

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 May 21, 1960

For the week ended May 21, a total of 895 cases of infectious and serum hepatitis were reported. This figure does not include cases in Kentucky, where an average of about 40 cases has been reported during the last few weeks. Of the 895 cases, 133 were reported in California, and 6 States reported from 54 to 66 cases. The total for the week is close to 2½ times the figure for the comparable week in 1959 and is the second highest weekly figure reported this year—938 cases were reported for the week ended April 9.

Thirteen cases of paralytic poliomyelitis were reported for the current week. This is above the average for the last 7 weeks for which the number of cases ranged from 5 to 10. However, the 13 cases amount to less than half the figure for the comparable week in 1959—28 paralytic cases. The 9 cases of paralytic poliomyelitis reported in Puerto Rico occurred in 7 localities.

EPIDEMIOLOGICAL REPORTS

Psittacosis

Dr. Edward Aaron, San Diego City (California) Department of Public Health, supplied information on a case of psittacosis in a 42-year-old woman. The woman died about one month after onset of illness. The woman first suffered severe shortness of breath. A week later she was admitted to a hospital with several tentative diagnoses, including psittacosis. A complement-fixation test performed about 3 weeks after onset gave a titer of 1:512. Pathological observations were consistent with psittacosis. Hemolytic staphylococci were recovered from material obtained by bronchoscopy but not from autopsy material. The woman had been exposed to 2 parakeets in her home since September 1959. Complement-fixation tests on both birds were negative. The birds had been

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)	20th week			Cumulative						Approximate seasonal low point
	Ended May 21, 1960 ¹	Ended May 23, 1959	Median 1955-59	First 20 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	10	7	9	(2)	(2)	(2)	(2)
Botulism-----049.1	-	2	-	3	5	2	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	19	46	24	333	296	372	(2)	(2)	(2)	(2)
Diphtheria-----055	6	10	11	299	341	386	867	947	1,159	July 1
Encephalitis, infectious-----082	37	21	34	599	549	549	2,221	2,284	1,873	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	895	376	376	15,738	10,116	9,519	24,168	15,533	15,533	Sept. 1
Malaria-----110-117	-	-	3	20	25	32	(2)	(2)	(2)	(2)
Measles-----085	18,833	15,435	21,359	286,097	282,151	401,737	325,566	333,540	455,047	Sept. 1
Meningitis, aseptic-----340 pt.	29	-	-	562	-	-	-	-	-	-
Meningococcal infections-----057	59	43	54	1,117	1,085	1,180	1,781	1,948	2,189	Sept. 1
Poliomyelitis-----080	17	38	61	304	478	871	83	185	341	Apr. 1
Paralytic-----080.0,080.1	13	28	32	216	333	427	61	125	152	Apr. 1
Nonparalytic-----080.2	2	7	19	54	88	316	15	40	150	Apr. 1
Unspecified-----080.3	2	3	10	34	57	128	7	20	39	Apr. 1
Psittacosis-----096.2	1	3	4	36	47	118	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	-	-	2	(2)	(2)	(2)	(2)
Streptococcal sore throat, including scarlet fever-----050,051	6,587	-	-	165,266	-	-	-	-	-	-
Typhoid fever-----040	15	11	26	204	208	401	76	81	140	Apr. 1
Typhus fever, endemic-----101	1	1	1	15	11	30	10	5	10	Apr. 1
Rabies in animals-----	55	56	99	1,646	1,559	2,050	2,695	2,460	3,100	Oct. 1

¹Data exclude report from Kentucky for the current week.

²Data show no pronounced seasonal change in incidence.

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EPIDEMIOLOGICAL REPORTS—Continued

purchased from a variety store; neither had been ill. The woman gave a history of exposure to psittacine birds for a long period of her lifetime. It was also reported that she had had pulmonary disorders since age 19. A right thoracoplasty was done at age 20. There was also evidence of bronchial and allergic conditions. Specific allergens mentioned were dust, wool, and feathers.

Infectious hepatitis

The North Carolina Communicable Disease Report for the week ended May 14, 1960, states that through May 14 there have been 108 cases of infectious hepatitis with onset in 1960, compared with 26 cases for the same period in 1959. The occurrence by race of 106 cases reported through May 9 was given as follows: white—81, Negro—16, and Indian—9. The age breakdown shows that 6 cases were in children under 5 years of age, 70 in persons from 5 to 19 years, and 29 individuals were in the age group 20 years and over. The age of one was unknown.

Influenza

The Epidemiology Division of the Canadian Department of National Health and Welfare states that an outbreak of influenza-like disease has been reported at Slave Lake in the Northwest Territories. About 20 percent of the population were affected beginning about March 24 and ending April 10. Whole families

were ill at the same time and all ages were affected except infants under 6 months of age. At Coppermine, also in the Northwest Territories, which has a population of 228 Eskimos and 47 white persons, 81 percent of the former and 47 percent of the latter were affected in an epidemic. Forty-five persons had to be admitted to a hospital and of these, 35 had pulmonary complications. A second outbreak has occurred at Pelly Bay where 1 infant and 3 adults died.

QUARANTINE MEASURES

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

Changes Reported

Please delete the previous information on cholera vaccination and insert the following:

Asia.—Saudi Arabia, Page 45. Cholera.—During the Pilgrimage Season, February 27 to June 24, 1960, all travelers arriving from cholera infected local areas or on pilgrim aircraft are required to possess a certificate showing 2 injections given at an interval of 7 days. Further, they must present a certificate that they have spent at least 5 days outside an infected local area before arrival in Saudi Arabia.

All other information remains the same.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 23, 1959, AND MAY 21, 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 (undulant fever) 044 1960
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	20th week		Cumulative, first 20 weeks		20th week		Cumulative, first 20 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES ² -----	17	38	304	478	13	28	216	333	2	7	29	19
NEW ENGLAND-----	1	-	10	6	1	-	10	5	-	-	-	-
Maine-----	-	-	5	-	-	-	5	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	1	-	-	-	1	-	-	-	-
Massachusetts-----	1	-	5	4	1	-	5	3	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC-----	1	-	41	34	1	-	29	14	-	-	2	1
New York-----	1	-	33	26	1	-	22	11	-	-	-	1
New Jersey-----	-	-	6	6	-	-	6	2	-	-	2	-
Pennsylvania-----	-	-	2	2	-	-	1	1	-	-	-	-
EAST NORTH CENTRAL-----	-	5	39	39	-	2	13	21	-	1	6	2
Ohio-----	-	5	18	20	-	2	5	8	-	1	-	-
Indiana-----	-	-	-	2	-	-	-	1	-	-	-	-
Illinois-----	-	-	6	3	-	-	4	1	-	-	5	2
Michigan-----	-	-	12	11	-	-	3	8	-	-	1	-
Wisconsin-----	-	-	3	3	-	-	1	3	-	-	-	-
WEST NORTH CENTRAL-----	1	5	16	50	1	3	10	28	-	1	1	12
Minnesota-----	-	2	8	2	-	1	6	1	-	1	1	1
Iowa-----	-	-	4	1	-	-	2	1	-	-	-	9
Missouri-----	1	1	3	31	1	1	2	22	-	-	-	-
North Dakota-----	-	-	-	1	-	-	-	-	-	-	-	-
South Dakota-----	-	-	1	2	-	-	-	-	-	-	-	1
Nebraska-----	-	1	-	6	-	1	-	4	-	-	-	1
Kansas-----	-	1	-	7	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	1	9	48	103	1	8	38	78	-	1	1	1
Delaware-----	-	-	1	2	-	-	-	2	-	-	-	-
Maryland-----	-	-	1	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	2	-	5	-	2	-	5	-	-	-	1
West Virginia-----	-	-	3	13	-	-	3	10	-	-	-	-
North Carolina-----	-	-	15	7	-	-	15	6	-	-	-	-
South Carolina-----	-	1	2	8	-	1	2	6	-	-	-	-
Georgia-----	-	1	3	4	-	1	2	4	-	-	-	-
Florida-----	1	5	23	64	1	4	16	45	-	1	1	-
EAST SOUTH CENTRAL ² -----	3	1	12	38	3	1	11	23	-	-	1	2
Kentucky-----	-	-	²⁶ 6	8	-	-	²⁵ 6	6	-	-	-	1
Tennessee-----	1	1	1	13	1	1	1	8	-	-	-	1
Alabama-----	-	-	1	1	-	-	1	-	-	-	-	1
Mississippi-----	2	-	4	16	2	-	4	9	-	-	1	-
WEST SOUTH CENTRAL-----	4	10	34	106	3	7	24	81	1	3	2	1
Arkansas-----	-	-	3	17	-	-	1	17	-	-	1	-
Louisiana-----	2	-	8	14	2	-	7	12	-	-	-	-
Oklahoma-----	-	1	3	4	-	-	3	2	-	1	-	-
Texas-----	2	9	20	71	1	7	13	50	1	2	1	1
MOUNTAIN-----	2	5	16	20	-	5	8	13	-	-	3	-
Montana-----	2	-	6	-	-	-	3	-	-	-	1	-
Idaho-----	-	-	4	-	-	-	1	-	-	-	-	-
Wyoming-----	-	-	1	1	-	-	-	-	-	-	-	-
Colorado-----	-	-	1	2	-	-	1	2	-	-	2	-
New Mexico-----	-	-	1	5	-	-	-	1	-	-	-	-
Arizona-----	-	5	2	10	-	5	2	10	-	-	-	-
Utah-----	-	-	1	2	-	-	1	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	4	3	88	82	3	2	73	70	1	1	13	-
Washington-----	-	-	6	5	-	-	6	5	-	-	3	-
Oregon-----	-	1	12	8	-	-	8	6	-	1	-	-
California-----	4	2	68	69	3	2	58	59	1	-	10	-
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	2	(4)	-	-	1	(4)	-	-	-	-
Puerto Rico-----	9	-	116	3	9	-	115	3	-	-	-	-

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

²Data exclude report from Kentucky 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 MAY 23, 1959, AND MAY 21, 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	
	20th week		Cumulative, first 20 weeks		082		20th week		Cumulative, first 20 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES ² -----	6	10	299	341	37	21	895	376	15,738	10,116	18,833	15,435
NEW ENGLAND-----	-	-	8	4	-	1	23	15	487	329	2,423	927
Maine-----	-	-	2	-	-	-	1	5	35	59	123	145
New Hampshire-----	-	-	-	-	-	-	2	-	17	9	107	6
Vermont-----	-	-	-	-	-	-	-	-	8	17	170	60
Massachusetts-----	-	-	5	4	-	1	11	7	252	148	1,214	231
Rhode Island-----	-	-	1	-	-	-	3	1	80	34	142	30
Connecticut-----	-	-	-	-	-	-	6	2	95	62	667	455
MIDDLE ATLANTIC-----	-	2	8	34	6	6	118	67	1,614	1,452	2,394	3,324
New York-----	-	2	1	19	3	2	58	43	808	872	1,670	993
New Jersey-----	-	-	1	9	2	1	6	5	136	172	438	1,211
Pennsylvania-----	-	-	6	6	1	3	54	19	670	408	286	1,120
EAST NORTH CENTRAL-----	-	2	22	19	4	1	192	46	3,054	1,626	6,490	2,096
Ohio-----	-	1	14	6	1	-	63	15	966	486	641	513
Indiana-----	-	1	3	2	-	-	19	2	416	171	511	183
Illinois-----	-	-	2	8	-	1	47	16	641	326	1,209	381
Michigan-----	-	-	3	1	3	-	57	9	884	544	1,807	480
Wisconsin-----	-	-	-	2	-	-	6	4	147	99	2,322	539
WEST NORTH CENTRAL-----	-	2	16	32	1	1	54	25	1,318	813	433	751
Minnesota-----	-	2	5	16	-	-	9	5	133	188	217	150
Iowa-----	-	-	2	2	-	-	14	3	233	78	86	201
Missouri-----	-	-	2	3	1	-	14	5	476	211	11	263
North Dakota-----	-	-	1	1	-	-	3	4	100	177	101	104
South Dakota-----	-	-	5	3	-	-	-	-	113	7	2	11
Nebraska-----	-	-	-	7	-	-	10	1	123	45	16	22
Kansas-----	-	-	1	-	-	1	4	7	140	107	(*)	(*)
SOUTH ATLANTIC-----	4	-	66	75	7	1	127	36	1,875	941	1,026	1,742
Delaware-----	-	-	-	-	-	-	3	1	101	49	8	19
Maryland-----	-	-	1	1	4	1	18	11	188	243	143	99
District of Columbia-----	-	-	-	-	-	-	1	-	12	10	14	34
Virginia-----	-	-	8	4	-	-	14	3	379	179	374	752
West Virginia-----	-	-	2	1	-	-	61	2	375	197	265	371
North Carolina-----	-	-	4	6	1	-	8	2	132	50	73	146
South Carolina-----	-	-	15	4	-	-	3	-	36	14	50	39
Georgia-----	2	-	13	29	-	-	4	3	147	87	14	31
Florida-----	2	-	23	30	2	-	15	14	505	112	85	251
EAST SOUTH CENTRAL ² -----	-	-	36	43	2	-	74	31	2,396	963	889	918
Kentucky-----	-	-	2 ¹	4	-	-	-	11	2,951	451	-	394
Tennessee-----	-	-	5	4	-	-	41	10	775	226	645	356
Alabama-----	-	-	18	9	-	-	29	10	500	201	63	87
Mississippi-----	-	-	12	26	2	-	4	-	170	85	181	81
WEST SOUTH CENTRAL-----	2	4	113	122	1	4	75	31	1,280	762	1,794	1,448
Arkansas-----	1	-	2	31	-	1	-	-	53	35	6	5
Louisiana-----	-	1	26	39	-	-	4	6	48	76	3	4
Oklahoma-----	-	-	6	1	-	-	5	-	188	109	92	34
Texas-----	1	3	79	51	1	3	66	25	991	542	1,693	1,405
MOUNTAIN-----	-	-	29	9	-	3	55	40	1,299	1,510	1,074	1,673
Montana-----	-	-	2	-	-	-	4	8	54	151	140	47
Idaho-----	-	-	11	-	-	-	6	4	171	164	75	55
Wyoming-----	-	-	5	-	-	-	1	-	10	42	50	10
Colorado-----	-	-	2	3	-	1	21	10	447	465	396	372
New Mexico-----	-	-	4	4	-	-	4	3	204	320	-	170
Arizona-----	-	-	2	1	-	2	12	12	276	270	211	376
Utah-----	-	-	3	-	-	-	7	3	118	84	192	642
Nevada-----	-	-	-	1	-	-	-	-	19	14	10	1
PACIFIC-----	-	-	1	3	16	4	177	85	2,415	1,720	2,310	2,556
Washington-----	-	-	-	-	-	-	15	15	276	269	573	728
Oregon-----	-	-	-	1	-	-	28	18	452	346	550	284
California-----	-	-	-	1	16	4	133	52	1,533	1,093	1,051	1,525
Alaska-----	-	-	1	1	-	-	-	-	115	12	72	19
Hawaii-----	-	-	-	(1)	-	-	1	-	39	(23)	64	(60)
Puerto Rico-----	4	-	82	11	-	-	11	-	372	87	35	96

²Data exclude report from Kentucky for current week.

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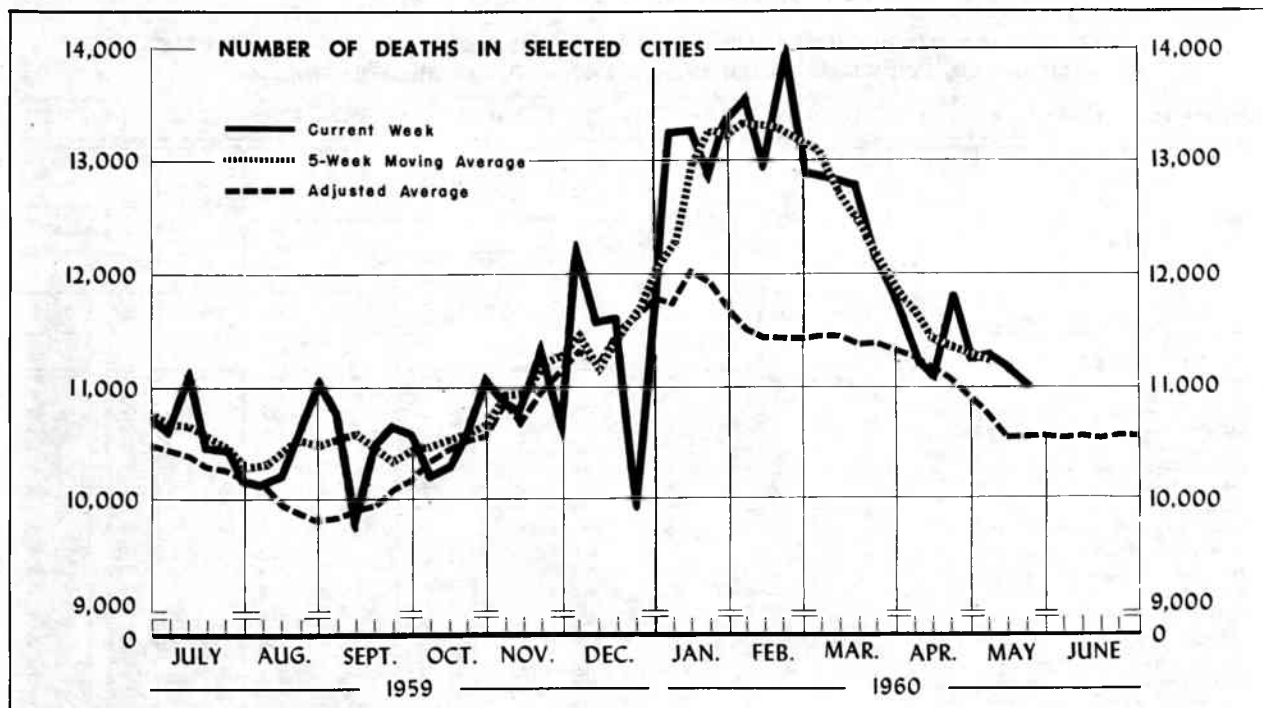
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 23, 1959, AND MAY 21, 1960—Continued

(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	20th week		Cumulative, first 20 weeks		101	1960	1959
	1960	1959	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES ²	-	59	45	-	1	6,587	15	11	204	208	1	55	56
NEW ENGLAND	-	2	2	-	-	489	1	-	4	3	-	-	-
Maine	-	1	-	-	-	27	1	-	1	-	-	-	-
New Hampshire	-	-	-	-	-	10	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	52	-	-	-	-	-	-	-
Massachusetts	-	1	1	-	-	200	-	-	2	1	-	-	-
Rhode Island	-	-	1	-	-	35	-	-	-	1	-	-	-
Connecticut	-	-	-	-	-	165	-	-	1	1	-	-	-
MIDDLE ATLANTIC	-	18	10	-	-	448	1	-	10	22	-	10	5
New York	-	15	3	-	-	241	1	-	8	8	-	10	5
New Jersey	-	2	1	-	-	75	-	-	-	5	-	-	-
Pennsylvania	-	1	6	-	-	132	-	-	2	9	-	-	-
EAST NORTH CENTRAL	-	11	8	1	-	824	1	1	26	24	-	5	8
Ohio	-	2	4	-	-	180	-	-	3	12	-	-	-
Indiana	-	1	-	-	-	168	-	1	8	4	-	2	5
Illinois	-	4	1	1	-	113	1	-	6	4	-	-	1
Michigan	-	4	1	-	-	195	-	-	5	3	-	3	1
Wisconsin	-	-	2	-	-	168	-	-	4	1	-	-	1
WEST NORTH CENTRAL	-	6	3	-	-	149	1	2	12	10	-	15	14
Minnesota	-	1	-	-	-	17	-	-	1	-	-	3	6
Iowa	-	2	1	-	-	34	-	-	-	-	-	5	3
Missouri	-	1	1	-	-	25	1	1	9	5	-	6	2
North Dakota	-	-	-	-	-	41	-	-	-	1	-	-	-
South Dakota	-	-	-	-	-	-	-	-	1	1	-	-	-
Nebraska	-	2	-	-	-	-	-	-	1	-	-	1	3
Kansas	-	-	1	-	-	32	-	1	-	3	-	-	-
SOUTH ATLANTIC	-	12	5	-	-	473	1	1	25	46	-	5	12
Delaware	-	-	-	-	-	-	-	-	-	-	-	-	-
Maryland	-	1	-	-	-	42	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	1	-	-	1	1	-	-	-
Virginia	-	4	1	-	-	101	-	-	3	11	-	3	3
West Virginia	-	-	-	-	-	219	-	-	1	2	-	2	-
North Carolina	-	3	2	-	-	18	-	-	7	5	-	-	2
South Carolina	-	-	1	-	-	29	-	-	6	4	-	-	-
Georgia	-	-	-	-	-	5	1	1	2	7	-	-	4
Florida	-	4	1	-	-	58	-	-	5	16	-	-	3
EAST SOUTH CENTRAL ²	-	-	4	-	-	949	4	2	39	20	-	5	5
Kentucky	-	-	-	-	-	-	-	-	² 11	4	-	-	2
Tennessee	-	-	1	-	-	933	1	1	19	8	-	4	2
Alabama	-	-	3	-	-	13	2	1	6	3	-	1	1
Mississippi	-	-	-	-	-	3	1	-	3	5	-	-	-
WEST SOUTH CENTRAL	-	5	3	-	-	657	5	3	58	40	1	11	11
Arkansas	-	-	-	-	-	4	2	-	18	6	-	3	5
Louisiana	-	-	2	-	-	2	-	-	12	7	-	-	-
Oklahoma	-	-	-	-	-	8	-	-	5	6	-	-	-
Texas	-	5	1	-	-	643	3	3	23	21	1	8	6
MOUNTAIN	-	2	2	-	-	1,525	-	-	13	13	-	2	-
Montana	-	-	-	-	-	56	-	-	5	1	-	-	-
Idaho	-	-	-	-	-	49	-	-	-	2	-	-	-
Wyoming	-	-	-	-	-	15	-	-	1	1	-	-	-
Colorado	-	-	-	-	-	782	-	-	-	-	-	-	-
New Mexico	-	2	-	-	-	155	-	-	5	5	-	1	-
Arizona	-	-	2	-	-	180	-	-	2	4	-	1	-
Utah	-	-	-	-	-	286	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	2	-	-	-	-	-	-	-
PACIFIC	-	3	6	-	-	1,073	1	2	17	30	-	2	1
Washington	-	-	1	-	-	290	-	-	1	1	-	-	-
Oregon	-	1	-	-	-	99	-	-	-	1	-	-	-
California	-	2	5	-	-	658	1	2	16	27	-	2	1
Alaska	-	-	-	-	-	42	-	-	-	1	-	-	-
Hawaii	-	-	-	-	-	4	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	-	16	2	-	-	-

²Data exclude report from Kentucky for 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	20th week ended May 21, 1960	19th week ended May 14, 1960	Adjusted average, 20th week 1955-59	Percent change ¹	Cumulative, first 20 weeks			
					1960	1959	Adjusted average, 1955-59	Percent change ¹
TOTAL, 117 REPORTING CITIES-----	² 11,005	11,158	10,565	+4.2	² 247,537	236,719	226,690	+9.2
New England----- (14 cities)	² 691	695	700	-1.3	² 15,629	14,988	15,244	+2.5
Middle Atlantic----- (20 cities)	3,135	3,108	3,168	-1.1	68,050	68,815	68,191	-0.2
East North Central----- (21 cities)	² 2,364	2,347	2,400	-1.5	² 53,142	51,054	51,118	+4.0
West North Central----- (9 cities)	807	781	759	+6.3	17,252	16,385	16,336	+5.6
South Atlantic----- (11 cities)	934	950	904	+3.3	21,703	19,976	19,644	+10.5
East South Central----- (8 cities)	422	497	479	-11.9	11,257	10,528	10,473	+7.5
West South Central----- (13 cities)	1,002	975	862	+16.2	21,862	19,346	18,834	+16.1
Mountain----- (8 cities)	310	356	275	+12.7	7,662	6,583	5,807	+31.9
Pacific----- (13 cities)	1,340	1,449	1,362	-1.6	30,980	29,044	29,083	+6.5

¹Data for current week divided by adjusted average data.

²Includes estimates for missing cities..*

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Table 4. DEATHS IN SELECTED CITIES

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

Area	20th week ended May 21, 1960	19th week ended May 14, 1960	Cumulative, first 20 weeks		Area	20th week ended May 21, 1960	19th week ended May 14, 1960	Cumulative, first 20 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	235	249	5,452	5,116	St. Louis, Mo.-----	257	252	5,393	5,077
Bridgeport, Conn.-----	49	28	904	833	St. Paul, Minn.-----	92	66	1,498	1,346
Cambridge, Mass.-----	29	18	667	590	Wichita, Kans.-----	35	57	956	964
Fall River, Mass.-----	25	30	625	607	SOUTH ATLANTIC:				
Hartford, Conn.-----	43	43	984	1,030	Atlanta, Ga.-----	103	132	2,502	2,322
Lowell, Mass.-----	20	22	508	473	Baltimore, Md.-----	239	243	5,533	5,010
Lynn, Mass.-----	16	28	543	490	Charlotte, N.C.-----	34	38	901	757
New Bedford, Mass.-----	12 ¹	25	2551	493	Jacksonville, Fla.-----	52	55	1,341	1,195
New Haven, Conn.-----	49	48	952	950	Miami, Fla.-----	67	63	1,585	1,475
Providence, R.I.-----	66	63	1,383	1,420	Norfolk, Va.-----	38	44	915	853
Somerville, Mass.-----	12	17	316	290	Richmond, Va.-----	69	58	1,733	1,586
Springfield, Mass.-----	47	40	1,007	943	Savannah, Ga.-----	41	28	802	667
Waterbury, Conn.-----	20	28	576	575	St. Petersburg, Fla.-----	(63)	(62)	(1,600)	(1,432)
Worcester, Mass.-----	56	56	1,161	1,178	Tampa, Fla.-----	74	79	1,439	1,310
MIDDLE ATLANTIC:					Washington, D.C.-----	183	174	4,128	4,010
Albany, N.Y.-----	41	49	924	1,186	Wilmington, Del.-----	34	36	824	791
Allentown, Pa.-----	34	40	755	763	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	128	139	3,079	3,033	Birmingham, Ala.-----	76	59	1,824	1,690
Camden, N.J.-----	45	41	921	854	Chattanooga, Tenn.-----	33	45	1,004	959
Elizabeth, N.J.-----	28	19	616	614	Knoxville, Tenn.-----	24	24	605	572
Erie, Pa.-----	37	39	809	777	Louisville, Ky.-----	81	106	2,393	2,295
Jersey City, N.J.-----	82	74	1,534	1,622	Memphis, Tenn.-----	93	108	2,462	2,322
Newark, N.J.-----	92	64	2,051	2,145	Mobile, Ala.-----	24	51	910	826
New York City, N.Y.-----	1,612	1,621	34,567	35,299	Montgomery, Ala.-----	39	46	759	664
Paterson, N.J.-----	42	32	829	814	Nashville, Tenn.-----	52	58	1,300	1,200
Philadelphia, Pa.-----	485	459	10,485	10,540	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	173	163	4,097	3,848	Austin, Tex.-----	36	39	769	619
Reading, Pa.-----	27	25	502	470	Baton Rouge, La.-----	27	20	633	589
Rochester, N.Y.-----	97	110	2,133	2,029	Corpus Christi, Tex.-----	19	20	529	415
Schenectady, N.Y.-----	23	23	503	492	Dallas, Tex.-----	132	135	2,690	2,388
Scranton, Pa.-----	37	34	800	846	El Paso, Tex.-----	35	30	801	738
Syracuse, N.Y.-----	58	67	1,319	1,305	Fort Worth, Tex.-----	84	63	1,446	1,292
Trenton, N.J.-----	39	55	881	922	Houston, Tex.-----	160	171	3,593	3,188
Utica, N.Y.-----	27	25	595	599	Little Rock, Ark.-----	60	61	1,295	1,142
Yonkers, N.Y.-----	28	29	650	657	New Orleans, La.-----	175	166	3,912	3,456
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	51	76	1,614	1,382
Akron, Ohio-----	46	63	1,175	1,230	San Antonio, Tex.-----	102	98	2,225	2,023
Canton, Ohio-----	29	29	760	693	Shreveport, La.-----	75	33	1,133	1,053
Chicago, Ill.-----	698	732	16,304	15,876	Tulsa, Okla.-----	46	63	1,222	1,061
Cincinnati, Ohio-----	149	124	3,397	3,309	MOUNTAIN:				
Cleveland, Ohio-----	230	187	4,568	4,317	Albuquerque, N. Mex.-----	26	26	634	646
Columbus, Ohio-----	101	125	2,568	2,320	Colorado Springs, Colo.-----	17	13	362	326
Dayton, Ohio-----	169	68	21,504	1,403	Denver, Colo.-----	81	118	2,501	2,396
Detroit, Mich.-----	337	304	7,325	6,831	Ogden, Utah-----	14	14	352	330
Evansville, Ind.-----	40	29	802	788	Phoenix, Ariz.-----	70	92	1,702	1,093
Flint, Mich.-----	40	36	837	838	Pueblo, Colo.-----	15	17	512	268
Fort Wayne, Ind.-----	43	32	775	754	Salt Lake City, Utah-----	47	43	1,017	1,012
Gary, Ind.-----	28	29	636	629	Tucson, Ariz.-----	40	33	782	512
Grand Rapids, Mich.-----	43	44	876	880	PACIFIC:				
Indianapolis, Ind.-----	138	171	3,124	3,004	Berkeley, Calif.-----	22	18	367	361
Madison, Wis.-----	44	33	679	590	Fresno, Calif.-----	(---)	(44)	(952)	(846)
Milwaukee, Wis.-----	85	126	2,631	2,692	Glendale, Calif.-----	(34)	(37)	(835)	(773)
Peoria, Ill.-----	25	24	620	630	Honolulu, Hawaii-----	29	40	867	755
Rockford, Ill.-----	35	23	603	590	Long Beach, Calif.-----	56	59	1,164	1,165
South Bend, Ind.-----	35	26	618	542	Los Angeles, Calif.-----	493	492	11,248	10,129
Toledo, Ohio-----	92	94	2,139	2,030	Oakland, Calif.-----	88	78	2,034	1,946
Youngstown, Ohio-----	57	48	1,201	1,108	Pasadena, Calif.-----	33	28	734	644
WEST NORTH CENTRAL:					Portland, Oreg.-----	72	145	2,295	2,401
Des Moines, Iowa-----	53	52	1,163	1,130	Sacramento, Calif.-----	52	46	1,229	1,098
Duluth, Minn.-----	25	34	545	542	San Diego, Calif.-----	81	91	1,959	1,697
Kansas City, Kans.-----	21	41	731	653	San Francisco, Calif.-----	208	205	4,227	4,084
Kansas City, Mo.-----	131	128	2,776	2,518	San Jose, Calif.-----	(33)	(41)	(676)	(537)
Lincoln, Nebr.-----	(24)	(30)	(529)	(537)	Seattle, Wash.-----	133	152	2,967	2,845
Minneapolis, Minn.-----	119	95	2,594	2,618	Spokane, Wash.-----	36	58	972	1,041
Omaha, Nebr.-----	74	56	1,596	1,537	Tacoma, Wash.-----	37	39	917	878

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.