

Morbidity and Mortality

Weekly Report

PUBLIC HEALTH SERVICE

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

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Worth 3-4744

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended December 31, 1960

NOTICE

The responsibility for the collection and publication of statistics on notifiable diseases in States and on deaths in large cities will be transferred from the National Office of Vital Statistics (NOVS) to the Communicable Disease Center effective January 1, 1961. All other vital statistics reports and records should continue to be sent to NOVS.

The *Morbidity and Mortality Weekly Report* will not be changed in format immediately nor will there be any changes in the mailing list. A letter has been sent to the individual States and cities regarding details of the transfer, transmission of reports, and an interim plan to provide the Communicable Disease Center with duplicate information during the 3 weeks preceding the transfer. Beginning with data for the week ending January 7, 1961, all weekly telegraphic and epidemiologic reports from the States and mortality reports from 123 cities—these reports only, and not others received by NOVS from these sources—should be sent to the:

Communicable Disease Center
Atlanta 22, Georgia

THIS IS THE
LAST ISSUE OF
THE MORBIDITY
AND MORTALITY
WEEKLY REPORT
TO BE PREPARED
AND DISTRIBUTED
BY THE NATIONAL
OFFICE OF VITAL
STATISTICS.

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	52d week			Cumulative						Approximate seasonal low point
	Ended Dec. 31, 1960 ¹	Ended Jan. 2, 1959	Median 1955-59	52 weeks			Since seasonal low week			
				1960 ¹	1959	Median 1955-59	1959-60 ²	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	25	-	-	23	12	20	(*)	(*)	(*)	(*)
Botulism-----049.1	32	-	-	12	21	11	(*)	(*)	(*)	(*)
Brucellosis (undulant fever)-----044	10	7	14	742	724	897	(*)	(*)	(*)	(*)
Diphtheria-----055	79	24	26	924	956	1,244	595	559	773	July 1
Encephalitis, infectious-----082	16	27	22	1,861	2,210	2,188	1,248	1,632	1,585	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	866	443	400	41,013	23,189	19,026	15,510	8,066	5,515	Sept. 1
Malaria-----110-117	-	-	1	74	70	148	(*)	(*)	(*)	(*)
Measles-----085	4,206	3,997	5,537	436,379	401,694	547,497	36,621	38,379	38,440	Sept. 1
Meningitis, aseptic-----340 pt.	24	-	-	2,992	-	-	-	-	-	-
Meningococcal infections-----057	45	39	51	2,195	2,231	2,634	660	664	863	Sept. 1
Poliomyelitis-----080	39	54	42	3,277	8,567	8,567	3,060	8,274	8,274	Apr. 1
Paralytic-----080.0,080.1	21	38	32	2,265	5,709	5,709	2,112	5,501	5,501	Apr. 1
Nonparalytic-----080.2	5	7	7	658	2,165	2,804	621	2,117	2,648	Apr. 1
Unspecified-----080.3	13	9	5	354	693	934	327	656	868	Apr. 1
Psittacosis-----086.2	-	1	2	102	122	260	(*)	(*)	(*)	(*)
Rabies in man-----094	-	-	-	2	5	5	(*)	(*)	(*)	(*)
Streptococcal sore throat, including scarlet fever-----050,051	5,921	-	-	308,070	-	-	-	-	-	-
Typhoid fever-----040	12	8	11	812	863	1,274	685	736	1,030	Apr. 1
Typhus fever, endemic-----101	1	-	1	64	47	103	59	41	87	Apr. 1
Rabies in animals-----	62	64	83	3,344	3,930	4,488	573	984	984	Oct. 1

¹Data exclude reports from Hawaii and Idaho for the current week.

²Reported in South Carolina.

³Reported in Kentucky.

⁴Data show no pronounced seasonal change in incidence.

Sixty of the 79 cases of diphtheria reported for the week ended December 31 occurred in Texas and 11 in Georgia. Most of the cases in Texas resulted from an outbreak in Hale County.

The 7 cases of poliomyelitis reported in Maryland represent delayed reports. No information was received about the 12 unspecified cases reported in Kentucky.

The cumulative total number of cases of various reportable diseases appears in table 1. Cumulative totals by State for some of these diseases appear in table 2. These figures are provisional, based on weekly reports from the State health departments. Final figures will become available during the summer of 1961.

During the calendar year 1960 more than 41,000 cases of infectious and serum hepatitis were reported in the United States. This is about 77 percent more cases than were reported in 1959, and this is the highest figure since 1954, when 50,093 cases were reported. Since records have been kept, beginning in 1950, the number of cases reached a peak in 1954, declined to 14,922 cases in 1957, and has been rising ever since. There is no certainty that 1960 was a peak year. The weekly number of cases reported at the end of the year were generally higher than those earlier in the year and for comparable weeks in 1959. In none of the geographic divisions was the 1960 figure less than that for 1959 although in the Mountain Division the figures were about the same. In the South Atlantic and East Central Divisions, the 1960 totals were more than double the 1959 totals. Despite the rise in the number of reported cases since 1957, the number of deaths has remained constant for the period 1957-59 at 897 deaths each year. No mortality data are available for 1960.

Unlike the increase in cases of hepatitis, the number of reported cases of poliomyelitis dropped sharply from the 1959 figures. The total number of cases is about 62 percent less, and the number of paralytic cases is about 60 percent less. The ratio of paralytic cases to total cases in 1960 was 69 percent, and in 1959 it was 67 percent. In past years final figures for paralytic cases have been higher than the cumulative provisional totals because the diagnosis of many unspecified cases is changed to paralytic in final reports. It may be expected that the final total of paralytic cases for 1960 will be close to the number for 1957—2,499 cases—the lowest year since records on paralytic cases have been kept, beginning in 1952. In 1957 the total number of cases was 5,485. The total for 1960, less than 3,300, is the lowest figure since 1938, when 1,705 cases were reported.

Few outbreaks of poliomyelitis were reported during 1960. The more extensive outbreaks occurred in Rhode Island; Baltimore, Maryland; South Carolina; and Kentucky. Most of the cases in Kentucky were not classified as to paralytic status and are included in the unspecified totals. In 3 States no cases were reported. These are Delaware, Nevada, and New Hampshire. A large number of cases, almost all paralytic, were reported in Puerto Rico. These occurred across the whole island.

National figures were kept on aseptic meningitis for the first time in 1960, so no comparison can be made with prior years. The number of cases reported by State varied from none in several States to more than 700 cases in California. In many States this disease category first became reportable at the beginning of 1960.

The number of cases of infectious encephalitis reported during 1960 decreased somewhat from the 1959 total of 2,210 cases. Few cases of arthropod-borne encephalitis were reported and no outbreaks occurred. More than a fourth of the cases of encephalitis were reported in California.

The number of cases of diphtheria in 1960 remained about the same as the 1959 total. States in the South Atlantic and South Central geographic divisions accounted for 80 percent of the total. The larger outbreaks were reported in Kentucky and Texas, both in communities where the immunization level was low. The outbreak in Texas occurred near the end of the year.

Sixteen of the 23 cases of anthrax reported during 1960 occurred in South Carolina and were related to the processing of imported goat hair. These were the first cases in that State. The other 7 cases occurred in 6 States.

The 12 cases of botulism occurred in 4 States—Alaska, Kentucky, Michigan, and Minnesota. Suspect foods included smoked fish, frozen chicken pie, home-canned green beans, home-canned beets, and a home-processed food prepared from salmon eggs.

Only 2 cases of human rabies were reported during 1960. These occurred in Ohio—a girl bitten by a cat in Central America—and in Georgia—a boy bitten by 1 or the other of 2 dogs. The girl received no treatment, but the boy was given antirabies serum and 7 doses of vaccine. The vaccine treatment was discontinued because the dog indentified as the biting animal remained without symptoms for about 2 weeks while under observation. The number of cases of rabies in animals declined somewhat from the 1959 figure. Early in the year, the figure was somewhat higher than the 1959 figure, but during the latter part of the year, the weekly figure often was less than half that for the comparable week of 1959.

Prior to 1960, weekly figures on streptococcal sore throat, including scarlet fever, were not kept for several years. However, data have been tabulated annually for those years. The number of cases reported in 1960, about 308,000, is less than the 334,715 cases reported in 1959 but considerably more than the 264,097 cases for 1958 and more than the smaller totals for earlier years.

Cases of brucellosis, malaria, and meningococcal infections were reported in about the same numbers in both 1959 and 1960. Forty-two percent of the brucellosis cases were reported in Iowa. In 1960 the number of cases of measles was slightly higher than the 1959 total. The numbers of cases of typhoid fever and psittacosis were less. One-half of the cases of psittacosis were reported in Pennsylvania and Wisconsin, each with about the same number of cases. Most of the cases of endemic typhus fever reported during 1960 occurred in Texas.

EPIDEMIOLOGICAL REPORTS

Typhoid fever

The Oregon Communicable Disease Summary for the week ended December 10 summarizes the results of an investigation of a waterborne outbreak of typhoid fever in a community in northeast Oregon. There were 6 known cases, but there were no deaths. Investigation revealed that a sewer pipe leaked at a point within 180 feet of a well which supplies part of the community. The well casing also leaked and the water became contaminated with organisms from a typhoid carrier. The organism isolated from the cases and from the carrier was of the same bacteriophage type. It did not appear that the carrier violated any sanitation restrictions.

Salmonellosis

Dr. Marguerite Dunham, Maine District Health Officer, reported an outbreak of salmonellosis following a noon meal served on a military installation. Out of 864 persons eating the meal, 153 became ill after a median incubation period of 40 hours. Salmonella typhimurium was isolated from stool

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 2, 1960, AND DECEMBER 31, 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
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	52d week		Cumulative, 52 weeks		52d week		Cumulative, 52 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES ² -----	39	54	3,277	8,567	21	38	2,265	5,709	5	7	24	10
NEW ENGLAND-----	1	3	236	399	-	3	186	308	-	-	-	-
Maine-----	-	-	52	90	-	-	51	90	-	-	-	-
New Hampshire-----	-	-	-	5	-	-	-	4	-	-	-	-
Vermont-----	-	-	11	11	-	-	6	9	-	-	-	-
Massachusetts-----	1	1	35	159	-	1	23	112	-	-	-	-
Rhode Island-----	-	-	103	10	-	-	78	7	-	-	-	-
Connecticut-----	-	2	35	124	-	2	28	86	-	-	-	-
MIDDLE ATLANTIC-----	7	8	507	847	4	6	355	566	3	-	5	1
New York-----	3	3	280	526	3	1	179	325	-	-	3	1
New Jersey-----	-	1	85	139	-	1	61	93	-	-	2	-
Pennsylvania-----	4	4	142	182	1	4	115	148	3	-	-	-
EAST NORTH CENTRAL-----	4	13	565	1,304	4	5	354	597	-	1	6	2
Ohio-----	-	7	129	288	-	2	67	127	-	-	1	-
Indiana-----	1	1	146	153	1	1	112	109	-	-	-	-
Illinois-----	3	2	154	343	3	-	106	183	-	1	3	2
Michigan-----	-	3	95	460	-	2	56	144	-	-	2	-
Wisconsin-----	-	-	41	60	-	-	13	34	-	-	-	-
WEST NORTH CENTRAL-----	1	2	179	1,553	1	1	105	859	-	1	3	3
Minnesota-----	-	1	55	248	-	1	45	202	-	-	2	-
Iowa-----	-	-	23	438	-	-	4	233	-	-	1	1
Missouri-----	1	1	45	511	1	-	33	277	-	1	-	-
North Dakota-----	-	-	16	16	-	-	7	9	-	-	-	-
South Dakota-----	-	-	5	14	-	-	1	1	-	-	-	-
Nebraska-----	-	-	16	136	-	-	9	69	-	-	-	-
Kansas-----	-	-	19	190	-	-	6	68	-	-	-	-
SOUTH ATLANTIC-----	10	8	609	1,303	10	6	475	1,035	-	2	-	-
Delaware-----	-	-	-	9	-	-	-	7	-	-	-	-
Maryland-----	7	-	160	44	7	-	145	41	-	-	-	-
District of Columbia-----	-	1	5	7	-	1	5	6	-	-	-	-
Virginia-----	3	-	58	287	3	-	53	247	-	-	-	-
West Virginia-----	-	-	62	195	-	-	51	163	-	-	-	-
North Carolina-----	-	1	96	292	-	-	62	249	-	1	-	-
South Carolina-----	-	-	132	90	-	-	89	49	-	-	-	-
Georgia-----	-	5	26	180	-	4	24	140	-	1	-	-
Florida-----	-	1	70	199	-	1	46	133	-	-	-	-
EAST SOUTH CENTRAL-----	14	-	275	881	1	-	112	671	1	-	6	-
Kentucky-----	12	-	150	113	-	-	5	87	-	-	-	-
Tennessee-----	2	-	57	389	1	-	39	294	1	-	3	-
Alabama-----	-	-	23	251	-	-	23	212	-	-	-	-
Mississippi-----	-	-	45	128	-	-	45	78	-	-	3	-
WEST SOUTH CENTRAL-----	-	2	294	1,139	-	2	189	750	-	-	2	-
Arkansas-----	-	1	36	305	-	1	26	231	-	-	-	-
Louisiana-----	-	1	52	144	-	1	32	105	-	-	-	-
Oklahoma-----	-	-	17	160	-	-	12	92	-	-	1	-
Texas-----	-	-	189	530	-	-	119	322	-	-	1	-
MOUNTAIN ² -----	1	3	102	206	1	3	52	117	-	-	1	-
Montana-----	-	1	24	15	-	1	17	7	-	-	-	-
Idaho-----	-	-	² 11	8	-	-	-	-	-	-	-	-
Wyoming-----	-	-	22	2	-	-	1	1	-	-	-	-
Colorado-----	-	-	21	26	-	-	19	18	-	-	1	-
New Mexico-----	-	-	7	44	-	-	4	27	-	-	-	-
Arizona-----	-	2	9	92	-	2	7	56	-	-	-	-
Utah-----	1	-	8	12	1	-	3	4	-	-	-	-
Nevada-----	-	-	-	7	-	-	-	4	-	-	-	-
PACIFIC ² -----	1	15	510	935	-	12	437	806	1	3	1	4
Washington-----	-	3	40	218	-	3	40	218	-	-	1	-
Oregon-----	1	5	37	192	-	2	19	149	1	3	-	-
California-----	-	7	423	496	-	7	368	424	-	-	-	4
Alaska-----	-	-	2	29	-	-	2	15	-	-	-	-
Hawaii-----	-	-	² 8	(5)	-	-	² 8	(5)	-	-	-	-
Puerto Rico-----	-	1	498	9	-	1	492	8	-	-	-	-

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

²Data exclude reports from Idaho and Hawaii for the current week.

4 **Morbidity and Mortality Weekly Report**

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 2, 1960, AND DECEMBER 31, 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	
	52d week		Cumulative, 52 weeks		082		52d week		Cumulative, 52 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES ² -----	79	24	924	956	16	27	866	443	41,013	23,189	4,206	3,997
NEW ENGLAND-----	-	-	13	5	-	2	38	26	1,182	791	381	301
Maine-----	-	-	3	-	-	-	4	-	86	91	7	88
New Hampshire-----	-	-	-	-	-	-	-	-	34	15	14	2
Vermont-----	-	-	-	-	-	-	-	-	29	27	10	2
Massachusetts-----	-	-	9	5	-	1	19	19	559	421	310	184
Rhode Island-----	-	-	1	-	-	1	7	2	218	79	26	-
Connecticut-----	-	-	-	-	-	-	8	5	256	158	14	25
MIDDLE ATLANTIC-----	-	1	17	52	7	9	139	62	5,096	3,403	1,280	393
New York-----	-	1	5	26	7	7	68	41	2,704	2,049	786	348
New Jersey-----	-	-	2	10	-	1	23	2	409	327	221	30
Pennsylvania-----	-	-	10	16	-	1	48	19	1,983	1,027	273	15
EAST NORTH CENTRAL-----	-	1	42	33	2	3	164	56	7,520	3,564	913	1,201
Ohio-----	-	1	16	12	-	1	52	13	2,611	1,043	479	79
Indiana-----	-	-	8	5	-	2	24	6	898	340	46	52
Illinois-----	-	-	6	10	2	-	42	20	1,656	808	78	628
Michigan-----	-	-	10	4	-	-	44	12	2,115	1,126	178	110
Wisconsin-----	-	-	2	2	-	-	2	5	240	247	132	332
WEST NORTH CENTRAL-----	2	2	68	80	2	-	65	51	2,862	1,851	210	123
Minnesota-----	1	-	39	25	-	-	12	17	543	434	2	12
Iowa-----	-	-	9	3	-	-	16	-	460	164	32	23
Missouri-----	-	-	2	10	-	-	28	3	956	435	54	3
North Dakota-----	1	-	4	2	2	-	3	14	185	467	121	51
South Dakota-----	-	-	10	4	-	-	3	6	158	82	1	30
Nebraska-----	-	2	2	28	-	-	-	9	278	97	-	4
Kansas-----	-	-	2	8	-	-	3	2	282	172	(*)	(*)
SOUTH ATLANTIC-----	13	1	249	292	1	6	110	40	4,673	2,068	484	154
Delaware-----	-	-	-	-	-	-	5	1	271	137	38	2
Maryland-----	-	-	1	8	-	1	11	2	476	403	13	22
District of Columbia-----	-	-	-	-	-	2	4	2	68	23	4	15
Virginia-----	1	-	42	15	-	-	15	9	805	509	226	69
West Virginia-----	-	1	4	4	-	-	35	6	907	321	83	25
North Carolina-----	-	-	20	25	-	3	26	1	492	126	29	2
South Carolina-----	-	-	50	31	-	-	5	1	195	56	39	-
Georgia-----	11	-	56	121	-	-	4	6	304	149	-	-
Florida-----	1	-	76	88	1	-	5	12	1,155	544	52	19
EAST SOUTH CENTRAL-----	3	1	141	124	1	1	136	60	5,957	2,435	387	368
Kentucky-----	1	-	56	9	-	1	18	28	2,044	1,266	204	99
Tennessee-----	-	-	9	10	-	-	68	12	2,093	522	141	200
Alabama-----	-	1	39	60	-	-	37	20	1,264	496	34	64
Mississippi-----	2	-	37	45	1	-	13	-	556	151	8	5
WEST SOUTH CENTRAL-----	60	16	355	330	-	-	48	37	3,058	1,817	107	903
Arkansas-----	-	-	16	42	-	-	6	2	267	83	2	2
Louisiana-----	-	3	80	99	-	-	7	3	198	121	-	2
Oklahoma-----	-	12	25	33	-	-	8	9	340	286	-	10
Texas-----	60	1	234	156	-	-	27	23	2,253	1,327	105	889
MOUNTAIN ² -----	-	2	36	23	-	1	51	56	3,198	3,028	206	240
Montana-----	-	2	3	2	-	-	4	1	200	275	42	31
Idaho-----	-	-	211	1	-	-	-	2	329	373	-	43
Wyoming-----	-	-	5	-	-	-	1	1	40	61	15	3
Colorado-----	-	-	3	8	-	-	15	9	1,183	877	55	13
New Mexico-----	-	-	4	8	-	-	8	16	349	566	-	-
Arizona-----	-	-	3	2	-	1	6	2	655	594	45	45
Utah-----	-	-	7	-	-	-	17	24	316	254	35	95
Nevada-----	-	-	-	2	-	-	-	1	126	28	14	10
PACIFIC ² -----	1	-	3	17	3	5	115	55	7,467	4,232	238	314
Washington-----	-	-	-	-	1	-	4	8	1,005	563	41	80
Oregon-----	-	-	-	6	-	-	14	17	1,139	913	64	117
California-----	-	-	1	6	2	5	93	27	4,981	2,673	132	112
Alaska-----	1	-	2	5	-	-	4	3	256	83	1	5
Hawaii-----	-	-	-	(2)	-	-	-	-	286	(51)	-	(545)
Puerto Rico-----	4	9	143	54	-	-	13	27	791	401	15	8

²Data exclude reports from Idaho and Hawaii for the current week.

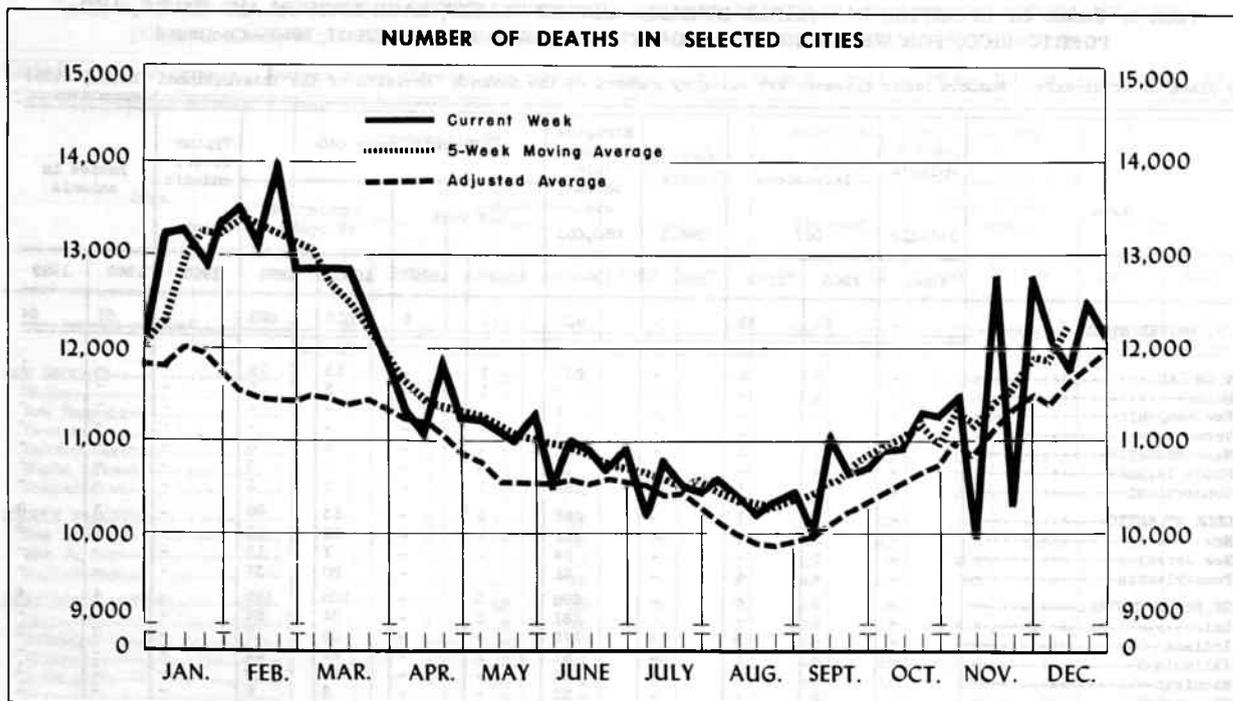
Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 2, 1960, AND DECEMBER 31, 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		Pa-tta-cosis	Strepto-coccal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117		057		096.2	050,051	52d week		Cumulative, 52 weeks		101	1960	1959
	1960	1959	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES ² -----	-	45	39	-	-	5,921	12	8	812	863	1	62	84
NEW ENGLAND-----	-	2	4	-	-	297	2	-	13	16	-	-	1
Maine-----	-	-	-	-	-	2	1	-	3	2	-	-	1
New Hampshire-----	-	-	-	-	-	9	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	4	-	-	-	-	-	-	-
Massachusetts-----	1	1	-	-	-	115	-	-	5	6	-	-	-
Rhode Island-----	-	-	-	-	-	15	-	-	-	3	-	-	-
Connecticut-----	1	3	-	-	-	152	1	-	5	5	-	-	-
MIDDLE ATLANTIC-----	-	8	7	-	-	266	1	-	63	88	-	3	9
New York-----	-	3	3	-	-	151	1	-	36	38	-	3	9
New Jersey-----	-	5	-	-	-	54	-	-	7	13	-	-	-
Pennsylvania-----	-	-	4	-	-	61	-	-	20	37	-	-	-
EAST NORTH CENTRAL-----	-	9	4	-	-	698	3	-	105	105	-	4	4
Ohio-----	-	2	-	-	-	181	2	-	34	52	-	1	-
Indiana-----	-	-	3	-	-	170	-	-	25	17	-	2	2
Illinois-----	-	2	1	-	-	61	1	-	22	21	-	-	-
Michigan-----	-	4	-	-	-	234	-	-	16	9	-	1	1
Wisconsin-----	-	1	-	-	-	52	-	-	8	6	-	-	1
WEST NORTH CENTRAL-----	-	1	4	-	-	190	1	3	49	56	-	11	9
Minnesota-----	-	-	2	-	-	12	-	-	1	4	-	2	1
Iowa-----	-	-	-	-	-	48	-	-	11	9	-	2	3
Missouri-----	-	1	1	-	-	10	-	1	26	20	-	5	3
North Dakota-----	-	-	1	-	-	109	-	-	1	5	-	-	2
South Dakota-----	-	-	-	-	-	-	-	-	4	3	-	-	-
Nebraska-----	-	-	-	-	-	-	1	-	4	5	-	2	-
Kansas-----	-	-	-	-	-	11	-	2	2	10	-	-	-
SOUTH ATLANTIC-----	-	8	8	-	-	453	2	1	125	145	-	15	6
Delaware-----	-	-	-	-	-	1	-	-	1	3	-	-	-
Maryland-----	-	-	-	-	-	13	-	-	6	5	-	-	-
District of Columbia-----	-	-	-	-	-	3	-	-	10	4	-	-	-
Virginia-----	1	2	-	-	-	95	-	-	24	30	-	3	1
West Virginia-----	-	1	1	-	-	186	-	-	14	15	-	2	1
North Carolina-----	-	4	1	-	-	26	-	-	9	15	-	9	-
South Carolina-----	-	1	1	-	-	12	-	1	18	14	-	1	1
Georgia-----	-	-	-	-	-	-	2	-	29	31	-	-	2
Florida-----	-	2	3	-	-	117	-	-	14	28	-	-	1
EAST SOUTH CENTRAL-----	-	6	5	-	-	1,060	-	-	124	128	-	11	8
Kentucky-----	-	-	2	-	-	123	-	-	33	30	-	3	5
Tennessee-----	-	1	2	-	-	888	-	-	58	60	-	5	1
Alabama-----	-	5	1	-	-	12	-	-	25	21	-	3	2
Mississippi-----	-	-	-	-	-	37	-	-	8	17	-	-	-
WEST SOUTH CENTRAL-----	-	4	2	-	-	755	1	2	208	188	1	15	42
Arkansas-----	-	1	-	-	-	-	-	-	52	38	-	2	26
Louisiana-----	-	-	1	-	-	4	-	2	59	33	-	-	3
Oklahoma-----	-	-	-	-	-	20	-	-	12	17	-	-	-
Texas-----	-	3	1	-	-	731	1	-	85	100	1	13	13
MOUNTAIN ² -----	-	1	1	-	-	1,346	1	1	48	47	-	-	-
Montana-----	-	-	-	-	-	39	-	-	13	2	-	-	-
Idaho-----	-	-	-	-	-	-	-	1	23	8	-	-	-
Wyoming-----	-	-	-	-	-	41	-	-	4	7	-	-	-
Colorado-----	-	1	-	-	-	460	-	-	1	4	-	-	-
New Mexico-----	-	-	-	-	-	410	-	-	15	19	-	-	-
Arizona-----	-	-	-	-	-	175	1	-	10	6	-	-	-
Utah-----	-	-	1	-	-	179	-	-	2	1	-	-	-
Nevada-----	-	-	-	-	-	42	-	-	-	-	-	-	-
PACIFIC ² -----	-	6	4	-	-	856	1	1	77	90	-	3	5
Washington-----	-	1	-	-	-	139	-	-	5	3	-	-	-
Oregon-----	-	1	-	-	-	47	-	-	8	8	-	-	-
California-----	-	4	4	-	-	657	1	1	63	75	-	3	5
Alaska-----	-	-	-	-	-	13	-	-	1	4	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	2	(2)	-	-	-
Puerto Rico-----	-	-	-	-	-	2	-	-	30	18	-	-	-

²Data exclude reports from Idaho and Hawaii for the current week.



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. The adjusted average is computed as follows: From the total deaths reported each week for the years 1955-59, 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	52d week ended Dec. 31, 1960	51st week ended Dec. 24, 1960	Adjusted average, 52d week 1955-59	Percent change, adjusted average to current week ¹	Cumulative, 52 weeks		
					1960	1959	Percent change
TOTAL, 117 REPORTING CITIES-----	² 12,092	12,546	11,945	+1.2	² 599,395	583,194	+2.8
New England----- (14 cities)	842	792	802	+5.0	37,827	36,618	+3.3
Middle Atlantic----- (20 cities)	² 3,417	3,792	3,490	-2.1	² 167,042	166,244	+0.5
East North Central----- (21 cities)	² 2,685	2,628	2,706	-0.8	² 129,697	126,971	+2.1
West North Central----- (9 cities)	829	851	858	-3.4	41,549	40,350	+3.0
South Atlantic----- (11 cities)	1,033	1,063	1,063	-2.8	51,295	49,892	+2.8
East South Central----- (8 cities)	² 451	529	544	-17.1	² 27,010	26,360	+2.5
West South Central----- (13 cities)	1,021	1,100	1,035	-1.4	52,057	48,873	+6.5
Mountain----- (6 cities)	² 337	405	312	+8.0	² 18,816	16,160	+16.4
Pacific----- (13 cities)	1,477	1,386	1,527	-3.3	74,112	71,726	+3.3

¹Adjusted average used as base.

²Includes estimates for missing cities.

Morbidity and Mortality Weekly Report

7

Table 4. DEATHS IN SELECTED CITIES

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

Area	52d week ended Dec. 31, 1960	51st week ended Dec. 24, 1960	Cumulative, 52 weeks		Area	52d week ended Dec. 31, 1960	51st week ended Dec. 24, 1960	Cumulative, 52 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	303	277	13,117	12,522	St. Louis, Mo.-----	256	260	12,672	12,255
Bridgeport, Conn.-----	35	56	2,124	1,999	St. Paul, Minn.-----	63	70	3,581	3,403
Cambridge, Mass.-----	29	30	1,579	1,485	Wichita, Kans.-----	69	37	2,439	2,443
Fall River, Mass.-----	30	24	1,478	1,443	SOUTH ATLANTIC:				
Hartford, Conn.-----	45	56	2,598	2,541	Atlanta, Ga.-----	122	117	6,107	5,819
Lowell, Mass.-----	29	27	1,238	1,240	Baltimore, Md.-----	258	276	13,091	12,539
Lynn, Mass.-----	28	22	1,272	1,206	Charlotte, N.C.-----	33	35	1,986	1,914
New Bedford, Mass.-----	35	34	1,336	1,269	Jacksonville, Fla.-----	60	49	3,061	2,998
New Haven, Conn.-----	45	39	2,323	2,321	Miami, Fla.-----	86	80	3,722	3,609
Providence, R.I.-----	71	68	3,368	3,340	Norfolk, Va.-----	45	47	2,075	2,017
Somerville, Mass.-----	19	18	703	674	Richmond, Va.-----	98	78	4,045	4,058
Springfield, Mass.-----	52	48	2,348	2,307	Savannah, Ga.-----	35	41	1,744	1,699
Waterbury, Conn.-----	30	36	1,457	1,435	St. Petersburg, Fla.-----	(63)	(79)	(3,680)	(3,406)
Worcester, Mass.-----	91	57	2,886	2,836	Tampa, Fla.-----	86	61	3,401	3,225
MIDDLE ATLANTIC:					Washington, D.C.-----	187	224	10,045	10,095
Albany, N.Y.-----	51	51	2,255	2,571	Washington, Del.-----	33	55	2,018	1,919
Allentown, Pa.-----	39	49	1,836	1,772	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	170	148	7,530	7,546	Birmingham, Ala.-----	67	85	4,418	4,284
Camden, N.J.-----	51	33	2,196	2,134	Chattanooga, Tenn.-----	35	55	2,347	2,367
Elizabeth, N.J.-----	36	38	1,528	1,543	Knoxville, Tenn.-----	23	28	1,452	1,446
Erie, Pa.-----	45	50	2,037	1,885	Louisville, Ky.-----	76	132	5,867	5,777
Jersey City, N.J.-----	76	94	3,671	3,752	Memphis, Tenn.-----	185	94	25,763	5,824
Newark, N.J.-----	102	137	5,065	5,148	Mobile, Ala.-----	45	62	2,178	2,016
New York City, N.Y.-----	1,897	2,101	85,706	85,278	Montgomery, Ala.-----	55	25	1,792	1,667
Paterson, N.J.-----	39	54	2,045	1,967	Nashville, Tenn.-----	65	48	3,093	2,979
Philadelphia, Pa.-----	312	448	24,949	25,180	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	189	184	10,021	9,575	Austin, Tex.-----	35	41	1,751	1,669
Reading, Pa.-----	28	28	1,235	1,141	Baton Rouge, La.-----	44	28	1,506	1,422
Rochester, N.Y.-----	117	108	5,269	5,026	Corpus Christi, Tex.-----	17	16	1,186	1,059
Schenectady, N.Y.-----	43	18	1,234	1,276	Dallas, Tex.-----	138	137	6,499	6,186
Scranton, Pa.-----	139	54	2,027	1,903	El Paso, Tex.-----	40	50	1,976	1,858
Syracuse, N.Y.-----	81	66	3,272	3,266	Fort Worth, Tex.-----	60	77	3,463	3,292
Trenton, N.J.-----	53	55	2,130	2,227	Houston, Tex.-----	180	182	8,658	8,102
Utica, N.Y.-----	23	31	1,405	1,450	Little Rock, Ark.-----	40	59	2,966	2,720
Yonkers, N.Y.-----	26	45	1,631	1,604	New Orleans, La.-----	193	194	9,313	8,849
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	85	76	3,920	3,654
Akron, Ohio-----	70	69	2,972	3,022	San Antonio, Tex.-----	105	116	5,222	4,934
Canton, Ohio-----	40	30	1,810	1,732	Shreveport, La.-----	51	68	2,790	2,566
Chicago, Ill.-----	854	756	39,916	39,211	Tulsa, Okla.-----	33	56	2,807	2,562
Cincinnati, Ohio-----	153	176	8,182	8,113	MOUNTAIN:				
Cleveland, Ohio-----	235	218	10,978	10,816	Albuquerque, N. Mex.-----	33	27	1,659	1,539
Columbus, Ohio-----	124	135	6,184	6,157	Colorado Springs, Colo.-----	23	12	867	802
Dayton, Ohio-----	88	96	4,009	3,554	Denver, Colo.-----	88	142	6,209	5,921
Detroit, Mich.-----	330	350	17,404	17,093	Ogden, Utah-----	14	13	845	769
Evansville, Ind.-----	46	36	1,941	1,942	Phoenix, Ariz.-----	68	96	3,981	2,676
Flint, Mich.-----	43	52	2,108	2,060	Pueblo, Colo.-----	16	14	837	714
Fort Wayne, Ind.-----	40	49	1,913	1,928	Salt Lake City, Utah-----	44	50	2,526	2,521
Gary, Ind.-----	131	23	2,595	1,517	Tucson, Ariz.-----	51	51	1,892	1,218
Grand Rapids, Mich.-----	145	39	2,143	2,174	PACIFIC:				
Indianapolis, Ind.-----	160	134	7,557	7,148	Berkeley, Calif.-----	17	19	889	894
Madison, Wis.-----	125	43	2,702	1,608	Fresno, Calif.-----	(45)	(35)	(2,317)	(2,077)
Milwaukee, Wis.-----	128	142	6,544	6,639	Glendale, Calif.-----	(28)	(32)	(1,904)	(1,863)
Peoria, Ill.-----	35	47	1,597	1,522	Honolulu, Hawaii-----	48	42	2,153	1,998
Rockford, Ill.-----	36	37	1,510	1,406	Long Beach, Calif.-----	52	67	2,872	2,837
South Bend, Ind.-----	35	27	1,534	1,448	Los Angeles, Calif.-----	557	438	25,953	24,977
Toledo, Ohio-----	104	109	5,197	5,104	Oakland, Calif.-----	105	101	5,012	4,748
Youngstown, Ohio-----	63	60	2,891	2,777	Pasadena, Calif.-----	38	34	1,798	1,633
WEST NORTH CENTRAL:					Portland, Oreg.-----	88	100	5,681	5,614
Des Moines, Iowa-----	50	68	2,865	2,755	Sacramento, Calif.-----	65	72	3,071	2,918
Duluth, Minn.-----	24	24	1,317	1,332	San Diego, Calif.-----	68	97	4,707	4,256
Kansas City, Kans.-----	51	45	1,869	1,875	San Francisco, Calif.-----	185	186	10,257	10,106
Kansas City, Mo.-----	120	151	6,542	6,234	San Jose, Calif.-----	(38)	(37)	(1,817)	(1,342)
Lincoln, Nebr.-----	(9)	(38)	(1,330)	(1,362)	Seattle, Wash.-----	149	140	7,103	7,104
Minneapolis, Minn.-----	119	125	6,462	6,375	Spokane, Wash.-----	46	55	2,482	2,563
Omaha, Nebr.-----	77	71	3,802	3,678	Tacoma, Wash.-----	59	35	2,134	2,078

¹Estimated.

²Includes estimate for current week.

EPIDEMIOLOGICAL REPORTS—Continued

specimens from cases and positive stool specimens were obtained from 31 foodhandlers also. The suspect food item was roast turkey, which had been eaten in common. One individual who was not present at the meal ate sandwiches prepared from the turkey and also became ill. No turkey was available for examination, but samples of other foods served during a several-day period and swabs from utensils were negative for pathogenic organisms. A foodhandler, who became ill early in the morning of the day the suspect meal was served, continued to work that day preparing salads. Stool specimens from this individual were positive. The knife used by the ill salad maker was used also by the cooks who cut up the turkey without properly sanitizing the knife between each use. The salads were not suspected because many of the ill persons had not eaten salads.

QUARANTINE MEASURES

Immunization Information for International Travel
No changes reported

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.

POSTAGE AND FEES PAID
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