

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 December 20, 1958

A death from rabies in man was reported for the current week by the South Dakota State Department of Health.

Dr. Mario Pizzi, Chief of the Surveillance Section, Communicable Disease Center, has provided summaries of investigations of cases of encephalitis and malaria during 1958. The incidence of arthropod-borne encephalitis has been prominent in the West and Midwest where epidemics of both western equine encephalitis and St. Louis encephalitis have occurred. In the East, no confirmed cases of eastern equine encephalitis have been reported; and only 1 case of equine encephalitis, in Maryland, has been confirmed by virus isolation as eastern equine encephalitis.

In Kansas, 47 cases of St. Louis encephalitis, resulting in 2 deaths, and 16 cases of western equine encephalitis have been confirmed. These cases occurred over a wide area

throughout the central and western parts of the State. In northern Utah 120 suspect cases occurred of which 39 have been confirmed as western equine encephalitis. One death due to this cause has been verified by isolation of the virus, but 8 fatalities seem clinically attributable to encephalitis. California had another year of relatively high encephalitis incidence with 37 confirmed cases of western equine encephalitis and 13 of St. Louis encephalitis. As in previous years the Central Valley area was chiefly affected. Confirmed cases of arthropod-borne encephalitis have also been reported from Colorado, New Mexico, Texas, and Wyoming.

The preliminary data indicate the arthropod-borne encephalitides have been considerably more active in 1958 than in 1957 in the Western and Middle Western States, with an

Continued on page 2

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

(Numbers after diseases are category numbers of the Seventh Revision of the International Lists, 1955)

DISEASE	51st WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Dec. 20, 1958	Ended Dec. 21, 1957	Median 1953-57	First 51 weeks			Since seasonal low week			
				1956 ¹	1957	Median 1953-57	1957-58 ²	1956-57	Median 1952-53 to 1956-57	
Anthrax-----062	-	-	-	15	21	27	(²)	(²)	(²)	(²)
Botulism-----049.1	-	-	-	4	11	12	(²)	(²)	(²)	(²)
Brucellosis (undulant fever)-----044	7	12	19	782	899	1,248	(²)	(²)	(²)	(²)
Diphtheria-----055	31	60	48	896	1,178	1,978	546	714	1,164	July 1
Encephalitis, infectious-----082	22	22	17	2,302	1,833	1,833	1,693	1,273	1,273	June 1
Hepatitis, infectious, and serum-----092, #998.5 pt.	319	287	455	15,339	14,666	31,201	4,744	3,656	7,090	Sept. 1
Malaria-----110-117	-	-	4	76	145	474	(²)	(²)	(²)	(²)
Measles-----085	4,885	3,536	4,120	751,367	477,720	548,795	41,004	28,066	28,300	Sept. 1
Meningococcal infections-----057	43	49	74	2,544	2,580	3,430	772	895	895	Sept. 1
Meningitis, other-----340	³ 65	39	---	4,315	2,311	---	---	---	---	---
Poliomyelitis-----090	74	31	178	⁴ 5,935	5,863	29,146	5,716	5,337	27,995	Apr. 1
Paralytic-----080.0,080.1	43	15	---	3,047	2,140	---	2,926	1,866	---	Apr. 1
Nonparalytic-----080.2	20	10	---	2,005	2,796	---	1,937	2,633	---	Apr. 1
Unspecified-----080.3	11	6	---	883	927	---	853	858	---	Apr. 1
Psittacosis-----096.2	1	10	6	138	251	266	(²)	(²)	(²)	(²)
Rabies in man-----094	⁵ 1	-	-	6	5	9	(²)	(²)	(²)	(²)
Typhoid fever-----040	19	8	30	1,053	1,267	1,747	876	1,010	1,435	Apr. 1
Typhus fever, endemic-----101	-	1	1	71	114	130	59	89	114	Apr. 1
Rabies in animals-----	78	42	88	4,441	4,125	5,020	771	722	955	Oct. 1

¹Data excludes reports from Florida, Idaho, Montana, and New Mexico for the current week. ²Data show no pronounced seasonal change in incidence. ³Includes 15 cases of aseptic meningitis; see footnote to table 2. ⁴Includes revised report for one or more of the categories of poliomyelitis for Indiana and Pennsylvania. ⁵Reported in South Dakota.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

COMMUNICABLE DISEASE CENTER

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apparent peak occurring in the first week of September.

Some appraisal has been received for 39 cases of malaria out of about 70 reported through November from 15 States. Twenty-five cases have been confirmed as malaria, 6 are presumptive, 7 are unconfirmed, and 1 has been shown not to be malaria. Of the confirmed cases, 18 were due to Plasmodium vivax, 6 to P. malariae, and 1 to P. falciparum. Of the 31 confirmed and presumptive cases, 24 were of foreign origin, 2 were the result of transfusions, and 5 are currently listed as indigenous. One of the transfusion cases, due to P. malariae, was traced to a donor who was found to have an asymptomatic infection. The possibly indigenous cases reported from California, Indiana, and Pennsylvania are under investigation.

About 750,000 cases of measles were reported in 1958. This is the largest total in any year since 1941 when 890,134 cases were recorded. In 1957 about 480,000 cases were reported. Despite the large number of cases across the Nation this year, in 2 geographic divisions there were fewer cases reported compared with last year; the West North Central Division had about 15 percent fewer cases and the Pacific area about 35 percent fewer cases. Each of the States in the Pacific Division reported considerably smaller numbers in 1958.

The number of reported cases of meningococcal infections will be similar to the figures for 1956 and 1957, about 2,700. Prior to 1957 the number had been decreasing steadily from a peak of 5,077 cases in 1953. In 1958 Michigan reported about 9 percent of the total figure and California about 7.5 percent. Illinois, New York, Pennsylvania, Alabama, and Ohio each reported more than 100 cases during the year. The case fatality rate continues to be between 25 and 30 percent of the reported cases.

A review of the incidence of anthrax reported during the year shows that 7 cases occurred in Arkansas, 3 in Pennsylvania, 2 each in Louisiana and Massachusetts, and 1 in Mississippi. This distribution is different from the usual pattern in which more cases are reported from the Middle Atlantic and New England States and are related to industrial activities. This may be related to a program of vaccination which is being evaluated. Epidemiological reports showed that the cases in the South Central States were in rural areas and related to an increased incidence of the disease in livestock. Of the 7 cases in Arkansas, 4 were in children. Lesions occurred on the face, hands, and chest and in one instance on the thigh of the individual. Two of the 7 cases were in girls, 3 and 5 years of age.

For the first time since reports of communicable diseases became available for the country as a whole less than 1,000 cases of diphtheria were reported in a year's time. In spite of the record low figure, a number of States reported nearly twice as many cases in 1958 as in 1957. On the other hand, 8

States reported no cases. Localized epidemics were reported in Arkansas, Louisiana, Minnesota, and Mississippi.

The number of cases of hepatitis is slightly above that of 1957. This is the first interruption in the steady decline in the number of reported cases since the peak of about 50,000 cases in 1954. In the Mountain Division almost twice as many cases were reported this year as compared with last year; and an increase of about 50 percent was evident in the West North Central Division. Kansas reported about 9 times as many cases as last year and Arizona, Nebraska, Nevada, and Utah, all reported cumulative figures about triple those for last year. However, the number of cases in these States was relatively small. The largest decrease occurred in the East South Central Division, particularly in Tennessee. Small outbreaks were reported in Massachusetts and Ohio. The number of deaths from hepatitis has remained fairly constant, approximately 800 annually, during the past few years until 1957 when deaths increased in number to almost 900, despite the lower number of reported cases.

EPIDEMIOLOGICAL REPORTS

Brucellosis

Information has been received about a case of brucellosis in a 44-year-old dairy farmer in Massachusetts. The symptoms were severe upper abdominal pain, sweats, arthralgia, chills, fatigue, headache, weakness, and a 35-pound weight loss. Two agglutination tests 2 weeks apart were positive for brucellosis in titers of 1:405. The man milks or supervises the milking of 45 cows and assists in general barn work. The present status of the herd is believed to be healthy as determined by tests in October and November. However, brucellosis was found in the herd by tests in February and March, 1958. The man also has been accustomed to helping his neighbors with the delivery of calves. It is reported he never used gloves or took other precautions. He has been drinking a quart or more of raw milk daily during his entire life.

QUARANTINE MEASURES

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

Changes Reported

On page 61, for the yellow fever vaccination center located at the Navigation Clinic, 215 Milby Street, Houston, Texas, the telephone number should be changed to CApitol 5-0463 and the clinic hours to Monday through Saturday, by appointment only. All other information remains the same.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 21, 1957, AND DECEMBER 20, 1958

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

AREA	BRUCELLOSIS (UNDULANT FEVER)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092, M998.5 pt.			
	044		51st week		Cumulative first 51 weeks		082		51st week		Cumulative first 51 weeks	
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES ¹ -----	7	12	31	60	896	1,178	22	22	319	287	15,339	14,666
NEW ENGLAND-----	-	-	1	-	9	27	-	-	6	8	593	764
Maine-----	-	-	-	-	-	3	-	-	1	1	77	238
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	2	8
Vermont-----	-	-	-	-	-	-	-	-	1	-	33	88
Massachusetts-----	-	-	1	-	8	24	-	-	2	4	292	228
Rhode Island-----	-	-	-	-	-	-	-	-	2	3	70	78
Connecticut-----	-	-	-	-	1	-	-	-	-	-	119	124
MIDDLE ATLANTIC-----	-	2	-	2	39	92	6	8	56	40	2,125	2,376
New York-----	-	-	-	-	17	40	5	8	42	23	1,429	1,487
New Jersey-----	-	-	-	-	5	10	-	-	4	3	169	287
Pennsylvania-----	-	2	-	2	17	42	1	-	10	14	527	602
EAST NORTH CENTRAL-----	1	1	4	48	47	123	7	8	88	30	2,587	2,541
Ohio-----	-	-	-	-	11	14	1	2	16	7	816	620
Indiana-----	-	-	1	-	17	18	5	-	23	6	245	332
Illinois-----	1	-	3	-	12	3	-	6	26	6	622	697
Michigan-----	-	-	-	48	6	86	1	-	23	10	675	656
Wisconsin-----	-	1	-	-	1	2	-	-	-	1	229	236
WEST NORTH CENTRAL-----	4	5	1	2	135	91	3	1	30	5	1,231	792
Minnesota-----	-	2	1	-	71	35	-	-	3	2	188	293
Iowa-----	4	1	-	-	14	12	3	-	-	-	200	176
Missouri-----	-	-	-	-	14	1	-	-	7	1	251	129
North Dakota-----	-	1	-	-	4	3	-	-	5	2	236	102
South Dakota-----	-	-	-	-	18	10	-	-	-	-	17	36
Nebraska-----	-	-	2	-	12	23	-	-	5	-	89	24
Kansas-----	-	1	-	-	2	7	-	1	10	-	250	32
SOUTH ATLANTIC ¹ -----	-	-	4	5	281	388	-	2	25	16	1,180	1,117
Delaware-----	-	-	-	-	3	-	-	-	3	-	60	12
Maryland-----	-	-	-	-	3	3	-	-	11	-	177	95
District of Columbia-----	-	-	-	-	2	-	-	-	-	-	20	13
Virginia-----	-	-	2	-	34	20	-	-	7	6	284	422
West Virginia-----	-	-	1	-	10	10	-	-	3	2	160	98
North Carolina-----	-	-	1	-	29	50	-	2	1	1	65	110
South Carolina-----	-	-	2	1	41	105	-	-	-	2	42	36
Georgia-----	-	-	1	1	107	113	-	-	-	5	137	134
Florida-----	-	-	-	-	¹ 55	87	-	-	-	-	¹ 235	197
EAST SOUTH CENTRAL-----	-	2	7	1	105	161	1	1	15	23	1,228	1,820
Kentucky-----	-	1	-	-	5	18	-	-	10	14	598	779
Tennessee-----	-	1	-	-	13	12	1	-	4	4	319	642
Alabama-----	-	-	6	1	53	71	-	-	1	4	222	266
Mississippi-----	-	-	1	-	34	60	-	1	-	1	89	133
WEST SOUTH CENTRAL-----	2	-	14	-	207	212	1	-	15	23	1,127	1,134
Arkansas-----	1	-	4	-	44	46	-	-	2	2	104	81
Louisiana-----	-	-	5	-	74	25	-	-	-	-	13	52
Oklahoma-----	-	-	-	-	25	23	-	-	4	10	155	141
Texas-----	1	-	5	-	64	118	1	-	9	11	855	860
MOUNTAIN ¹ -----	-	-	-	2	60	49	1	-	19	99	2,351	1,373
Montana-----	-	-	-	-	¹ 16	14	-	-	-	13	¹ 403	193
Idaho-----	-	-	-	-	12	1	-	-	-	-	¹ 201	101
Wyoming-----	-	-	-	-	2	11	-	-	-	-	22	55
Colorado-----	-	-	-	-	12	2	-	-	10	6	313	198
New Mexico-----	-	-	2	-	¹ 24	15	-	-	-	1	¹ 341	402
Arizona-----	-	-	-	-	4	4	-	-	7	72	790	321
Utah-----	-	-	-	-	-	2	-	-	1	7	178	73
Nevada-----	-	-	-	-	-	-	1	-	1	-	103	30
PACIFIC-----	-	2	-	-	13	35	3	2	65	43	2,917	2,749
Washington-----	-	-	-	-	-	23	-	-	10	2	459	375
Oregon-----	-	-	-	-	8	3	-	-	10	7	445	499
California-----	-	2	-	-	5	9	3	2	45	34	2,013	1,875
Alaska-----	-	-	-	5	-	5	-	-	-	3	81	115
Hawaii-----	-	-	-	-	1	1	-	-	-	1	164	69
Puerto Rico-----	-	-	-	-	53	60	-	-	1	-	174	159

¹Data exclude reports from Florida, Montana, Idaho, New Mexico, and Hawaii for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 21, 1957, AND DECEMBER 20, 1958--Continued

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

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total ²				Paralytic		Nonparalytic		110-117		085	
	51st week		Cumulative first 51 weeks		080.0,080.1		080.2		110-117		085	
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES ¹	74	31	5,935	5,863	43	15	20	10	-	-	4,885	3,536
NEW ENGLAND-----	1	2	91	83	-	1	1	1	-	-	395	282
Maine-----	-	-	4	9	-	-	-	-	-	-	13	57
New Hampshire-----	-	-	4	4	-	-	-	-	-	-	-	6
Vermont-----	-	-	6	5	-	-	-	-	-	-	101	2
Massachusetts-----	-	1	30	25	-	1	-	-	-	-	154	161
Rhode Island-----	-	-	3	-	-	-	-	-	-	-	1	29
Connecticut-----	1	1	44	40	-	-	1	1	-	-	126	27
MIDDLE ATLANTIC-----	10	2	709	340	7	-	3	1	-	-	1,246	480
New York-----	3	-	291	216	1	-	2	-	-	-	142	405
New Jersey-----	2	-	294	79	2	-	-	-	-	-	222	29
Pennsylvania-----	5	2	³ 124	45	4	-	1	1	-	-	882	46
EAST NORTH CENTRAL-----	11	7	2,066	1,544	6	-	-	4	-	-	731	704
Ohio-----	6	3	400	273	2	-	-	-	-	-	265	103
Indiana-----	-	2	³ 139	201	-	-	-	2	-	-	55	25
Illinois-----	-	-	239	346	-	-	-	-	-	-	128	56
Michigan-----	5	2	1,226	510	4	-	-	2	-	-	133	77
Wisconsin-----	-	-	62	214	-	-	-	-	-	-	150	443
WEST NORTH CENTRAL-----	10	-	414	460	4	-	3	-	-	-	585	61
Minnesota-----	-	-	32	55	-	-	-	-	-	-	8	-
Iowa-----	6	-	76	85	1	-	2	-	-	-	422	12
Missouri-----	4	-	184	125	3	-	1	-	-	-	16	5
North Dakota-----	-	-	43	11	-	-	-	-	-	-	138	44
South Dakota-----	-	-	14	41	-	-	-	-	-	-	-	-
Nebraska-----	-	-	34	77	-	-	-	-	-	-	1	-
Kansas-----	-	-	31	66	-	-	-	-	-	-	(*)	-
SOUTH ATLANTIC ¹ -----	8	4	870	846	6	4	2	-	-	-	385	545
Delaware-----	-	-	29	5	-	-	-	-	-	-	3	4
Maryland-----	-	-	27	41	-	-	-	-	-	-	19	204
District of Columbia-----	3	1	9	70	3	1	-	-	-	-	-	14
Virginia-----	1	-	157	112	1	-	-	-	-	-	188	54
West Virginia-----	3	-	210	51	1	-	2	-	-	-	133	89
North Carolina-----	-	2	108	221	-	2	-	-	-	-	40	49
South Carolina-----	1	-	34	129	1	-	-	-	-	-	2	72
Georgia-----	-	1	56	84	-	1	-	-	-	-	2	59
Florida-----	-	-	¹ 240	133	-	-	-	-	-	-	-	-
EAST SOUTH CENTRAL-----	12	2	394	419	8	-	1	-	-	-	339	353
Kentucky-----	1	-	81	109	1	-	-	-	-	-	201	79
Tennessee-----	4	-	131	150	3	-	-	-	-	-	103	265
Alabama-----	2	2	61	55	-	-	-	-	-	-	32	3
Mississippi-----	5	-	121	105	4	-	1	-	-	-	3	6
WEST SOUTH CENTRAL-----	15	4	782	1,097	8	3	7	1	-	-	325	315
Arkansas-----	-	-	31	55	-	-	-	-	-	-	19	32
Louisiana-----	-	-	80	181	-	-	-	-	-	-	-	1
Oklahoma-----	2	-	60	123	-	-	2	-	-	-	3	25
Texas-----	13	4	611	738	8	3	5	1	-	-	303	257
MOUNTAIN ¹ -----	-	3	204	245	-	3	-	-	-	-	293	353
Montana-----	-	-	¹ 68	12	-	-	-	-	-	-	-	32
Idaho-----	-	-	¹ 12	25	-	-	-	-	-	-	-	121
Wyoming-----	-	-	13	13	-	-	-	-	-	-	54	1
Colorado-----	-	-	20	50	-	-	-	-	-	-	128	95
New Mexico-----	-	1	¹ 39	50	-	1	-	-	-	-	-	38
Arizona-----	-	2	34	58	-	2	-	-	-	-	81	35
Utah-----	-	-	12	33	-	-	-	-	-	-	30	31
Nevada-----	-	-	6	4	-	-	-	-	-	-	-	-
PACIFIC-----	7	7	405	829	4	4	3	3	-	-	586	443
Washington-----	-	-	38	21	-	-	-	-	-	-	136	129
Oregon-----	-	2	40	50	-	1	-	1	-	-	180	148
California-----	7	5	327	758	4	3	3	2	-	-	270	166
Alaska-----	-	-	2	3	-	-	-	-	-	-	32	34
Hawaii-----	-	-	¹ 76	10	-	-	-	-	-	-	-	6
Puerto Rico-----	-	-	60	33	-	-	-	-	-	-	42	41

¹Data exclude reports for Florida, Montana, Idaho, New Mexico, and Hawaii for the current week.²Includes cases not specified by type, category number 080.3.³Includes revised report for one or more of the categories paralytic, nonparalytic, and unspecified poliomyelitis.

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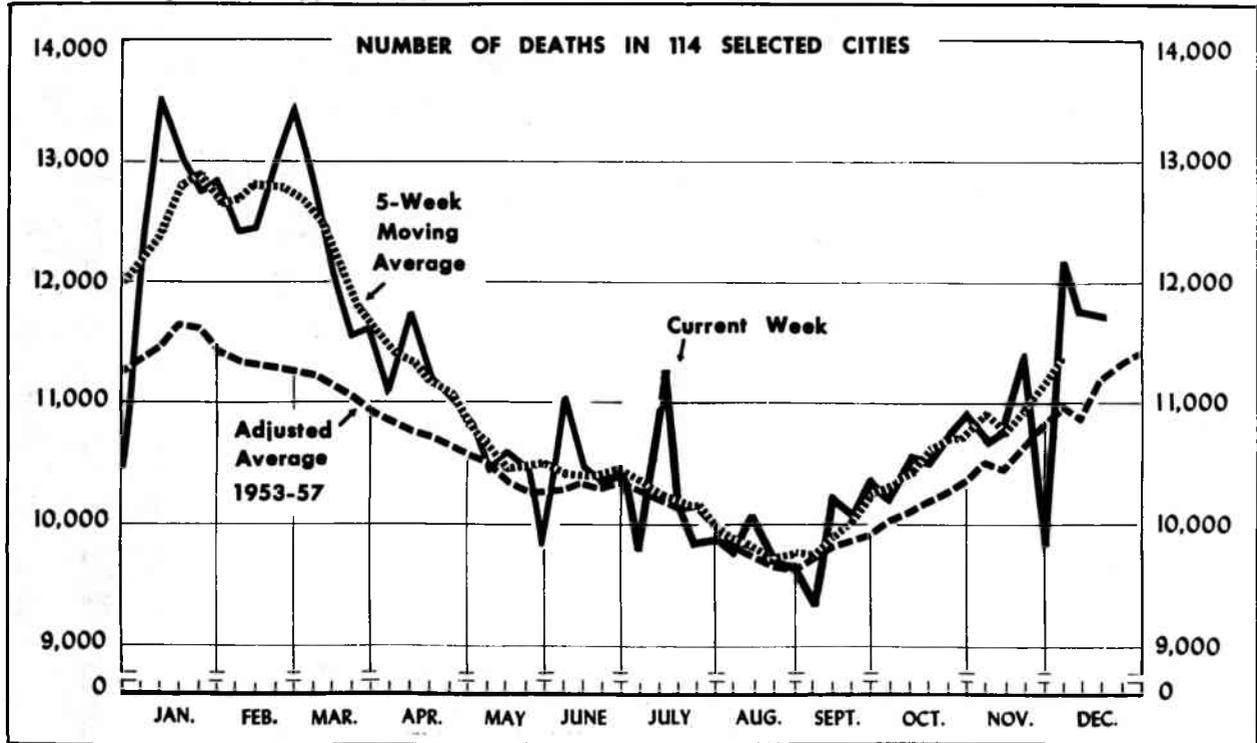
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 21, 1957, AND DECEMBER 20, 1958—Continued
(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER 340	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC 101	RABIES IN ANIMALS	
	057			096.2		51st week		Cumulative first 51 weeks			1958	1957
	1958	1957	1958	1957	1958	1957	1958	1957	1958	1957		
CONT. UNITED STATES ¹ -----	43	49	65	1	10	19	8	1,063	1,267	-	78	42
NEW ENGLAND -----	2	3	3	-	-	-	-	20	25	-	-	-
Maine-----	-	-	-	-	-	-	-	2	2	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	1	2	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	1	2	3	-	-	-	-	9	13	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	1	5	-	-	-
Connecticut-----	1	1	-	-	-	-	-	7	3	-	-	-
MIDDLE ATLANTIC -----	8	7	-	-	2	4	4	114	156	-	4	1
New York-----	6	4	-	-	1	2	1	39	59	-	4	-
New Jersey-----	2	1	-	-	-	1	-	26	20	-	-	-
Pennsylvania-----	-	2	-	-	1	1	3	49	77	-	-	1
EAST NORTH CENTRAL -----	8	11	21	-	1	2	-	111	178	-	10	9
Ohio-----	3	4	-	-	-	-	-	40	65	-	-	4
Indiana-----	-	-	2	-	-	-	-	20	63	-	7	2
Illinois-----	3	4	16	-	-	-	-	24	21	-	-	-
Michigan-----	1	-	3	-	-	2	-	17	15	-	2	-
Wisconsin-----	1	3	-	-	1	-	-	10	14	-	1	3
WEST NORTH CENTRAL -----	2	5	5	1	-	1	1	78	90	-	26	12
Minnesota-----	1	1	3	-	-	-	-	3	6	-	9	7
Iowa-----	-	-	4 ¹	1	-	-	-	15	22	-	5	-
Missouri-----	1	2	1	-	-	-	1	37	45	-	4	3
North Dakota-----	-	-	-	-	-	-	-	2	2	-	-	2
South Dakota-----	-	-	-	-	-	-	-	7	8	-	7	-
Nebraska-----	-	-	-	-	-	1	-	3	1	-	1	-
Kansas-----	-	2	-	-	-	-	-	11	6	-	-	-
SOUTH ATLANTIC ¹ -----	3	5	3	-	6	2	1	176	236	-	9	9
Delaware-----	-	-	1	-	-	-	-	5	1	-	-	-
Maryland-----	-	-	-	-	-	1	-	14	10	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	6	10	-	-	-
Virginia-----	1	1	2	-	-	-	-	39	41	-	2	3
West Virginia-----	1	1	-	-	-	-	-	21	50	-	-	-
North Carolina-----	1	1	-	-	-	-	-	20	14	-	1	-
South Carolina-----	-	-	-	-	-	1	-	12	23	-	1	1
Georgia-----	-	2	-	-	6	1	-	36	33	-	5	5
Florida-----	-	-	-	-	-	-	-	23	54	-	-	-
EAST SOUTH CENTRAL -----	5	11	8	-	-	5	1	133	174	-	9	5
Kentucky-----	1	10	-	-	-	2	-	41	54	-	5	-
Tennessee-----	2	-	5	-	-	2	-	38	67	-	1	4
Alabama-----	1	1	-	-	-	1	1	25	13	-	3	-
Mississippi-----	1	-	3	-	-	-	-	29	40	-	-	1
WEST SOUTH CENTRAL -----	4	1	6	-	1	1	1	234	251	-	20	6
Arkansas-----	-	-	1	-	1	-	-	31	43	-	5	-
Louisiana-----	2	-	-	-	-	-	-	84	59	-	1	1
Oklahoma-----	-	-	1	-	-	-	-	11	26	-	-	-
Texas-----	2	1	4	-	-	1	1	108	123	-	14	5
MOUNTAIN ¹ -----	4	-	1	-	-	-	-	78	55	-	-	-
Montana-----	-	-	-	-	-	-	-	14	3	-	-	-
Idaho-----	-	-	-	-	-	-	-	18	4	-	-	-
Wyoming-----	-	-	-	-	-	-	-	4	2	-	-	-
Colorado-----	-	-	1	-	-	-	-	9	12	-	-	-
New Mexico-----	-	-	-	-	-	-	-	32	21	-	-	-
Arizona-----	-	-	-	-	-	-	-	12	10	-	-	-
Utah-----	4	-	-	-	-	-	-	-	3	-	-	-
Nevada-----	-	-	-	-	-	-	-	9	-	-	-	-
PACIFIC -----	7	6	18	-	-	4	-	109	102	-	-	-
Washington-----	1	1	2	-	-	-	-	3	7	-	-	-
Oregon-----	-	-	2	-	-	-	-	13	6	-	-	-
California-----	6	5	14	-	-	4	-	93	89	-	-	-
Alaska-----	-	-	-	-	-	-	-	1	2	-	-	-
Hawaii-----	-	-	-	-	-	-	-	1	4	-	-	-
Puerto Rico-----	-	-	-	-	-	-	-	27	17	-	-	-

¹Data exclude reports from Florida, Montana, Idaho, New Mexico, and Hawaii for the current week. ⁴Aseptic Meningitis.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available; asterisk [*]: disease not notifiable.

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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, 1953-57, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1953-57, 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 the 5-week 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 SELECTED CITIES BY GEOGRAPHIC DIVISIONS

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

AREA	51st week ended Dec. 20, 1958	50th week ended Dec. 13, 1958	Adjusted average, 51st week 1953-57	Percent change, adjusted average to current week	CUMULATIVE NUMBER FIRST 51 WEEKS		
					1958	1957	Percent change
TOTAL: 114 REPORTING CITIES-----	¹ 11,729	11,739	11,201	+4.7	¹ 564,810	560,303	+0.8
New England----- (14 cities)	761	772	741	+2.7	35,743	35,820	-0.2
Middle Atlantic----- (20 cities)	¹ 3,321	3,364	3,304	+0.5	¹ 162,758	162,552	+0.1
East North Central----- (19 cities)	¹ 2,529	2,420	2,454	+3.1	¹ 120,527	121,047	-0.4
West North Central----- (9 cities)	930	818	782	+18.9	40,134	40,069	+0.2
South Atlantic----- (11 cities)	¹ 962	964	940	+2.3	¹ 48,487	47,314	+2.5
East South Central----- (8 cities)	492	565	497	-1.0	26,227	25,110	+4.4
West South Central----- (13 cities)	978	1,105	887	+10.3	48,092	46,692	+3.0
Mountain----- (8 cities)	274	330	261	+5.0	15,080	14,136	+6.7
Pacific----- (12 cities)	1,482	1,401	1,359	+9.1	67,762	67,563	+0.3

¹Includes estimate 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	51st week ended Dec. 20, 1958	50th week ended Dec. 13, 1958	CUMULATIVE NUMBER FIRST 51 WEEKS		AREA	51st week ended Dec. 20, 1958	50th week ended Dec. 13, 1958	CUMULATIVE NUMBER FIRST 51 WEEKS	
			1958	1957				1958	1957
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	251	274	12,259	12,113	St. Louis, Mo.-----	297	245	12,535	12,414
Bridgeport, Conn.-----	47	45	1,924	1,983	St. Paul, Minn.-----	66	79	3,604	3,422
Cambridge, Mass.-----	27	32	1,464	1,509	Wichita, Kans.-----	69	35	2,312	2,293
Fall River, Mass.-----	32	34	1,393	1,408	SOUTH ATLANTIC:				
Hartford, Conn.-----	41	45	2,553	2,564	Atlanta, Ga.-----	135	119	5,603	5,671
Lowell, Mass.-----	20	17	1,269	1,419	Baltimore, Md.-----	258	249	12,424	12,321
Lynn, Mass.-----	23	32	1,140	1,107	Charlotte, N. C.-----	37	36	1,809	1,756
New Bedford, Mass.-----	22	25	1,180	1,244	Jacksonville, Fla.-----	53	48	2,989	2,833
New Haven, Conn.-----	52	42	2,343	2,367	Miami, Fla.-----	46	63	3,525	2,612
Providence, R. I.-----	83	76	3,507	3,186	Norfolk, Va.-----	133	40	² 1,793	1,912
Somerville, Mass.-----	13	19	719	680	Richmond, Va.-----	86	77	3,803	3,847
Springfield, Mass.-----	48	48	2,141	2,175	Savannah, Ga.-----	33	41	1,647	1,569
Waterbury, Conn.-----	28	34	1,339	1,294	St. Petersburg, Fla.-----	(55)	(76)	(3,242)	---
Worcester, Mass.-----	74	49	2,712	2,771	Tampa, Fla.-----	54	51	³ 3,204	3,233
MIDDLE ATLANTIC:					EAST SOUTH CENTRAL:				
Albany, N. Y.-----	70	61	2,556	2,547	Birmingham, Ala.-----	85	129	4,429	4,159
Allentown, Pa.-----	34	35	1,657	1,930	Chattanooga, Tenn.-----	37	42	2,399	2,379
Buffalo, N. Y.-----	169	155	7,626	7,432	Knoxville, Tenn.-----	20	31	1,379	1,390
Camden, N. J.-----	47	41	2,108	2,075	Louisville, Ky.-----	100	114	5,549	5,473
Elizabeth, N. J.-----	26	28	1,483	1,443	Memphis, Tenn.-----	109	134	5,835	5,442
Erie, Pa.-----	34	27	1,817	1,847	Mobile, Ala.-----	46	50	1,969	1,885
Jersey City, N. J.-----	77	84	3,568	3,546	Montgomery, Ala.-----	39	21	1,695	1,580
Newark, N. J.-----	107	99	4,856	5,244	Nashville, Tenn.-----	56	44	2,972	3,002
New York City, N. Y.-----	1,722	1,719	82,582	82,246	WEST SOUTH CENTRAL:				
Paterson, N. J.-----	33	49	2,048	1,963	Austin, Tex.-----	29	33	1,615	1,536
Philadelphia, Pa.-----	473	522	25,282	24,955	Baton Rouge, La.-----	36	24	1,417	1,292
Pittsburgh, Pa.-----	165	173	9,548	9,474	Corpus Christi, Tex.-----	14	36	1,081	1,082
Reading, Pa.-----	25	25	1,091	1,198	Dallas, Tex.-----	127	124	5,879	5,647
Rochester, N. Y.-----	¹ 101	106	⁵ 5,148	5,080	El Paso, Tex.-----	35	32	1,861	1,646
Schenectady, N. Y.-----	23	35	1,163	1,204	Fort Worth, Tex.-----	74	85	3,118	3,248
Scranton, Pa.-----	38	47	1,781	1,930	Houston, Tex.-----	161	190	8,037	7,697
Syracuse, N. Y.-----	71	61	3,193	3,034	Little Rock, Ark.-----	76	54	2,692	2,692
Trenton, N. J.-----	37	43	2,319	2,290	New Orleans, La.-----	185	209	8,871	8,908
Utica, N. Y.-----	32	26	1,379	1,591	Oklahoma City, Okla.-----	59	87	3,449	3,196
Yonkers, N. Y.-----	37	28	1,553	1,523	San Antonio, Tex.-----	92	109	4,958	4,935
EAST NORTH CENTRAL:					SHREVEPORT, LA.-----				
Akron, Ohio-----	41	69	2,878	2,838	Tulsa, Okla.-----	44	70	2,525	2,423
Canton, Ohio-----	32	37	1,586	1,625	MOUNTAIN:				
Chicago, Ill.-----	822	769	38,403	39,098	Albuquerque, N. Mex.-----	28	27	1,423	1,327
Cincinnati, Ohio-----	168	182	8,179	7,806	Colorado Springs, Colo.-----	27	13	778	695
Cleveland, Ohio-----	217	226	10,548	10,757	Denver, Colo.-----	94	135	5,692	5,762
Columbus, Ohio-----	140	105	5,850	5,773	Ogden, Utah-----	10	12	735	650
Dayton, Ohio-----	76	73	3,666	3,689	Phoenix, Ariz.-----	35	69	2,309	1,694
Detroit, Mich.-----	346	324	16,269	16,682	Pueblo, Colo.-----	14	15	670	634
Evansville, Ind.-----	42	40	1,952	1,693	Balt Lake City, Utah-----	49	42	2,438	2,349
Flint, Mich.-----	45	30	1,923	1,929	Tucson, Ariz.-----	17	17	1,035	1,025
Fort Wayne, Ind.-----	32	31	1,782	1,883	PACIFIC:				
Gary, Ind.-----	² 27	25	² 1,593	1,482	Berkeley, Calif.-----	19	22	946	1,004
Grand Rapids, Mich.-----	47	42	2,083	2,086	Fresno, Calif.-----	(35)	(57)	(2,062)	---
Indianapolis, Ind.-----	132	152	6,565	6,248	Glendale, Calif.-----	(34)	(28)	(1,686)	---
Madison, Wis.-----	(35)	(40)	(1,665)	(1,632)	Long Beach, Calif.-----	60	63	2,819	2,807
Milwaukee, Wis.-----	127	111	6,617	6,763	Los Angeles, Calif.-----	522	504	24,624	24,479
Peoria, Ill.-----	35	38	1,610	1,540	Oakland, Calif.-----	104	98	4,788	4,840
Rockford, Ill.-----	(32)	(20)	(1,337)	(1,350)	Pasadena, Calif.-----	42	34	1,769	1,806
South Bend, Ind.-----	27	27	1,368	1,350	Portland, Oreg.-----	124	104	5,105	4,990
Toledo, Ohio-----	129	95	4,980	4,933	Sacramento, Calif.-----	55	70	2,691	2,655
Youngstown, Ohio-----	44	44	2,675	2,872	San Diego, Calif.-----	79	79	4,172	4,100
WEST NORTH CENTRAL:					SAN FRANCISCO, CALIF.-----				
Des Moines, Iowa-----	75	61	2,786	2,865	San Jose, Calif.-----	(20)	(33)	(1,172)	---
Duluth, Minn.-----	46	23	1,295	1,391	Seattle, Wash.-----	138	147	6,879	6,730
Kansas City, Kans.-----	36	32	1,459	1,458	Spokane, Wash.-----	41	40	2,329	2,393
Kansas City, Mo.-----	131	128	6,170	6,135	Tacoma, Wash.-----	50	27	2,009	2,011
Lincoln, Nebr.-----	(31)	(25)	(1,270)	---	HONOLULU, HAWAII-----				
Minneapolis, Minn.-----	139	135	6,444	6,543	(38)	(45)	(1,866)	(1,931)	
Omaha, Nebr.-----	71	80	3,529	3,548					

¹Estimated.

²Includes estimate for current week.

Symbols.—Parentheses [()] : data not included in table 3; 3 dashes [---] : data not available.

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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 Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting on these diseases. In addition, 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 at the end of table 1.

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