

Morbidity and Mortality

Weekly
Report

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

The number of cases of poliomyelitis reported during 1959 (8,577) was considerably in excess of the totals for both 1958 (6,029) and 1957 (5,894). This is especially true of paralytic cases (5,694, 3,122, 2,158, respectively.) Sixty-six percent of all cases in 1959 were classified as paralytic, compared with 52 percent in 1958 and 37 percent in 1957. Early in 1959, the number of paralytic cases reported each week began to exceed the figures for the comparable weeks in 1958. During the summer months the 1959 figures were often more than double the 1958 figures. During the latter part of the year the weekly figures dropped closer to the comparable figures for 1958; nevertheless, they usually continued to be larger. The week in which the most paralytic cases were reported was the week ended September 19 with 332 cases. The first localized outbreak occurred in a rural area in Missouri in January and the second in Des Moines, Iowa, early in June. This was followed by an outbreak in Kansas City, Missouri, and then a general

increase occurred in many communities across the Nation—most commonly in areas where the immunization level was low. Two States, Idaho and South Dakota, reported no paralytic cases during 1959. Eight States reported fewer paralytic cases in 1959 than in 1958. Several of these States had had a high incidence in 1958.

During the 1959 calendar year, 4 cases of plague were reported in 3 States. Two of the cases occurred in California—a boy camping in Yosemite National Park and a veterinarian living in Tuolumne County. A fatal case occurred in a young girl in Bernalillo County, New Mexico, and a laboratory-acquired case of pneumonic plague was reported in Frederick County, Maryland. These are the first cases of plague to be reported in the United States since 1956, when a case was reported in Ventura County, California.

Five cases of human rabies were reported, 1 less than in

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: Continental United States

(See page 8 for source and nature of data)

DISEASE (Seventh Revision of International Lists, 1955)	52d Week			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Jan. 2, 1960 ¹	Ended Jan. 3, 1959	Median 1954-58	52 weeks			Since seasonal low week			
				1959 ¹	1958	Median 1954-58	1958-59 ¹	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	-	-	-	12	16	20	(²)	(²)	(²)	(²)
Botulism-----049.1	-	-	-	22	4	11	(²)	(²)	(²)	(²)
Brucellosis (undulant fever)-----044	7	14	14	721	795	1,095	(²)	(²)	(²)	(²)
Diphtheria-----055	24	41	41	956	935	1,555	568	613	798	July 1
Encephalitis, infectious-----082	27	31	19	2,205	2,335	1,908	1,624	1,741	1,352	June 1
Hepatitis, infectious, and serum-----092, M998.5 pt.	441	373	400	23,187	15,498	19,026	8,409	5,417	5,515	Sept. 1
Malaria-----110-117	-	4	2	70	78	233	(²)	(²)	(²)	(²)
Measles-----085	3,954	5,991	5,991	401,651	756,133	602,709	39,366	51,389	43,859	Sept. 1
Meningococcal infections-----057	39	51	52	2,219	2,583	2,651	655	863	967	Sept. 1
Meningitis, other-----340	³ 157	26	-	5,718	4,404	-	-	-	-	-
Poliomyelitis-----080	46	42	42	8,577	6,029	15,356	8,309	5,842	14,377	Apr. 1
Paralytic-----080.0, 080.1	33	32	32	5,694	3,122	6,673	5,507	3,019	6,142	Apr. 1
Nonparalytic-----080.2	4	7	9	2,182	2,014	5,877	2,137	1,955	5,615	Apr. 1
Unspecified-----080.3	9	3	5	701	893	2,806	665	868	2,620	Apr. 1
Pittacosis-----096.2	1	2	2	123	144	278	(²)	(²)	(²)	(²)
Rabies in man-----094	-	-	-	5	6	6	(²)	(²)	(²)	(²)
Typhoid fever-----040	7	9	13	862	1,065	1,726	738	899	1,436	Apr. 1
Typhus fever, endemic-----101	-	2	1	47	75	114	41	64	90	Apr. 1
Rabies in animals-----	84	71	83	3,923	4,488	4,702	1,064	901	1,050	Oct. 1

¹Data exclude report from Idaho for the current week.

²Includes 92 cases of aseptic meningitis; see footnotes to table 2.

³Data show no pronounced seasonal change in incidence.

1958. The cases reported this year were: in Alabama, a woman bitten by a dog; in Indiana, a boy with the source of infection undetermined; in Wisconsin, a man bitten by a bat; in Georgia, a boy bitten by a dog; and in Missouri, a man with the source of infection unknown. Only 1 of these victims received antirabies treatment.

Thirteen of the 22 cases of botulism reported during the year resulted from 2 outbreaks of 7 and 6 cases in Idaho and Alaska, respectively. All of the cases were related to home-processed foods. Twenty-two cases is about an average of the number of cases reported during the last 10 years although only 6 cases (final figure) were reported in 1958.

The 12 cases of anthrax shown in table 1, occurred in 6 States. This is the smallest number of cases reported since records have been kept on a national basis. Seven of the 12 cases occurred in Massachusetts, New Jersey, and Pennsylvania and 5 cases in Arkansas, Kansas, and Texas.

Close to 80 percent of the total number of cases of diphtheria reported during 1959 occurred in the South Atlantic and South Central Geographic Divisions. In these regions there were several States with more than 90 cases, considerably in excess of the figures for these States in 1958. Several States in other parts of the Nation also had figures in excess of those for 1958, but the figures were relatively small. Only Massachusetts reported cases in the New England Division. The total for the Nation is slightly higher than 1958. Few reports of localized outbreaks were received. Early in December there was an outbreak in a small community in Kansas. In Georgia there were many cases in 2 counties, but there was no particular concentration in any local area.

One outbreak of arthropod-borne encephalitis was reported during 1959. This occurred in New Jersey, where 29 confirmed cases of eastern equine encephalitis were reported. There were 20 deaths, giving a case-fatality rate of almost 70 percent. Sporadic cases of the disease were confirmed in Maryland and Florida. Eastern encephalitis virus was isolated also from horses, pheasants, and ducks in several States along the Atlantic coast. A number of cases of St. Louis encephalitis were reported in California; almost all were located within the endemic area, most cases being in the northern part of the Central Valley. Only 1 laboratory-proven case of western equine encephalitis had been reported in California by October 28.

About 50 percent more cases of infectious hepatitis were reported in 1959 than in 1958. The 1958 figure was slightly above that for 1957. Thus, it appears that the incidence of hepatitis is now on an upward swing following a low year in 1957, preceded by a steadily declining number of cases since the peak of about 50,000 cases in 1954. The increased incidence in 1959 was evident in all the geographic divisions. Only a few States reported fewer cases in 1959 than in 1958, whereas a number of States reported more than double the number of cases in 1958. Several outbreaks of hepatitis were reported. One, in a small village, was thought to be due to contamination of wells during the spring thaw and runoff. No common source could be identified in the other outbreaks.

The number of reported cases of typhoid fever continued to decrease steadily. It dropped considerably below 1,000 cases in 1959 and was 19 percent less than that reported in 1958 and 33 percent less than in 1957. Twenty percent of the cases in 1959 occurred in California and Texas as in 1958. Two outbreaks of typhoid fever were reported in which contaminated water supplies were involved. Each consisted of less than 15 cases. In one instance, wells used by migrant laborers were thought to be contaminated by a carrier, and in the other instance a public water supply was the source of infection.

EPIDEMIOLOGICAL REPORTS

Influenza and influenza-like disease

Dr. Winslow Basche, Ohio Department of Health, reported an outbreak of respiratory disease at a penal institution in Columbus. Approximately 200 of 4,000 inmates were hospitalized. Seven virus isolates have been identified as type A2 (Asian) influenza virus. A similar outbreak occurred in the community of Columbus but no specimens had been received at the time of the report.

Dr. Durwood Blakley, Mississippi State Board of Health, reports that several communities in Mississippi are showing a rise in incidence of influenza-like illnesses. He also reports that one case with onset of illness early in December shows a rise in antibodies against influenza virus B/GL/54.

Dr. C. B. Tucker, Tennessee Department of Health, has reported an explosive outbreak of influenza-like disease in Perry County. About 350 persons, including schoolchildren, have been involved. Throat washings have been obtained for virus isolation studies and paired specimens of blood will be taken for serologic tests.

Dr. J. E. Peavy, Texas Commissioner of Health, has been informed by the City Health Officer of San Antonio that during the last few days of December an estimated 2,000 or 3,000 cases of influenza-like illness have occurred in San Antonio. The predominating type of illness consisted of upper respiratory symptoms, with some cases showing gastrointestinal symptoms. Laboratory specimens are currently being examined. The illness was reported as being comparatively mild.

Human rabies

The Missouri Division of Health supplied additional information about the case of rabies reported for the week ended December 26. The victim, a 23-year-old man, was hospitalized on November 14 complaining of numbness of both arms and legs. He died shortly after admission to the hospital with no definite diagnosis being made. Rabies was not suspected. However, during routine laboratory tests a spinal fluid specimen was injected into mice, and on December 3 the mice showed symptoms of rabies and Negri bodies were found in their brain tissue. Following this, a review of brain tissue from the victim disclosed the presence of Negri bodies. The man had shown no symptoms prior to the paralysis on November 14. However, he had been relieved of his truck driving duties during the latter part of October because of recurring attacks of dizziness. He had visited the hospital several times complaining of not feeling well. He was known to be an animal lover and frequently picked up, petted, and handled stray dogs, and for a time prior to October 21 kept a stray dog in the cab of the truck he was driving. Investigation has not revealed a source of infection.

Animal rabies

Dr. Malcolm H. Merrill, California Director of Public Health, reports that the outbreak of animal rabies in Imperial County and in Baja California, Mexico, is continuing. Total cases in Imperial County number more than 70 clinical cases, of which 31 are laboratory confirmed in dogs. One-hundred persons have been reported bitten by nonrabid animals. In addition, 81 persons have been exposed to clinical cases or laboratory-proven cases of animal rabies. Seventy-three persons have completed or are undergoing antirabies treatment. A house-to-house canvas to determine the level of canine vaccination and license enforcement is underway; vaccination clinics are being held; and extensive control measures are being utilized.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 3, 1959, AND JANUARY 2, 1960

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	BRUCELLOSIS (undulant fever)		DIPHTHERIA 086				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		52d week		Cumulative 52 weeks		082		52d week		Cumulative 52 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES ¹ -----	7	14	24	41	956	935	27	31	441	373	23,187	15,498
NEW ENGLAND-----	-	-	-	-	5	9	2	5	26	13	791	614
Maine-----	-	-	-	-	-	-	-	-	-	2	91	79
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	15	2
Vermont-----	-	-	-	-	-	-	-	-	-	2	27	35
Massachusetts-----	-	-	-	-	5	8	1	1	19	5	421	302
Rhode Island-----	-	-	-	-	-	-	1	4	2	2	79	75
Connecticut-----	-	-	-	-	-	1	-	-	5	2	158	121
MIDDLE ATLANTIC-----	-	1	1	3	52	41	9	11	62	73	3,403	2,213
New York-----	-	-	1	2	26	19	7	10	41	50	2,049	1,487
New Jersey-----	-	-	-	-	10	5	1	-	2	16	327	197
Pennsylvania-----	-	1	-	1	16	17	1	1	19	7	1,027	529
EAST NORTH CENTRAL-----	2	1	1	-	33	45	3	5	56	47	3,564	2,640
Ohio-----	-	-	1	-	12	11	1	-	13	24	1,043	831
Indiana-----	-	-	-	-	5	15	2	-	6	-	340	250
Illinois-----	2	-	-	-	10	12	-	1	20	4	808	631
Michigan-----	-	1	-	-	4	6	-	4	12	10	1,126	681
Wisconsin-----	-	-	-	-	2	1	-	-	5	9	247	247
WEST NORTH CENTRAL-----	4	9	2	3	80	143	-	1	51	34	1,851	1,275
Minnesota-----	-	-	-	2	25	75	-	-	17	10	434	200
Iowa-----	2	5	-	-	3	14	-	-	-	-	164	201
Missouri-----	-	-	-	1	10	15	-	-	3	6	435	255
North Dakota-----	-	1	-	-	2	4	-	-	14	6	467	250
South Dakota-----	1	3	-	-	4	21	-	-	6	2	82	19
Nebraska-----	-	-	2	-	28	12	-	-	9	3	97	94
Kansas-----	1	-	-	-	8	2	-	1	2	6	172	256
SOUTH ATLANTIC-----	-	1	1	5	292	291	6	2	40	16	2,068	1,200
Delaware-----	-	-	-	-	-	3	-	-	1	-	137	62
Maryland-----	-	-	-	-	8	2	1	-	2	4	403	187
District of Columbia-----	-	-	-	-	-	27	2	-	2	4	23	25
Virginia-----	-	1	-	-	15	17	-	-	9	2	509	283
West Virginia-----	-	-	1	-	4	25	-	-	6	4	321	163
North Carolina-----	-	-	-	2	25	37	3	2	1	-	126	64
South Carolina-----	-	-	-	-	31	75	-	-	1	-	56	42
Georgia-----	-	-	-	3	121	76	-	-	6	1	149	136
Florida-----	-	-	-	-	88	29	-	-	12	1	344	238
EAST SOUTH CENTRAL-----	-	-	1	7	124	113	1	1	60	51	2,435	1,285
Kentucky-----	-	-	-	-	9	7	1	-	28	39	1,266	653
Tennessee-----	-	-	2	10	14	-	-	-	12	5	522	317
Alabama-----	-	-	1	-	60	53	-	-	20	4	496	227
Mississippi-----	-	-	-	5	45	39	1	-	-	3	151	88
WEST SOUTH CENTRAL-----	-	1	16	23	330	230	-	2	37	8	1,817	1,127
Arkansas-----	-	1	-	2	42	48	-	2	2	1	83	105
Louisiana-----	-	-	3	16	99	90	-	-	3	1	121	13
Oklahoma-----	-	-	12	-	33	22	-	-	9	-	286	155
Texas-----	-	-	1	5	156	70	-	-	23	6	1,327	854
MOUNTAIN ¹ -----	-	1	2	-	23	50	1	1	54	73	3,026	2,171
Montana-----	-	-	2	-	2	8	-	-	1	16	275	437
Idaho-----	-	-	-	-	1	1	-	-	-	7	1371	216
Wyoming-----	-	-	-	-	-	2	-	-	1	6	61	31
Colorado-----	-	1	-	-	8	14	-	1	9	10	877	336
New Mexico-----	-	-	-	-	8	22	-	-	16	13	563	367
Arizona-----	-	-	-	-	2	3	1	-	2	19	594	501
Utah-----	-	-	-	-	-	-	-	-	24	1	254	179
Nevada-----	-	-	-	-	2	-	-	-	1	1	28	104
PACIFIC-----	1	-	-	-	17	13	5	3	55	58	4,232	2,973
Alaska-----	-	-	-	-	5	-	-	-	3	-	83	(74)
Washington-----	-	-	-	-	-	-	-	-	8	7	563	459
Oregon-----	-	-	-	-	6	8	-	-	17	17	913	464
California-----	1	-	-	-	6	5	5	3	27	34	2,673	2,050
Hawaii-----	-	-	-	-	2	-	-	-	-	3	51	67
Puerto Rico-----	-	-	9	-	54	52	-	-	27	-	401	177

¹Data exclude report from Idaho for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 3, 1959, AND JANUARY 2, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	POLIOMYELITIS 080										MEASLES	
	Total ²				Paralytic 080.0,080.1				Nonparalytic		085	
	52d week		Cumulative 52 weeks		52d week		Cumulative 52 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES ¹ -----	46	42	8,577	6,029	33	32	5,694	3,122	4	7	3,954	5,991
NEW ENGLAND-----	3	1	399	92	3	1	308	56	-	-	301	503
Maine-----	-	1	90	5	-	1	90	5	-	-	89	11
New Hampshire-----	-	-	5	4	-	-	4	-	-	-	2	2
Vermont-----	-	-	11	6	-	-	9	5	-	-	2	193
Massachusetts-----	1	-	159	30	1	-	112	14	-	-	184	83
Rhode Island-----	-	-	10	3	-	-	7	3	-	-	-	4
Connecticut-----	2	-	124	44	2	-	86	29	-	-	25	210
MIDDLE ATLANTIC-----	8	10	853	720	6	6	567	396	-	3	393	1,564
New York-----	3	6	526	299	1	4	325	182	-	1	348	227
New Jersey-----	1	4	139	298	1	2	93	116	-	2	30	468
Pennsylvania-----	4	-	188	123	4	-	149	98	-	-	15	869
EAST NORTH CENTRAL-----	13	6	1,305	2,095	5	4	594	811	1	-	1,201	580
Ohio-----	7	2	288	413	2	1	127	119	-	-	79	131
Indiana-----	1	-	154	141	1	-	106	81	-	-	52	48
Illinois-----	2	4	343	245	-	3	183	93	1	-	628	147
Michigan-----	3	-	460	1,233	2	-	144	490	-	-	110	106
Wisconsin-----	-	-	60	63	-	-	34	28	-	-	332	148
WEST NORTH CENTRAL-----	2	3	1,559	427	1	2	855	231	1	1	123	859
Minnesota-----	1	-	248	32	1	-	202	25	-	-	12	7
Iowa-----	-	-	445	75	-	-	230	27	-	-	23	709
Missouri-----	1	1	511	187	-	1	277	140	1	-	3	17
North Dakota-----	-	1	16	52	-	1	9	30	-	-	51	122
South Dakota-----	-	-	13	14	-	-	-	1	-	-	30	-
Nebraska-----	-	1	136	35	-	-	69	4	-	1	4	4
Kansas-----	-	-	190	32	-	-	68	4	-	-	(*)	(*)
SOUTH ATLANTIC-----	4	8	1,301	893	3	7	1,029	519	1	1	154	511
Delaware-----	-	-	9	29	-	-	7	18	-	-	2	8
Maryland-----	-	-	44	27	-	-	41	22	-	-	22	32
District of Columbia-----	1	-	7	9	1	-	6	7	-	-	15	-
Virginia-----	-	2	288	161	-	2	248	134	-	-	69	172
West Virginia-----	-	1	195	212	-	-	163	134	-	1	25	147
North Carolina-----	1	3	293	101	-	3	246	41	1	-	2	68
South Carolina-----	-	1	90	35	-	1	48	23	-	-	-	15
Georgia-----	1	-	176	73	1	-	137	45	-	-	-	28
Florida-----	1	1	199	246	1	1	133	95	-	-	19	41
EAST SOUTH CENTRAL-----	-	6	881	401	-	5	670	205	-	1	368	540
Kentucky-----	-	5	113	85	-	4	87	67	-	1	99	133
Tennessee-----	-	-	389	133	-	-	294	58	-	-	200	181
Alabama-----	-	-	251	61	-	-	212	41	-	-	64	23
Mississippi-----	-	1	128	122	-	1	77	39	-	-	5	203
WEST SOUTH CENTRAL-----	2	4	1,142	791	2	4	750	532	-	-	903	296
Arkansas-----	1	1	305	33	1	1	231	31	-	-	2	1
Louisiana-----	1	1	147	80	1	1	105	55	-	-	2	-
Oklahoma-----	-	1	160	61	-	1	92	24	-	-	10	1
Texas-----	-	1	530	617	-	1	322	422	-	-	889	294
MOUNTAIN ¹ -----	2	1	205	205	2	1	116	95	-	-	197	780
Montana-----	1	-	15	68	1	-	7	42	-	-	31	497
Idaho-----	-	-	18	12	-	-	1	-	-	-	-	9
Wyoming-----	-	-	2	13	-	-	1	1	-	-	3	7
Colorado-----	-	-	26	20	-	-	18	15	-	-	13	106
New Mexico-----	-	1	44	40	-	1	27	17	-	-	-	34
Arizona-----	1	-	91	34	1	-	55	14	-	-	45	98
Utah-----	-	-	12	12	-	-	4	4	-	-	95	24
Nevada-----	-	-	7	6	-	-	4	2	-	-	10	5
PACIFIC-----	12	3	932	405	11	2	805	277	1	1	314	358
Alaska-----	-	-	29	(2)	-	-	15	(1)	-	-	5	(16)
Washington-----	3	-	218	38	3	-	218	3	-	-	80	33
Oregon-----	2	1	189	41	1	1	148	28	1	-	117	166
California-----	7	2	496	326	7	1	424	246	-	1	112	159
Hawaii-----	-	1	5	77	-	1	5	77	-	-	545	4
Puerto Rico-----	1	-	9	59	1	-	8	56	-	-	8	31

¹Data exclude report from Idaho for the current week.

²Includes cases not specified by type, category number 080.3.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 3, 1959, AND JANUARY 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		MENINGITIS, OTHER	PSITTA-COSIS	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	110-117		057		340	096.2	52d week		Cumulative 52 weeks		101		
	1959	1959	1958	1959	1959	1959	1958	1959	1958	1959	1959	1958	
CONT. UNITED STATES ¹ -----	-	39	51	157	1	7	9	862	1,065	-	84	71	
NEW ENGLAND-----	-	4	2	72	-	-	-	16	20	-	1	-	
Maine-----	-	-	-	³ 65	-	-	-	2	2	-	1	-	
New Hampshire-----	-	-	-	-	-	-	-	-	1	-	-	-	
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-	
Massachusetts-----	-	1	2	7	-	-	-	6	9	-	-	-	
Rhode Island-----	-	-	-	-	-	-	-	3	1	-	-	-	
Connecticut-----	-	3	-	-	-	-	-	5	7	-	-	-	
MIDDLE ATLANTIC-----	-	7	12	12	-	-	1	88	112	-	9	10	
New York-----	-	3	6	⁴ 12	-	-	1	38	40	-	9	9	
New Jersey-----	-	-	2	-	-	-	-	13	26	-	-	-	
Pennsylvania-----	-	4	4	-	-	-	-	37	46	-	-	1	
EAST NORTH CENTRAL-----	-	4	11	33	1	-	-	105	112	-	4	2	
Ohio-----	-	-	3	2	-	-	-	52	40	-	-	-	
Indiana-----	-	3	-	15	-	-	-	17	20	-	2	-	
Illinois-----	-	1	1	⁵ 12	-	-	-	21	24	-	-	-	
Michigan-----	-	-	6	4	-	-	-	9	18	-	1	-	
Wisconsin-----	-	-	1	-	1	-	-	6	10	-	1	2	
WEST NORTH CENTRAL-----	-	4	4	11	-	3	1	56	78	-	9	13	
Minnesota-----	-	2	3	3	-	-	-	4	3	-	1	5	
Iowa-----	-	-	-	-	-	-	-	9	15	-	3	4	
Missouri-----	-	1	-	-	-	1	-	20	37	-	3	4	
North Dakota-----	-	1	-	-	-	-	-	5	2	-	2	-	
South Dakota-----	-	-	-	-	-	-	-	3	7	-	-	-	
Nebraska-----	-	-	-	-	-	-	-	5	3	-	-	-	
Kansas-----	-	-	1	⁶ 8	-	2	1	10	11	-	-	-	
SOUTH ATLANTIC-----	-	8	6	7	-	1	2	145	183	-	6	22	
Delaware-----	-	-	-	1	-	-	-	3	5	-	-	-	
Maryland-----	-	-	-	1	-	-	-	5	14	-	-	-	
District of Columbia-----	-	-	-	3	-	-	-	4	6	-	-	-	
Virginia-----	-	2	1	-	-	-	1	30	38	-	1	2	
West Virginia-----	-	1	-	-	-	-	-	15	21	-	1	5	
North Carolina-----	-	1	5	-	-	-	1	15	22	-	-	1	
South Carolina-----	-	1	-	-	-	1	-	14	12	-	1	2	
Georgia-----	-	-	-	-	-	-	-	31	36	-	2	8	
Florida-----	-	3	-	2	-	-	-	28	29	-	1	4	
EAST SOUTH CENTRAL-----	-	5	5	4	-	-	3	128	136	-	8	12	
Kentucky-----	-	2	-	2	-	-	3	30	44	-	5	3	
Tennessee-----	-	2	3	2	-	-	-	60	38	-	1	6	
Alabama-----	-	1	1	-	-	-	-	21	25	-	2	3	
Mississippi-----	-	-	1	-	-	-	-	17	29	-	-	-	
WEST SOUTH CENTRAL-----	-	2	4	6	-	2	-	188	230	-	42	11	
Arkansas-----	-	-	-	-	-	-	-	38	31	-	26	3	
Louisiana-----	-	1	2	-	-	2	-	33	82	-	3	4	
Oklahoma-----	-	-	-	1	-	-	-	17	11	-	-	-	
Texas-----	-	1	2	⁶ 5	-	-	-	100	106	-	13	4	
MOUNTAIN ¹ -----	-	1	3	3	-	-	-	46	80	-	-	-	
Montana-----	-	-	1	-	-	-	-	2	5	-	-	-	
Idaho-----	-	-	-	-	-	-	-	17	9	-	-	-	
Wyoming-----	-	-	-	-	-	-	-	7	4	-	-	-	
Colorado-----	-	-	1	2	-	-	-	4	9	-	-	-	
New Mexico-----	-	-	-	-	-	-	-	19	32	-	-	-	
Arizona-----	-	-	1	-	-	-	-	6	12	-	-	-	
Utah-----	-	1	-	⁶ 1	-	-	-	1	-	-	-	-	
Nevada-----	-	-	-	-	-	-	-	-	9	-	-	-	
PACIFIC-----	-	4	4	9	-	1	2	90	114	-	5	1	
Alaska-----	-	-	-	-	-	-	-	4	-	-	-	-	
Washington-----	-	-	3	1	-	-	-	3	3	-	-	-	
Oregon-----	-	-	-	-	-	-	-	8	13	-	-	-	
California-----	-	4	1	⁶ 8	-	1	2	75	98	-	5	1	
Hawaii-----	-	-	-	-	-	-	-	2	-	-	-	-	
Puerto Rico-----	-	-	-	-	-	-	-	18	3	-	-	-	

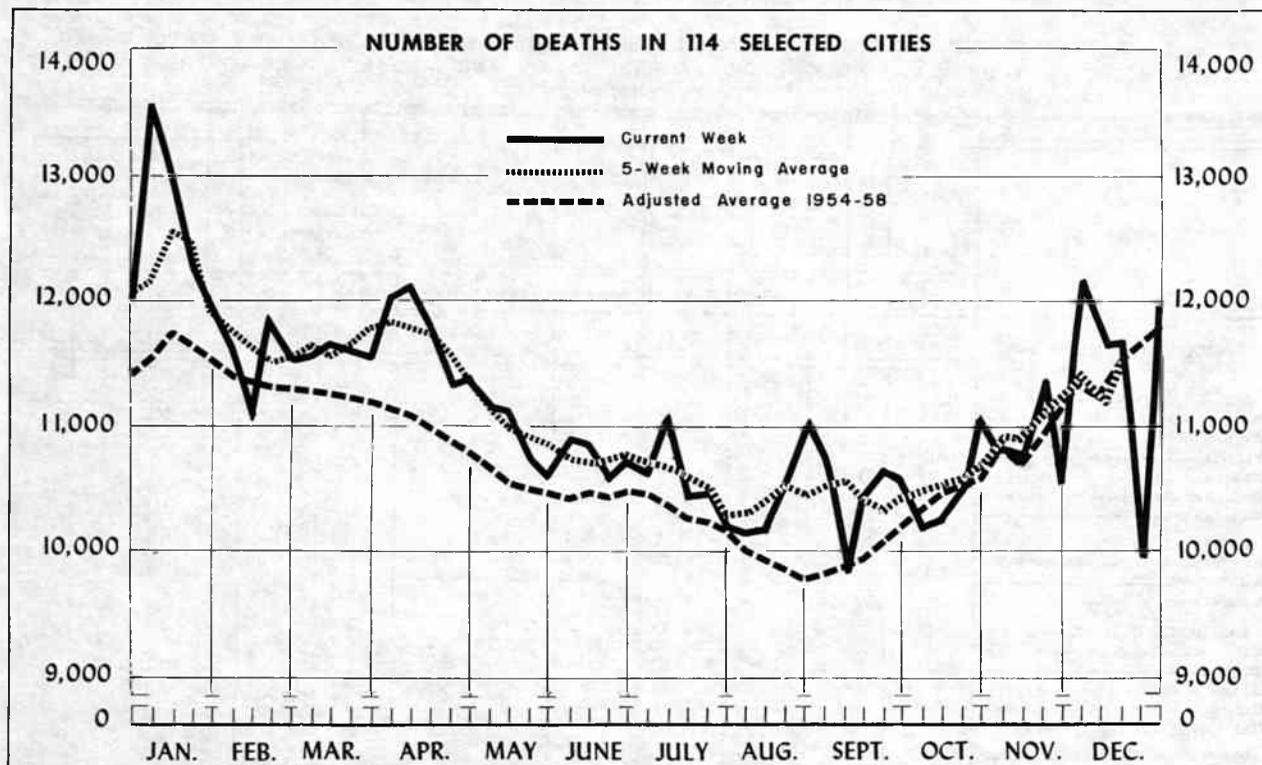
¹Data exclude report from Idaho for the current week.

⁴Includes 2 cases of aseptic meningitis.

⁵Includes 3 cases of aseptic meningitis.

⁶Aseptic meningitis.

³Delayed reports of aseptic meningitis.



The chart shows the number of deaths reported for 114 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, 1954-58, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1954-58, 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 2.3 percent to allow for estimated population growth in the cities.

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 a specified city. 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 made for use in plotting the figure in the chart.

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 114 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 Jan. 2, 1960	51st week ended Dec. 26, 1959	Adjusted average, 52d week 1954-58	Percent change, adjusted average to current week ¹	CUMULATIVE NUMBER 52 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	² 11,985	² 9,945	11,795	+1.6	² 578,216	574,767	+0.6
New England----- (14 cities)	2,796	2,621	782	+1.8	² 36,593	36,519	+0.2
Middle Atlantic----- (20 cities)	² 3,417	2,963	3,418	-0.0	² 166,272	165,886	+0.2
East North Central----- (19 cities)	² 2,748	² 2,177	2,545	+8.0	² 123,990	122,630	+1.1
West North Central----- (9 cities)	² 800	² 700	827	-3.3	² 40,296	40,757	-1.1
South Atlantic----- (11 cities)	1,063	820	1,015	+4.7	49,892	49,432	+0.9
East South Central----- (8 cities)	² 436	369	521	-16.3	² 26,387	26,564	-0.7
West South Central----- (13 cities)	² 1,001	803	962	+4.1	² 48,898	48,856	+0.1
Mountain----- (8 cities)	303	285	285	+6.3	16,160	15,311	+5.5
Pacific----- (12 cities)	1,421	1,207	1,427	-0.4	69,728	68,812	+1.3

¹Adjusted average used as base.

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	52d week ended	51st week ended	CUMULATIVE NUMBER		AREA	52d week ended	51st week ended	CUMULATIVE NUMBER	
	Jan. 2, 1960	Dec. 26, 1959	52 WEEKS			Jan. 2, 1960	Dec. 26, 1959	52 WEEKS	
			1959	1958				1959	1958
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	267	255	12,522	12,476	St. Louis, Mo.-----	222	199	12,255	12,705
Bridgeport, Conn.-----	¹ 44	28	² 1,997	1,979	St. Paul, Minn.-----	85	60	3,403	3,628
Cambridge, Mass.-----	25	23	1,485	1,487	Wichita, Kans.-----	¹ 48	33	² 2,432	2,332
Fall River, Mass.-----	26	16	1,443	1,415	SOUTH ATLANTIC:				
Hartford, Conn.-----	60	34	2,541	2,614	Atlanta, Ga.-----	124	105	5,819	5,689
Lowell, Mass.-----	33	23	1,240	1,288	Baltimore, Md.-----	246	236	12,539	12,589
Lynn, Mass.-----	35	25	1,206	1,166	Charlotte, N. C.-----	45	20	1,914	1,829
New Bedford, Mass.-----	35	22	1,269	1,209	Jacksonville, Fla.-----	62	45	2,998	3,068
New Haven, Conn.-----	45	34	2,321	2,408	Miami, Fla.-----	72	41	3,609	3,564
Providence, R. I.-----	71	51	3,340	3,402	Norfolk, Va.-----	37	23	2,017	1,814
Somerville, Mass.-----	10	7	674	752	Richmond, Va.-----	91	64	4,058	3,938
Springfield, Mass.-----	¹ 45	¹ 39	³ 2,284	2,174	Savannah, Ga.-----	29	24	1,699	1,685
Waterbury, Conn.-----	32	22	1,435	1,371	St. Petersburg, Fla.-----	(88)	(74)	(3,406)	(3,304)
Worcester, Mass.-----	68	42	2,836	2,778	Tampa, Fla.-----	106	41	3,225	3,226
MIDDLE ATLANTIC:					Washington, D. C.-----	224	192	10,095	10,101
Albany, N. Y.-----	57	21	2,571	2,610	Wilmington, Del.-----	27	29	1,919	1,929
Allentown, Pa.-----	37	27	1,772	1,702	EAST SOUTH CENTRAL:				
Buffalo, N. Y.-----	163	140	7,546	7,831	Birmingham, Ala.-----	48	68	4,284	4,456
Camden, N. J.-----	48	39	2,134	2,157	Chattanooga, Tenn.-----	40	31	2,367	2,444
Elizabeth, N. J.-----	38	28	1,543	1,505	Knoxville, Tenn.-----	21	16	1,446	1,586
Erie, Pa.-----	32	30	1,885	1,844	Louisville, Ky.-----	¹ 09	83	² 5,804	5,615
Jersey City, N. J.-----	71	76	3,752	3,631	Memphis, Tenn.-----	90	86	5,824	5,893
Newark, N. J.-----	105	64	5,148	4,946	Mobile, Ala.-----	43	36	2,016	1,996
New York City, N. Y.-----	1,753	1,597	85,278	84,188	Montgomery, Ala.-----	28	13	1,667	1,731
Paterson, N. J.-----	32	29	1,967	2,088	Nashville, Tenn.-----	57	36	2,979	3,043
Philadelphia, Pa.-----	¹ 477	468	² 25,211	25,704	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	227	156	9,575	9,732	Austin, Tex.-----	28	28	1,669	1,647
Reading, Pa.-----	¹ 25	14	² 1,137	1,125	Baton Rouge, La.-----	26	13	1,422	1,424
Rochester, N. Y.-----	110	71	5,026	5,227	Corpus Christi, Tex.-----	26	19	1,059	1,101
Schenectady, N. Y.-----	19	16	1,276	1,187	Dallas, Tex.-----	141	121	6,186	5,982
Scranton, Pa.-----	¹ 38	47	² 1,904	1,816	El Paso, Tex.-----	26	17	1,858	1,884
Syracuse, N. Y.-----	73	65	3,266	3,231	Fort Worth, Tex.-----	72	53	3,292	3,209
Trenton, N. J.-----	56	34	2,227	2,365	Houston, Tex.-----	159	151	8,102	8,198
Utica, N. Y.-----	30	14	1,450	1,404	Little Rock, Ark.-----	¹ 46	39	² 2,745	2,785
Yonkers, N. Y.-----	26	27	1,604	1,593	New Orleans, La.-----	197	148	8,849	8,985
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	73	57	3,654	3,507
Akron, Ohio-----	67	48	3,032	2,946	San Antonio, Tex.-----	119	67	4,934	5,059
Canton, Ohio-----	37	21	1,732	1,624	Shreveport, La.-----	29	51	2,566	2,511
Chicago, Ill.-----	864	651	39,211	39,126	Tulsa, Okla.-----	59	39	2,562	2,564
Cincinnati, Ohio-----	166	120	8,113	8,317	MOUNTAIN:				
Cleveland, Ohio-----	246	176	10,816	10,768	Albuquerque, N. Mex.-----	25	25	1,539	1,438
Columbus, Ohio-----	175	116	6,157	5,965	Colorado Springs, Colo.-----	13	10	802	791
Dayton, Ohio-----	¹ 94	¹ 67	³ 5,583	3,754	Denver, Colo.-----	95	95	5,921	5,787
Detroit, Mich.-----	379	370	17,093	16,490	Ogden, Utah-----	15	14	769	749
Evansville, Ind.-----	¹ 47	52	² 1,936	1,980	Phoenix, Ariz.-----	62	69	2,676	2,347
Flint, Mich.-----	26	38	2,060	1,965	Pueblo, Colo.-----	11	12	714	686
Fort Wayne, Ind.-----	51	37	1,928	1,843	Salt Lake City, Utah-----	51	41	2,521	2,483
Gary, Ind.-----	27	20	1,517	1,612	Tucson, Ariz.-----	31	19	1,218	1,030
Grand Rapids, Mich.-----	46	48	2,174	2,106	PACIFIC:				
Indianapolis, Ind.-----	173	142	7,148	6,621	Berkeley, Calif.-----	19	23	894	976
Madison, Wis.-----	---	(36)	---	(1,687)	Fresno, Calif.-----	---	(39)	---	(2,118)
Milwaukee, Wis.-----	133	95	6,639	6,726	Glendale, Calif.-----	(32)	(28)	(1,863)	(1,699)
Peoria, Ill.-----	24	26	1,522	1,651	Long Beach, Calif.-----	68	56	2,837	2,866
Rockford, Ill.-----	(34)	(23)	(1,406)	(1,361)	Los Angeles, Calif.-----	495	413	24,977	25,031
South Bend, Ind.-----	44	30	1,448	1,389	Oakland, Calif.-----	111	93	4,748	4,866
Toledo, Ohio-----	79	80	5,104	5,031	Pasadena, Calif.-----	30	27	1,633	1,794
Youngstown, Ohio-----	70	40	2,777	2,716	Portland, Oreg.-----	102	90	5,614	5,153
WEST NORTH CENTRAL:					Sacramento, Calif.-----	64	65	2,918	2,726
Des Moines, Iowa-----	55	49	2,755	2,817	San Diego, Calif.-----	99	67	4,256	4,236
Duluth, Minn.-----	13	43	1,332	1,310	San Francisco, Calif.-----	191	197	10,106	9,798
Kansas City, Kans.-----	¹ 28	¹ 32	¹ 1,832	1,524	San Jose, Calif.-----	(34)	(23)	(1,342)	(1,197)
Kansas City, Mo.-----	134	97	6,234	6,298	Seattle, Wash.-----	159	101	7,104	6,962
Lincoln, Nebr.-----	(21)	(28)	(1,362)	(1,299)	Spokane, Wash.-----	54	40	2,563	2,356
Minneapolis, Minn.-----	143	135	6,375	6,549	Tacoma, Wash.-----	29	35	2,078	2,048
Omaha, Nebr.-----	72	54	3,678	3,594	Honolulu, Hawaii-----	(49)	(43)	(1,998)	(1,892)

¹Estimated.

²Includes estimate for current week.

³Includes estimate for current week and previous week.

Morbidity and Mortality Weekly Report

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 Yellow Fever Vaccination Centers in Section 6:

<u>City</u>	<u>Center</u>	<u>Clinic Hours</u>	<u>Fee</u>
Canal Zone Ancon	Gorgas Hospital, Outpatient Clinic Tel: 2-6454	Wednesday, 1-3 p.m.	Yes

The following name should be added to the list of Yellow Fever Vaccination Centers in Section 6:

<u>City</u>	<u>Center</u>	<u>Clinic Hours</u>	<u>Fee</u>
Canal Zone Balboa	Community Health Center Building # 721 Tel: Balboa 1239	Wednesday, 1-3 p.m.	No

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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--	()

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Hawaii and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cumulative totals are routinely revised to include corrected and revised figures and delayed reports. In table 1, data for Alaska are included for 1959 but not for prior years. In table 2, total figures for the United States and the Pacific Division include figures for Alaska for 1959 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 (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted below table 1.

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