		Cumulative, first 13 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES²	10	30	222	293	6	21	156	208	3	4	28	11
NEW ENGLAND	-	-	6	4	-	-	6	4	-	-	1	-
Maine	-	-	2	-	-	-	2	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	1	-	-	-	1	-	-	-	-
Massachusetts	-	-	4	2	-	-	4	2	-	-	-	-
Rhode Island	-	-	-	-	-	-	-	-	-	-	1	-
Connecticut	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC	-	-	32	18	-	-	22	5	-	-	-	-
New York	-	-	28	14	-	-	18	4	-	-	-	-
New Jersey	-	-	3	2	-	-	3	-	-	-	-	-
Pennsylvania	-	-	1	2	-	-	1	1	-	-	-	-
EAST NORTH CENTRAL	3	1	28	20	2	-	8	13	-	-	4	2
Ohio	1	1	15	10	-	-	3	5	-	-	-	1
Indiana	1	-	1	-	1	-	1	-	-	-	2	1
Illinois	-	-	3	1	-	-	2	-	-	-	2	-
Michigan	1	-	7	8	1	-	2	7	-	-	-	-
Wisconsin	-	-	2	1	-	-	-	1	-	-	-	-
WEST NORTH CENTRAL	-	2	14	34	-	1	8	18	-	-	1	6
Minnesota	-	-	8	-	-	-	6	-	-	-	-	-
Iowa	-	-	4	-	-	-	2	-	-	-	-	4
Missouri	-	1	1	26	-	1	-	17	-	-	-	-
North Dakota	-	-	-	1	-	-	-	-	-	-	-	-
South Dakota	-	1	1	2	-	-	-	-	-	-	-	1
Nebraska	-	-	-	3	-	-	-	1	-	-	-	1
Kansas	-	-	-	2	-	-	-	-	-	-	1	-
SOUTH ATLANTIC	2	6	42	64	2	4	33	47	-	-	8	1
Delaware	-	-	1	2	-	-	-	2	-	-	-	-
Maryland	-	-	1	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	1	-	-	-	1	-	-	-	-
West Virginia	1	1	3	11	1	1	3	10	-	-	-	1
North Carolina	-	1	12	5	-	1	12	4	-	-	-	-
South Carolina	-	1	2	6	-	-	2	4	-	-	-	-
Georgia	-	-	2	2	-	-	2	2	-	-	-	-
Florida	1	3	21	37	1	2	14	24	-	-	8	-
EAST SOUTH CENTRAL	-	4	8	26	-	2	7	18	-	1	1	1
Kentucky	-	1	6	6	-	1	5	5	-	-	-	-
Tennessee	-	3	-	8	-	1	-	5	-	1	-	1
Alabama	-	-	1	1	-	-	1	-	-	-	-	-
Mississippi	-	-	1	11	-	-	1	8	-	-	1	-
WEST SOUTH CENTRAL	1	10	14	63	-	8	9	51	1	2	1	-
Arkansas	-	-	3	12	-	-	1	12	-	-	-	-
Louisiana	-	4	5	12	-	3	4	10	-	1	-	-
Oklahoma	-	-	1	3	-	-	1	2	-	-	-	-
Texas	1	6	5	36	-	5	3	27	1	1	1	-
MOUNTAIN²	-	1	11	10	-	1	7	6	-	-	1	1
Montana	-	-	4	-	-	-	3	-	-	-	-	-
Idaho	-	-	4	-	-	-	1	-	-	-	-	-
Wyoming	-	-	-	1	-	-	-	-	-	-	-	-
Colorado	-	1	-	1	-	1	-	1	-	-	1	-
New Mexico	-	-	-	4	-	-	-	1	-	-	-	-
Arizona	-	-	22	4	-	-	22	4	-	-	-	-
Utah	-	-	1	-	-	-	1	-	-	-	-	1
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	4	6	67	54	2	5	56	46	2	1	11	-
Washington	-	1	6	4	-	1	6	4	-	-	-	-
Oregon	1	-	11	3	1	-	7	3	-	-	-	-
California	3	5	49	47	1	4	42	39	2	1	11	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	1	(3)	-	-	1	(3)	-	-	-	-
Puerto Rico	1	-	26	3	1	-	26	3	-	-	2	-

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

²Data exclude report from Arizona 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 APRIL 4, 1959, AND APRIL 2, 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	
	13th week		Cumulative, first 13 weeks		082		13th week		Cumulative, first 13 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES ² -----	10	7	226	260	37	29	831	479	9,784	7,153	16,298	14,964
NEW ENGLAND-----	-	-	6	3	3	4	26	14	324	235	776	1,010
Maine-----	-	-	2	-	-	-	1	1	22	43	141	280
New Hampshire-----	-	-	-	-	-	-	4	-	9	8	13	19
Vermont-----	-	-	-	-	-	-	-	-	5	14	105	33
Massachusetts-----	-	-	3	3	1	2	15	11	169	105	-	170
Rhode Island-----	-	-	1	-	2	2	1	-	57	20	88	17
Connecticut-----	-	-	-	-	-	-	5	2	62	45	429	491
MIDDLE ATLANTIC-----	-	-	7	18	10	6	98	63	942	971	2,658	3,542
New York-----	-	-	1	11	6	6	39	26	476	580	2,132	857
New Jersey-----	-	-	1	6	3	-	12	5	68	119	385	1,120
Pennsylvania-----	-	-	5	1	1	-	47	32	398	272	141	1,565
EAST NORTH CENTRAL-----	1	2	21	14	3	6	203	89	1,947	1,161	4,904	1,504
Ohio-----	1	1	13	5	-	-	82	23	571	338	741	404
Indiana-----	-	-	4	-	3	1	31	7	293	124	427	141
Illinois-----	-	-	2	6	-	2	43	21	405	240	1,002	205
Michigan-----	-	1	2	1	-	3	45	37	559	385	1,377	338
Wisconsin-----	-	-	-	2	-	-	2	1	119	74	1,357	416
WEST NORTH CENTRAL-----	-	-	12	16	-	1	67	43	860	597	418	771
Minnesota-----	-	-	3	6	-	-	10	10	88	135	333	14
Iowa-----	-	-	2	2	-	-	6	-	161	51	31	189
Missouri-----	-	-	1	2	-	-	29	16	313	152	13	105
North Dakota-----	-	-	1	-	-	1	2	7	78	129	31	351
South Dakota-----	-	-	4	2	-	-	2	-	90	4	-	61
Nebraska-----	-	-	-	4	-	-	3	9	61	38	10	51
Kansas-----	-	-	1	-	-	-	15	1	69	88	(*)	(*)
SOUTH ATLANTIC-----	1	-	52	58	2	3	117	57	1,134	740	892	1,687
Delaware-----	-	-	-	-	-	-	6	4	56	39	7	21
Maryland-----	-	-	-	-	1	2	14	9	119	186	170	51
District of Columbia-----	-	-	-	-	-	-	2	-	10	9	78	19
Virginia-----	-	-	8	3	-	-	26	14	281	147	176	720
West Virginia-----	-	-	1	1	-	-	20	4	239	176	127	332
North Carolina-----	-	-	1	6	1	-	7	-	59	37	38	167
South Carolina-----	1	-	13	4	-	-	5	-	30	11	49	240
Georgia-----	-	-	8	27	-	-	9	19	106	64	5	-
Florida-----	-	-	21	17	-	1	28	7	234	71	244	137
EAST SOUTH CENTRAL-----	2	-	23	32	-	-	98	44	1,531	682	1,360	699
Kentucky-----	-	-	-	1	-	-	43	13	654	350	460	41
Tennessee-----	2	-	5	3	-	-	36	20	481	147	756	358
Alabama-----	-	-	12	7	-	-	11	7	293	119	50	201
Mississippi-----	-	-	6	21	-	-	8	4	103	66	94	99
WEST SOUTH CENTRAL-----	5	4	77	108	5	-	73	37	709	482	2,834	1,773
Arkansas-----	-	-	1	30	-	-	4	2	33	19	45	50
Louisiana-----	3	2	17	35	-	-	1	2	28	32	5	-
Oklahoma-----	-	-	5	1	1	-	8	5	117	67	27	42
Texas-----	2	2	54	42	4	-	60	28	531	364	2,757	1,681
MOUNTAIN ² -----	1	1	27	8	1	-	55	51	867	1,091	598	1,410
Montana-----	1	-	2	-	-	-	6	8	44	109	66	276
Idaho-----	-	-	11	-	-	-	4	2	126	139	113	14
Wyoming-----	-	-	5	-	1	-	1	1	6	38	3	5
Colorado-----	-	-	2	2	-	-	27	12	252	311	189	155
New Mexico-----	-	-	3	4	-	-	13	22	152	247	-	236
Arizona-----	-	1	² 1	1	-	-	-	6	² 191	178	-	575
Utah-----	-	-	3	-	-	-	4	-	80	56	200	118
Nevada-----	-	-	-	1	-	-	-	-	16	13	27	31
PACIFIC-----	-	-	1	3	13	9	94	81	1,470	1,194	1,858	2,568
Washington-----	-	-	-	-	-	-	11	10	173	188	454	606
Oregon-----	-	-	-	1	-	-	18	25	279	263	293	301
California-----	-	-	-	1	13	9	62	45	910	734	951	1,651
Alaska-----	-	-	1	1	-	-	2	1	75	9	17	10
Hawaii-----	-	-	-	(1)	-	-	1	(1)	33	(16)	143	(89)
Puerto Rico-----	6	4	62	11	-	-	47	15	302	64	45	111

²Data exclude report from Arizona for the current week.

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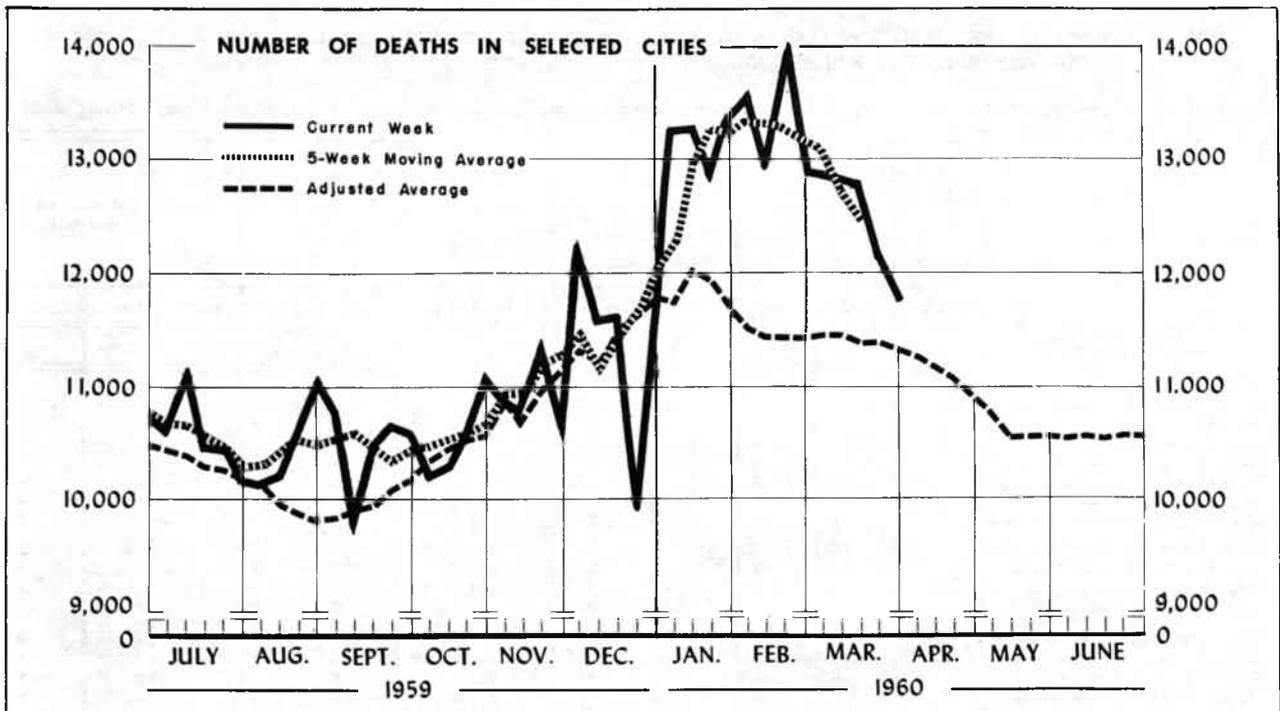
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 4, 1959, AND APRIL 2, 1960—Continued

(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	13th week		Cumulative, first 13 weeks		101		
	1960	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959	
UNITED STATES ² -----	1	62	55	2	8,896	8	5	128	127	-	80	84	
NEW ENGLAND-----	-	7	3	-	433	-	-	1	2	-	-	-	
Maine-----	-	-	-	-	30	-	-	-	-	-	-	-	
New Hampshire-----	-	-	-	-	16	-	-	-	-	-	-	-	
Vermont-----	-	1	-	-	8	-	-	-	-	-	-	-	
Massachusetts-----	-	3	3	-	180	-	-	1	-	-	-	-	
Rhode Island-----	-	2	-	-	58	-	-	-	1	-	-	-	
Connecticut-----	-	1	-	-	141	-	-	-	1	-	-	-	
MIDDLE ATLANTIC-----	-	22	9	-	947	-	1	5	15	-	3	1	
New York-----	-	18	4	-	514	-	-	3	5	-	3	1	
New Jersey-----	-	-	2	-	219	-	1	-	4	-	-	-	
Pennsylvania-----	-	4	3	-	214	-	-	2	6	-	-	-	
EAST NORTH CENTRAL-----	-	6	9	1	1,680	2	-	12	10	-	10	5	
Ohio-----	-	1	1	-	303	-	-	1	5	-	-	-	
Indiana-----	-	2	1	-	415	2	-	4	1	-	3	4	
Illinois-----	-	1	6	-	172	-	-	3	1	-	-	-	
Michigan-----	-	1	1	-	499	-	-	4	2	-	7	-	
Wisconsin-----	-	1	-	1	291	-	-	-	1	-	-	1	
WEST NORTH CENTRAL-----	-	-	3	-	263	-	-	8	5	-	13	38	
Minnesota-----	-	-	-	-	40	-	-	-	-	-	5	6	
Iowa-----	-	-	-	-	98	-	-	-	-	-	2	11	
Missouri-----	-	-	1	-	78	-	-	7	3	-	5	10	
North Dakota-----	-	-	2	-	47	-	-	-	1	-	-	-	
South Dakota-----	-	-	-	-	-	-	-	1	-	-	-	10	
Nebraska-----	-	-	-	-	-	-	-	-	-	-	-	1	
Kansas-----	-	-	-	-	-	-	-	-	1	-	1	-	
SOUTH ATLANTIC-----	1	10	8	-	404	-	1	19	30	-	12	11	
Delaware-----	-	1	-	-	12	-	-	-	-	-	-	-	
Maryland-----	-	-	2	-	52	-	-	-	-	-	-	-	
District of Columbia-----	-	-	-	-	2	-	-	1	-	-	-	-	
Virginia-----	-	2	2	-	166	-	-	3	6	-	10	3	
West Virginia-----	-	2	-	-	96	-	-	1	2	-	1	2	
North Carolina-----	1	2	1	-	31	-	-	7	5	-	-	-	
South Carolina-----	-	-	2	-	40	-	-	5	3	-	-	-	
Georgia-----	-	-	1	-	5	-	1	-	3	-	1	5	
Florida-----	-	3	-	-	-	-	-	2	11	-	-	1	
EAST SOUTH CENTRAL-----	-	7	8	-	1,298	1	2	28	14	-	14	14	
Kentucky-----	-	-	4	-	434	-	-	10	2	-	3	8	
Tennessee-----	-	3	2	-	769	1	-	16	6	-	8	3	
Alabama-----	-	2	2	-	30	-	-	2	2	-	3	3	
Mississippi-----	-	2	-	-	65	-	2	-	4	-	-	-	
WEST SOUTH CENTRAL-----	-	2	8	-	910	4	1	33	26	-	27	15	
Arkansas-----	-	1	1	-	13	-	-	12	4	-	7	9	
Louisiana-----	-	-	3	-	6	1	-	10	6	-	-	1	
Oklahoma-----	-	-	-	-	13	-	-	2	4	-	1	-	
Texas-----	-	1	4	-	878	3	1	9	12	-	19	5	
MOUNTAIN ² -----	-	3	-	-	1,584	1	-	10	8	-	-	-	
Montana-----	-	-	-	-	75	1	-	5	1	-	-	-	
Idaho-----	-	-	-	-	74	-	-	-	2	-	-	-	
Wyoming-----	-	-	-	-	17	-	-	-	1	-	-	-	
Colorado-----	-	1	-	-	958	-	-	-	-	-	-	-	
New Mexico-----	-	-	-	-	220	-	-	5	1	-	-	-	
Arizona-----	-	-	-	-	-	-	-	2	3	-	-	-	
Utah-----	-	1	-	-	228	-	-	-	-	-	-	-	
Nevada-----	-	1	-	-	12	-	-	-	-	-	-	-	
PACIFIC-----	-	5	7	1	1,377	-	-	12	17	-	1	-	
Washington-----	-	1	3	-	396	-	-	-	1	-	-	-	
Oregon-----	-	-	2	-	65	-	-	-	1	-	-	-	
California-----	-	3	2	1	873	-	-	12	14	-	1	-	
Alaska-----	-	1	-	-	33	-	-	-	1	-	-	-	
Hawaii-----	-	-	-	-	10	-	-	-	-	-	-	-	
Puerto Rico-----	-	-	-	-	3	1	-	14	2	-	6	-	

²Data exclude report from Arizona 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	13th week ended Apr. 2, 1960	12th week ended Mar. 26, 1960	Adjusted average, 13th week 1955-59	Percent change ¹	Cumulative, first 13 weeks			
					1960	1959	Adjusted average, 1955-59	Percent change ¹
TOTAL, 117 REPORTING CITIES-----	² 11,763	² 12,111	11,343	+3.7	² 168,664	156,428	150,391	+12.2
New England----- (14 cities)	761	730	758	+0.4	10,752	9,947	10,160	+5.8
Middle Atlantic----- (20 cities)	3,251	3,494	3,432	-5.3	45,758	45,100	45,134	+1.4
East North Central----- (21 cities)	2,501	2,567	2,539	-1.5	36,178	33,599	33,861	+6.8
West North Central----- (9 cities)	810	794	804	+0.7	² 11,797	10,915	10,852	+8.7
South Atlantic----- (11 cities)	999	1,018	977	+2.3	14,927	13,212	13,110	+13.9
East South Central----- (8 cities)	570	609	516	+10.5	7,778	7,025	6,984	+11.4
West South Central----- (13 cities)	992	1,040	936	+6.0	15,114	13,026	12,618	+19.8
Mountain----- (8 cities)	373	353	297	+25.6	5,158	4,323	3,832	+34.6
Pacific----- (13 cities)	1,506	1,506	1,462	+3.0	21,202	19,281	19,247	+10.2

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	13th week ended Apr. 2, 1960	12th week ended Mar. 26, 1960	Cumulative, first 13 weeks		Area	13th week ended Apr. 2, 1960	12th week ended Mar. 26, 1960	Cumulative, first 13 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	288	251	3,762	3,371	St. Louis, Mo.-----	286	242	3,776	3,397
Bridgeport, Conn.-----	47	49	608	571	St. Paul, Minn.-----	64	70	1,040	907
Cambridge, Mass.-----	39	28	462	388	Wichita, Kans.-----	47	35	643	656
Fall River, Mass.-----	33	37	442	384	SOUTH ATLANTIC:				
Hartford, Conn.-----	40	44	689	680	Atlanta, Ga.-----	102	134	1,718	1,532
Lowell, Mass.-----	22	27	345	328	Baltimore, Md.-----	237	238	3,804	3,295
Lynn, Mass.-----	19	31	371	325	Charlotte, N.C.-----	49	37	645	504
New Bedford, Mass.-----	19	28	357	331	Jacksonville, Fla.-----	63	62	958	798
New Haven, Conn.-----	50	34	647	647	Miami, Fla.-----	78	62	1,076	1,011
Providence, R.I.-----	60	56	931	944	Norfolk, Va.-----	36	48	656	571
Somerville, Mass.-----	17	16	223	195	Richmond, Va.-----	89	86	1,181	1,039
Springfield, Mass.-----	44	57	709	653	Savannah, Ga.-----	56	40	562	447
Waterbury, Conn.-----	26	30	399	381	St. Petersburg, Fla.-----	(91)	(94)	(1,119)	(999)
Worcester, Mass.-----	57	42	807	749	Tampa, Fla.-----	61	69	957	892
MIDDLE ATLANTIC:					Washington, D.C.-----				
Albany, N.Y.-----	49	35	612	767	Wilmington, Del.-----	41	35	575	529
Allentown, Pa.-----	37	39	486	489	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	144	164	2,096	1,928	Birmingham, Ala.-----	89	138	1,273	1,149
Camden, N.J.-----	45	51	642	536	Chattanooga, Tenn.-----	56	51	721	648
Elizabeth, N.J.-----	31	41	425	380	Knoxville, Tenn.-----	35	21	447	371
Erie, Pa.-----	44	38	521	489	Louisville, Ky.-----	118	129	1,674	1,516
Jersey City, N.J.-----	85	90	1,021	1,083	Memphis, Tenn.-----	133	118	1,647	1,572
Newark, N.J.-----	80	139	1,411	1,431	Mobile, Ala.-----	37	51	619	518
New York City, N.Y.-----	1,768	1,791	22,975	23,074	Montgomery, Ala.-----	53	40	526	444
Paterson, N.J.-----	35	34	569	541	Nashville, Tenn.-----	49	61	871	807
Philadelphia, Pa.-----	361	510	7,116	7,041	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	204	193	2,833	2,593	Austin, Tex.-----	34	30	553	430
Reading, Pa.-----	34	30	358	304	Baton Rouge, La.-----	35	31	455	404
Rochester, N.Y.-----	96	109	1,475	1,327	Corpus Christi, Tex.-----	26	17	376	265
Schenectady, N.Y.-----	22	24	339	309	Dallas, Tex.-----	129	139	1,799	1,578
Scranton, Pa.-----	31	30	541	534	El Paso, Tex.-----	36	31	578	501
Syracuse, N.Y.-----	69	62	911	847	Fort Worth, Tex.-----	54	64	962	891
Trenton, N.J.-----	44	58	581	604	Houston, Tex.-----	182	167	2,528	2,136
Utica, N.Y.-----	29	31	422	414	Little Rock, Ark.-----	53	57	888	782
Yonkers, N.Y.-----	43	25	444	409	New Orleans, La.-----	165	182	2,726	2,346
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----				
Akron, Ohio-----	58	66	813	804	San Antonio, Tex.-----	98	118	1,545	1,349
Canton, Ohio-----	28	46	514	464	Shreveport, La.-----	39	63	741	723
Chicago, Ill.-----	747	793	11,109	10,312	Tulsa, Okla.-----	74	56	875	696
Cincinnati, Ohio-----	161	158	2,368	2,197	MOUNTAIN:				
Cleveland, Ohio-----	221	181	3,169	2,916	Albuquerque, N. Mex.-----	38	31	439	424
Columbus, Ohio-----	126	120	1,747	1,544	Colorado Springs, Colo.-----	17	17	251	234
Dayton, Ohio-----	78	70	1,024	900	Denver, Colo.-----	110	121	1,727	1,542
Detroit, Mich.-----	350	333	4,936	4,532	Ogden, Utah-----	20	15	243	224
Evansville, Ind.-----	49	56	541	511	Phoenix, Ariz.-----	79	81	1,090	747
Flint, Mich.-----	36	51	547	549	Pueblo, Colo.-----	17	17	210	172
Fort Wayne, Ind.-----	35	34	530	486	Salt Lake City, Utah-----	50	37	683	647
Gary, Ind.-----	21	36	426	436	Tucson, Ariz.-----	42	34	515	333
Grand Rapids, Mich.-----	29	49	570	571	PACIFIC:				
Indianapolis, Ind.-----	157	163	2,100	1,990	Berkeley, Calif.-----	21	23	252	247
Madison, Wis.-----	31	42	430	370	Fresno, Calif.-----	(37)	(41)	(704)	(555)
Milwaukee, Wis.-----	133	115	1,797	1,800	Glendale, Calif.-----	(27)	(39)	(573)	(492)
Peoria, Ill.-----	38	27	426	400	Honolulu, Hawaii-----	36	47	574	484
Rockford, Ill.-----	27	30	398	389	Long Beach, Calif.-----	59	55	777	768
South Bend, Ind.-----	34	29	430	361	Los Angeles, Calif.-----	499	502	7,835	6,780
Toledo, Ohio-----	92	103	1,479	1,319	Oakland, Calif.-----	108	107	1,375	1,316
Youngstown, Ohio-----	50	65	824	748	Pasadena, Calif.-----	28	36	506	418
WEST NORTH CENTRAL:					Portland, Oreg.-----				
Des Moines, Iowa-----	57	53	792	774	Sacramento, Calif.-----	123	131	1,511	1,588
Duluth, Minn.-----	19	22	371	353	San Diego, Calif.-----	52	57	860	715
Kansas City, Kans.-----	128	133	2,491	422	San Francisco, Calif.-----	108	103	1,349	1,132
Kansas City, Mo.-----	109	149	1,866	1,681	San Jose, Calif.-----	222	209	2,909	2,722
Lincoln, Nebr.-----	(23)	(25)	(359)	(354)	Seattle, Wash.-----	(26)	(34)	(395)	(349)
Minneapolis, Minn.-----	120	115	1,728	1,725	Spokane, Wash.-----	156	143	1,983	1,887
Omaha, Nebr.-----	80	75	1,090	1,000	Tacoma, Wash.-----	44	49	642	666

¹Estimated.

²Includes estimate for current week and previous 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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