

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 12, 1959

Incidence of paralytic poliomyelitis continues to be higher than last year. For the current week a total of 110 cases, of which 85 were paralytic, was reported as compared with 89 and 59, respectively, for the same week in 1958.

Five cases of diphtheria were reported in Kansas for the current week. These are the first cases reported in that State this year. The cumulative total number of cases of diphtheria for the United States continues to be slightly higher than in 1958, but the total during the present disease year is somewhat less than for the preceding disease year.

EPIDEMIOLOGICAL REPORTS

Salmonellosis

Robert M. Scott, Illinois State Department of Public Health, investigated an outbreak of salmonellosis following a church supper. The food was supplied by a special catering service

which served turkey, dressing, mashed potatoes, and gravy. The food was served cafeteria style and the youth group of the church waited on tables with rolls, coffee, and additional helpings of various foods. Twenty-five of 200 persons attending the supper became ill with symptoms of nausea, vomiting, chills, fever, and diarrhea from 5 to 6 hours after eating. No food samples were available for laboratory study. *Salmonella oranienburg* was isolated from a stool specimen from 1 person. It was reported that all the affected persons were seated in groups at tables.

F. A. Listick, Los Angeles City Health Department, reported that 37 of 40 persons eating the suspect food, beef roulades, became ill from 12 to 35 hours after eating a meal on board an airplane. Stool specimens were obtained from 32 ill persons and 17 of these were found to be positive for *Salmonella typhimurium*. Specimens were also obtained from

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)	49th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Dec. 12, 1959	Ended Dec. 13, 1958	Median 1954-58	First 49 weeks			Since seasonal low week			
				1959	1958	Median 1954-58	1958-59	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	-	-	-	12	15	20	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	1	22	4	11	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	9	13	21	687	768	1,043	(1)	(1)	(1)	(1)
Diphtheria-----055	27	21	46	854	838	1,480	466	516	698	July 1
Encephalitis, infectious-----082	40	33	26	2,093	2,265	1,846	1,512	1,671	1,290	June 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	526	305	332	21,602	14,506	17,971	6,824	4,425	4,460	Sept. 1
Malaria-----110-117	-	3	4	69	73	230	(1)	(1)	(1)	(1)
Measles-----085	4,274	5,384	3,875	388,849	740,863	587,256	26,564	36,119	28,406	Sept. 1
Meningococcal infections-----057	50	57	60	2,107	2,448	2,502	543	728	759	Sept. 1
Meningitis, other-----340	2137	77	-	5,372	4,218	-	-	-	-	-
Poliomyelitis-----080	110	89	100	8,383	5,828	15,153	8,115	5,641	14,174	Apr. 1
Paralytic-----080.0, 080.1	85	59	59	5,514	2,990	6,564	5,327	2,887	6,033	Apr. 1
Nonparalytic-----080.2	19	14	26	2,171	1,973	5,824	2,126	1,914	5,562	Apr. 1
Unspecified-----080.3	6	16	21	698	865	2,765	662	840	2,579	Apr. 1
Psittacosis-----096.2	2	2	6	111	137	265	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	4	5	5	(1)	(1)	(1)	(1)
Typhoid fever-----040	16	18	23	834	1,020	1,646	710	854	1,356	Apr. 1
Typhus fever, endemic-----101	-	2	2	45	70	112	39	59	88	Apr. 1
Rabies in animals-----	85	56	78	3,697	4,280	4,449	838	693	797	Oct. 1

¹Data show no pronounced seasonal change in incidence.

²Includes 36 cases of aseptic meningitis; see footnotes to table 2.

Morbidity and Mortality Weekly Report**EPIDEMIOLOGICAL REPORTS—Continued**

90 foodhandling personnel at the airline's flight kitchen. Only 1 employee gave a positive specimen and this was identified as S. typhimurium. This foodhandler had a history of having stomach cramps and constipation about a month prior to the outbreak. This was thought to be an illness due to nervousness. The foodhandler worked with the already cooked beef roulades, placing them into casserole dishes.

Gastroenteritis

Mr. P. M. Manson, Tulare County Health Department, California, reported an outbreak of gastroenteritis in which 40 persons became ill. The suspected vehicle was turkey and dressing served to about 600 persons. The turkeys were removed from a locker plant to a hall where they were stuffed and taken to a bakery to be roasted. The turkeys were sliced in the morning and then held in warmers at a relatively low temperature until evening when they were served at a banquet. Some leftovers were served the next day to schoolchildren who did not become ill. The outbreak was reported 2 days after occurrence of the illness. Many coagulase-negative staphylo-

cocci were isolated from specimens of the turkey meat and dressing. However, the significance of the laboratory findings are considered to be equivocal since the food was unrefrigerated for a long time before specimens were obtained. Ample evidence of poor food-handling practices were evident during the investigation.

Staphylococcal food poisoning

The Los Angeles County Health Department has reported the occurrence of 5 cases of food poisoning in 2 families whose members had eaten cake with a custard filling. Each family had purchased a cake made in a single bakery. The incubation period was 3 to 5 hours. Coagulase-positive hemolytic staphylococci were isolated in numbers too numerous to count from the cake filler which was made with sugar, whole eggs, starch, and butter. The cakes were not refrigerated after icing or during the period of delivery.

QUARANTINE MEASURESImmunization Information for International Travel

No changes reported.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 13, 1958, AND DECEMBER 12, 1959

(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,N998.5 pt.			
	044		49th week		Cumulative first 49 weeks		082				Cumulative first weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES-----	9	13	27	21	854	838	40	33	526	305	21,602	14,506
NEW ENGLAND-----	1	2	-	-	5	8	-	-	28	19	719	584
Maine-----	-	-	-	-	-	-	-	-	-	6	90	76
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	15	2
Vermont-----	-	1	-	-	-	-	-	-	-	-	27	32
Massachusetts-----	1	1	-	-	5	7	-	-	23	6	373	289
Rhode Island-----	-	-	-	-	-	-	-	-	1	1	72	68
Connecticut-----	-	-	-	-	-	1	-	-	4	5	142	117
MIDDLE ATLANTIC-----	-	-	-	1	49	37	12	7	91	42	3,203	2,029
New York-----	-	-	-	-	25	17	8	4	58	24	1,928	1,366
New Jersey-----	-	-	-	1	10	4	-	-	5	6	322	163
Pennsylvania-----	-	-	-	-	14	16	4	3	28	12	953	500
EAST NORTH CENTRAL-----	1	2	1	1	32	42	6	6	92	70	3,311	2,462
Ohio-----	-	-	-	1	11	11	1	1	32	29	963	786
Indiana-----	-	1	1	-	5	15	-	3	11	6	318	221
Illinois-----	-	-	-	-	10	9	5	1	24	13	755	593
Michigan-----	-	-	-	-	4	6	-	1	19	13	1,064	635
Wisconsin-----	1	1	-	-	2	1	-	-	6	9	211	227
WEST NORTH CENTRAL-----	5	8	5	2	63	134	4	5	26	21	1,646	1,191
Minnesota-----	1	2	-	1	22	70	2	-	4	6	404	183
Iowa-----	3	2	-	-	3	14	-	1	1	-	143	199
Missouri-----	-	-	-	-	8	14	-	-	12	4	419	238
North Dakota-----	-	-	-	-	2	4	2	-	8	7	363	230
South Dakota-----	-	1	-	1	3	18	-	1	-	1	74	17
Nebraska-----	1	-	-	-	20	12	-	-	-	1	81	84
Kansas-----	-	3	5	-	5	2	-	3	1	2	162	240
SOUTH ATLANTIC-----	2	1	5	1	273	274	1	3	46	22	1,938	1,138
Delaware-----	-	-	-	-	-	3	-	-	9	2	134	57
Maryland-----	-	-	-	-	8	2	-	-	5	6	388	165
District of Columbia-----	-	-	-	-	-	27	-	-	-	-	19	20
Virginia-----	-	-	-	-	14	17	1	1	8	2	484	272
West Virginia-----	-	-	-	-	3	25	-	-	5	5	306	156
North Carolina-----	1	-	1	-	24	34	-	-	2	2	118	63
South Carolina-----	-	-	-	-	30	73	-	1	-	1	51	42
Georgia-----	1	1	-	1	109	72	-	1	3	3	128	133
Florida-----	-	-	4	-	85	21	-	-	14	1	310	230
EAST SOUTH CENTRAL-----	-	-	6	5	112	95	1	2	55	30	2,253	1,194
Kentucky-----	-	-	-	-	9	5	-	-	29	16	1,160	583
Tennessee-----	-	-	1	-	10	11	-	1	13	3	485	307
Alabama-----	-	-	3	2	49	47	-	1	12	10	459	219
Mississippi-----	-	-	2	3	44	32	1	-	1	1	149	85
WEST SOUTH CENTRAL-----	-	-	9	10	285	187	1	-	41	17	1,722	1,094
Arkansas-----	-	-	4	3	38	40	-	-	-	3	81	102
Louisiana-----	-	-	2	3	88	68	-	-	1	-	115	12
Oklahoma-----	-	-	2	-	9	22	-	-	10	1	257	150
Texas-----	-	-	5	3	150	57	1	-	30	13	1,269	830
MOUNTAIN-----	-	-	1	1	20	48	1	-	63	35	2,810	2,009
Montana-----	-	-	-	-	-	8	-	-	2	7	263	403
Idaho-----	-	-	-	-	-	1	-	-	10	7	354	201
Wyoming-----	-	-	-	-	-	2	-	-	4	2	60	21
Colorado-----	-	-	1	-	8	12	-	-	2	6	823	302
New Mexico-----	-	-	-	1	8	22	-	-	28	4	521	334
Arizona-----	-	-	-	-	2	3	1	-	9	5	552	470
Utah-----	-	-	-	-	-	-	-	-	5	4	212	176
Nevada-----	-	-	-	-	2	-	-	-	3	-	25	102
PACIFIC-----	-	-	-	-	15	13	14	10	84	49	4,000	2,805
Alaska-----	-	(-)	-	(-)	5	(-)	-	(-)	-	(1)	71	(74)
Washington-----	-	-	-	-	-	-	1	-	4	10	539	436
Oregon-----	-	-	-	-	4	8	-	-	23	10	854	432
California-----	-	-	-	-	6	5	13	10	57	29	2,536	1,937
Hawaii-----	-	-	-	-	2	-	-	-	-	-	47	64
Puerto Rico-----	-	-	13	1	45	51	-	-	77	2	366	173

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 13, 1958, AND DECEMBER 12, 1959—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 ¹				Paralytic 080.0,080.1				Nonparalytic		085	
	49th week		Cumulative first 49 weeks		49th week		Cumulative first 49 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES-----	110	89	8,383	5,828	85	59	5,514	2,990	19	14	4,274	5,384
NEW ENGLAND-----	2	-	387	90	1	-	296	55	-	-	300	366
Maine-----	1	-	85	4	1	-	85	4	-	-	70	7
New Hampshire-----	-	-	5	4	-	-	4	-	-	-	-	4
Vermont-----	-	-	10	6	-	-	8	5	-	-	14	133
Massachusetts-----	1	-	156	30	-	-	109	14	-	-	194	131
Rhode Island-----	-	-	10	3	-	-	7	3	-	-	1	-
Connecticut-----	-	-	121	43	-	-	83	29	-	-	21	91
MIDDLE ATLANTIC-----	12	7	821	696	10	4	544	380	2	1	321	1,285
New York-----	8	2	504	287	6	1	311	174	2	1	238	1,119
New Jersey-----	1	2	136	290	1	-	91	112	-	-	43	228
Pennsylvania-----	3	3	181	119	3	3	142	94	-	-	40	938
EAST NORTH CENTRAL-----	14	13	1,256	2,054	9	4	562	788	2	-	1,106	716
Ohio-----	3	8	273	393	1	-	121	112	-	-	122	193
Indiana-----	2	-	153	139	-	-	103	80	1	-	88	122
Illinois-----	2	2	313	239	2	1	162	88	-	-	423	124
Michigan-----	3	2	457	1,221	2	2	142	480	1	-	206	152
Wisconsin-----	4	1	60	60	4	1	34	28	-	-	267	125
WEST NORTH CENTRAL-----	9	6	1,556	403	5	5	822	217	4	1	132	698
Minnesota-----	1	-	247	32	1	-	201	25	-	-	27	6
Iowa-----	5	-	458	70	3	-	206	26	2	-	19	514
Missouri-----	2	6	504	179	1	5	274	133	1	1	8	24
North Dakota-----	-	-	16	43	-	-	9	24	-	-	76	128
South Dakota-----	-	-	13	14	-	-	-	1	-	-	-	8
Nebraska-----	1	-	136	34	-	-	69	4	1	-	2	18
Kansas-----	-	-	182	31	-	-	63	4	-	-	(*)	(*)
SOUTH ATLANTIC-----	22	14	1,277	844	18	12	1,010	478	4	-	139	332
Delaware-----	-	2	9	29	-	2	7	18	-	-	13	2
Maryland-----	-	-	44	27	1	-	41	22	1	-	18	61
District of Columbia-----	-	-	6	6	-	-	5	4	-	-	2	-
Virginia-----	2	8	286	155	2	6	246	128	-	-	65	92
West Virginia-----	4	3	193	207	4	3	161	132	-	-	9	104
North Carolina-----	6	1	285	98	6	1	240	38	-	-	-	14
South Carolina-----	-	-	90	33	-	-	48	21	-	-	5	1
Georgia-----	6	-	169	56	5	-	130	30	1	-	6	36
Florida-----	2	-	195	233	-	-	132	85	2	-	21	22
EAST SOUTH CENTRAL-----	14	16	867	378	11	9	659	193	3	5	254	411
Kentucky-----	8	6	112	77	5	3	86	62	3	3	170	150
Tennessee-----	3	8	385	126	3	6	290	56	-	2	65	234
Alabama-----	-	2	249	59	-	-	211	41	-	-	14	22
Mississippi-----	3	-	121	116	3	-	72	34	-	-	5	5
WEST SOUTH CENTRAL-----	11	25	1,130	765	9	21	742	515	2	4	732	239
Arkansas-----	2	2	302	31	1	2	230	29	1	-	7	38
Louisiana-----	3	-	144	79	3	-	102	54	-	-	1	-
Oklahoma-----	3	-	157	58	3	-	89	23	-	-	17	2
Texas-----	3	23	527	597	2	19	321	409	1	4	707	199
MOUNTAIN-----	4	3	200	204	2	1	112	94	-	1	549	684
Montana-----	1	2	13	68	1	1	5	42	-	1	69	308
Idaho-----	-	-	8	12	-	-	-	-	-	-	87	15
Wyoming-----	-	-	2	13	-	-	1	1	-	-	5	40
Colorado-----	-	-	26	20	-	-	18	15	-	-	19	201
New Mexico-----	1	-	44	39	1	-	27	16	-	-	292	26
Arizona-----	2	-	88	34	-	-	53	14	-	-	8	48
Utah-----	-	-	12	12	-	-	4	4	-	-	69	45
Nevada-----	-	1	7	6	-	-	-	2	-	-	-	1
PACIFIC-----	22	5	889	394	20	3	767	270	2	2	741	653
Alaska-----	-	(-)	28	(2)	-	(-)	14	(1)	-	(-)	44	(45)
Washington-----	7	-	209	38	7	-	209	3	-	-	361	98
Oregon-----	3	-	179	39	2	-	141	26	1	-	128	110
California-----	12	5	473	317	11	3	403	241	1	2	208	445
Hawaii-----	-	1	5	76	-	1	5	76	-	-	285	6
Puerto Rico-----	4	-	8	59	4	-	7	56	-	-	11	95

¹Includes 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 DECEMBER 13, 1958, AND DECEMBER 12, 1959—Continued

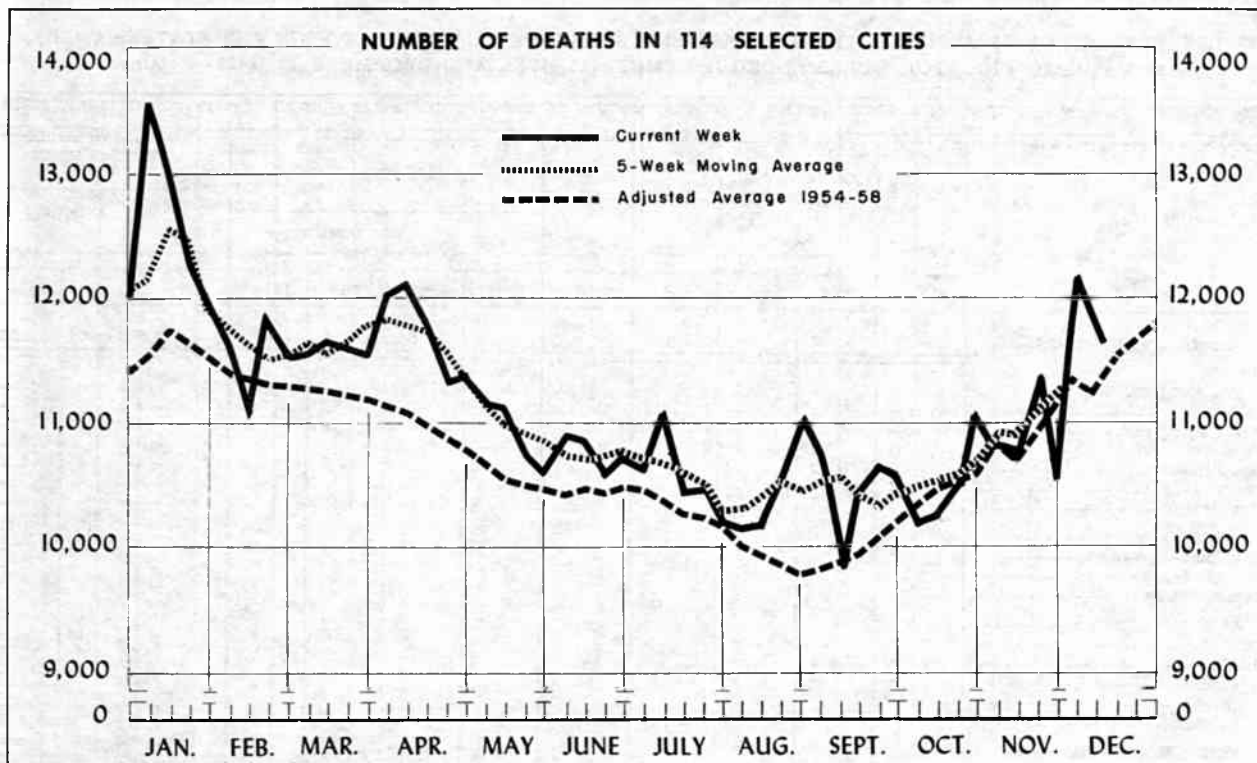
(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	MALARIA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	110-117	057		340	096.2	49th week		Cumulative first 49 weeks		101	1959	1958
	1959	1959	1958	1959	1959	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES-----	-	50	57	137	2	16	18	834	1,020	-	85	56
NEW ENGLAND-----	-	4	2	19	1	-	-	15	20	-	-	-
Maine-----	-	1	-	² 13	-	-	-	2	2	-	-	-
New Hampshire-----	-	-	1	-	-	-	-	-	1	-	-	-
Vermont-----	-	2	-	³ 1	-	-	-	-	-	-	-	-
Massachusetts-----	-	1	1	5	-	-	-	5	9	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	3	1	-	-	-
Connecticut-----	-	-	-	-	1	-	-	5	7	-	-	-
MIDDLE ATLANTIC-----	-	10	7	30	-	2	2	87	106	-	11	11
New York-----	-	7	4	⁴ 24	-	1	2	37	36	-	10	9
New Jersey-----	-	1	2	³ 6	-	-	-	13	25	-	-	-
Pennsylvania-----	-	2	1	-	-	1	-	37	45	-	1	2
EAST NORTH CENTRAL-----	-	11	9	37	-	-	4	104	109	-	11	5
Ohio-----	-	3	5	6	-	-	1	52	40	-	8	-
Indiana-----	-	1	1	10	-	-	-	16	20	-	1	2
Illinois-----	-	-	-	⁵ 13	-	-	2	21	24	-	-	-
Michigan-----	-	6	2	4	-	-	1	9	15	-	-	-
Wisconsin-----	-	1	1	³ 4	-	-	-	6	10	-	2	3
WEST NORTH CENTRAL-----	-	5	4	1	1	1	1	49	75	-	22	8
Minnesota-----	-	1	-	-	1	1	-	2	3	-	9	3
Iowa-----	-	-	1	-	-	-	1	9	15	-	6	1
Missouri-----	-	3	-	1	-	-	-	18	36	-	5	3
North Dakota-----	-	1	-	-	-	-	-	5	2	-	2	1
South Dakota-----	-	-	-	-	-	-	-	3	7	-	-	-
Nebraska-----	-	-	-	-	-	-	-	5	2	-	-	-
Kansas-----	-	-	3	-	-	-	-	7	10	-	-	-
SOUTH ATLANTIC-----	-	8	7	22	-	1	2	142	172	-	7	9
Delaware-----	-	-	-	-	-	-	-	3	5	-	-	-
Maryland-----	-	1	1	3	-	-	-	5	13	-	-	-
District of Columbia-----	-	-	-	1	-	-	-	4	6	-	-	-
Virginia-----	-	3	1	13	-	1	1	30	37	-	3	1
West Virginia-----	-	-	-	-	-	-	-	15	21	-	1	2
North Carolina-----	-	3	4	-	-	-	-	15	20	-	-	-
South Carolina-----	-	-	-	-	-	-	-	12	12	-	1	-
Georgia-----	-	-	1	2	-	-	-	30	35	-	2	6
Florida-----	-	1	-	³ 3	-	-	1	28	23	-	-	-
EAST SOUTH CENTRAL-----	-	1	15	7	-	6	2	123	128	-	7	10
Kentucky-----	-	1	2	2	-	5	-	28	39	-	4	2
Tennessee-----	-	-	3	3	-	1	-	58	36	-	2	5
Alabama-----	-	-	9	-	-	-	2	21	24	-	1	3
Mississippi-----	-	-	1	2	-	-	-	16	29	-	-	-
WEST SOUTH CENTRAL-----	-	3	1	13	-	2	1	180	227	-	23	10
Arkansas-----	-	1	-	-	-	-	-	³ 7	31	-	11	2
Louisiana-----	-	-	-	-	-	-	1	30	80	-	-	2
Oklahoma-----	-	1	-	2	-	-	-	17	11	-	-	-
Texas-----	-	1	1	11	-	2	-	96	105	-	12	6
MOUNTAIN-----	-	1	4	-	-	2	2	46	78	-	1	-
Montana-----	-	-	-	-	-	-	-	2	4	-	-	-
Idaho-----	-	-	-	-	-	-	1	7	8	-	-	-
Wyoming-----	-	-	-	-	-	-	-	7	4	-	-	-
Colorado-----	-	1	1	-	-	-	-	4	9	-	-	-
New Mexico-----	-	-	1	-	-	2	-	19	32	-	1	-
Arizona-----	-	-	2	-	-	-	-	6	12	-	-	-
Utah-----	-	-	-	-	-	-	-	1	-	-	-	-
Nevada-----	-	-	-	-	-	-	1	-	9	-	-	-
PACIFIC-----	-	7	8	8	-	2	4	88	105	-	3	3
Alaska-----	-	2	(-)	-	-	-	(-)	4	(-)	-	-	(-)
Washington-----	-	1	-	1	-	1	-	3	3	-	-	-
Oregon-----	-	1	1	1	-	-	-	7	13	-	-	-
California-----	-	3	7	³ 6	-	1	4	74	89	-	3	3
Hawaii-----	-	-	-	-	-	-	-	2	-	-	-	-
Puerto Rico-----	-	-	-	1	-	-	-	18	3	-	1	-

²Includes 10 cases of aseptic meningitis.
⁵Includes 2 cases of aseptic meningitis.

³Aseptic meningitis.

⁴Includes 4 cases 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	49th week ended Dec. 12, 1959	48th week ended Dec. 5, 1959	Adjusted average, 49th week 1954-58	Percent change, adjusted average to current week ¹	CUMULATIVE NUMBER FIRST 49 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	² 11,611	² 12,180	11,200	+3.7	² 544,656	540,952	+0.7
New England----- (14 cities)	2,690	739	721	-4.3	² 34,396	34,211	+0.5
Middle Atlantic----- (20 cities)	² 3,297	3,345	3,258	+1.2	² 156,661	155,978	+0.4
East North Central----- (19 cities)	² 2,345	² 2,634	2,429	-3.5	² 116,615	115,399	+1.1
West North Central----- (9 cities)	771	887	797	-3.3	38,001	38,330	-0.9
South Atlantic----- (11 cities)	1,058	1,136	931	+3.6	46,961	46,502	+1.0
East South Central----- (8 cities)	² 554	594	495	+1.9	² 25,012	25,219	-0.8
West South Central----- (13 cities)	1,099	1,042	902	+21.8	46,120	46,046	+0.2
Mountain----- (8 cities)	311	378	273	+13.9	15,245	14,456	+5.5
Pacific----- (12 cities)	1,486	1,425	1,377	+7.9	65,645	64,811	+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	49th week ended Dec. 12, 1959	48th week ended Dec. 5, 1959	CUMULATIVE NUMBER FIRST 49 WEEKS		AREA	49th week ended Dec. 12, 1959	48th week ended Dec. 5, 1959	CUMULATIVE NUMBER FIRST 49 WEEKS	
			1959	1958				1959	1958
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	238	286	11,753	11,726	St. Louis, Mo.-----	238	290	11,579	11,926
Bridgeport, Conn.-----	¹ 41	26	² 1,893	1,845	St. Paul, Minn.-----	65	72	3,189	3,442
Cambridge, Mass.-----	29	39	1,403	1,413	Wichita, Kans.-----	54	43	2,308	2,190
Fall River, Mass.-----	29	39	1,378	1,326	SOUTH ATLANTIC:				
Hartford, Conn.-----	42	49	2,387	2,454	Atlanta, Ga.-----	116	152	5,451	5,345
Lowell, Mass.-----	¹ 23	27	² 1,156	1,218	Baltimore, Md.-----	252	337	11,825	11,855
Lynn, Mass.-----	13	17	1,117	1,098	Charlotte, N. C.-----	40	45	1,812	1,727
New Bedford, Mass.-----	26	25	1,187	1,126	Jacksonville, Fla.-----	72	77	2,812	2,880
New Haven, Conn.-----	44	48	2,189	2,243	Miami, Fla.-----	94	84	3,423	3,411
Providence, R. I.-----	64	58	3,131	3,161	Norfolk, Va.-----	40	47	1,910	1,710
Somerville, Mass.-----	16	14	636	692	Richmond, Va.-----	94	66	3,814	3,651
Springfield, Mass.-----	42	34	2,153	2,043	Savannah, Ga.-----	33	36	1,598	1,584
Waterbury, Conn.-----	26	30	1,351	1,280	St. Petersburg, Fla.-----	(60)	(80)	(3,160)	(3,118)
Worcester, Mass.-----	57	47	2,662	2,586	Tampa, Fla.-----	79	51	3,016	3,071
MIDDLE ATLANTIC:					Washington, D. C.-----	196	199	9,477	9,465
Albany, N. Y.-----	45	48	2,444	2,437	Washington, Del.-----	42	42	1,823	1,803
Allentown, Pa.-----	42	28	1,669	1,582	EAST SOUTH CENTRAL:				
Buffalo, N. Y.-----	137	161	7,099	7,312	Birmingham, Ala.-----	98	110	4,053	4,263
Camden, N. J.-----	46	43	2,002	2,013	Chattanooga, Tenn.-----	61	61	2,255	2,319
Elizabeth, N. J.-----	¹ 29	26	² 1,468	1,412	Knoxville, Tenn.-----	20	34	1,379	1,315
Erie, Pa.-----	44	29	1,784	1,731	Louisville, Ky.-----	¹ 10	116	² 5,501	5,338
Jersey City, N. J.-----	78	77	3,538	3,404	Memphis, Tenn.-----	137	140	5,524	5,608
Newark, N. J.-----	108	130	4,891	4,642	Mobile, Ala.-----	39	36	1,893	1,885
New York City, N. Y.-----	1,702	1,756	80,330	79,016	Montgomery, Ala.-----	34	47	1,600	1,622
Paterson, N. J.-----	33	48	1,880	1,973	Nashville, Tenn.-----	55	50	2,807	2,869
Philadelphia, Pa.-----	525	471	23,728	24,326	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	153	172	8,985	9,234	Austin, Tex.-----	51	21	1,576	1,561
Reading, Pa.-----	¹ 25	24	² 1,070	1,047	Baton Rouge, La.-----	56	14	1,356	1,339
Rochester, N. Y.-----	85	110	4,742	4,932	Corpus Christi, Tex.-----	21	11	1,003	1,048
Schenectady, N. Y.-----	29	23	1,213	1,112	Dallas, Tex.-----	140	102	5,799	5,633
Scranton, Pa.-----	¹ 38	36	² 1,776	1,707	El Paso, Tex.-----	41	43	1,785	1,783
Syracuse, N. Y.-----	67	61	3,058	3,054	Fort Worth, Tex.-----	105	70	3,116	2,983
Trenton, N. J.-----	55	43	2,088	2,240	Houston, Tex.-----	164	171	7,605	7,690
Utica, N. Y.-----	31	29	1,380	1,328	Little Rock, Ark.-----	50	75	2,610	2,655
Yonkers, N. Y.-----	25	30	1,516	1,476	New Orleans, La.-----	184	215	8,331	8,448
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	79	105	3,458	3,311
Akron, Ohio-----	73	72	2,852	2,766	San Antonio, Tex.-----	87	115	4,636	4,760
Canton, Ohio-----	36	29	1,637	1,522	Shreveport, La.-----	50	30	2,437	2,395
Chicago, Ill.-----	753	827	36,942	36,751	Tulsa, Okla.-----	71	70	2,408	2,440
Cincinnati, Ohio-----	147	154	7,691	7,840	MOUNTAIN:				
Cleveland, Ohio-----	194	221	10,153	10,133	Albuquerque, N. Mex.-----	18	30	1,451	1,363
Columbus, Ohio-----	112	120	5,753	5,595	Colorado Springs, Colo.-----	13	22	763	738
Dayton, Ohio-----	85	87	3,350	3,499	Denver, Colo.-----	117	144	5,608	5,468
Detroit, Mich.-----	309	361	16,022	15,542	Ogden, Utah-----	13	17	727	705
Evansville, Ind.-----	46	33	1,791	1,856	Phoenix, Ariz.-----	55	71	2,497	2,223
Flint, Mich.-----	42	65	1,962	1,840	Pueblo, Colo.-----	11	14	678	643
Fort Wayne, Ind.-----	¹ 34	¹ 42	³ 1,776	1,714	Salt Lake City, Utah-----	63	61	2,382	2,337
Gary, Ind.-----	21	30	1,438	1,531	Tucson, Ariz.-----	21	19	1,139	979
Grand Rapids, Mich.-----	35	39	2,045	1,982	PACIFIC:				
Indianapolis, Ind.-----	147	147	6,688	6,308	Berkeley, Calif.-----	18	16	826	905
Madison, Wis.-----	(27)	(43)	(1,470)	(1,609)	Fresno, Calif.-----	(30)	(21)	(1,948)	(1,986)
Milwaukee, Wis.-----	119	156	6,274	6,361	Glendale, Calif.-----	(40)	(43)	(1,772)	(1,607)
Peoria, Ill.-----	26	31	1,436	1,552	Long Beach, Calif.-----	49	61	2,654	2,687
Rockford, Ill.-----	(19)	(24)	(1,331)	(1,273)	Los Angeles, Calif.-----	531	541	23,541	23,604
South Bend, Ind.-----	21	34	1,345	1,306	Oakland, Calif.-----	103	102	4,450	4,570
Toledo, Ohio-----	94	¹ 27	4,857	4,730	Pasadena, Calif.-----	44	38	1,553	1,688
Youngstown, Ohio-----	51	⁴ 59	⁴ 2,603	2,571	Portland, Oreg.-----	101	106	5,310	4,860
WEST NORTH CENTRAL:					Sacramento, Calif.-----	68	73	2,730	2,561
Des Moines, Iowa-----	47	53	2,597	2,649	San Diego, Calif.-----	94	99	4,007	4,010
Duluth, Minn.-----	30	39	1,253	1,228	San Francisco, Calif.-----	209	180	9,505	9,194
Kansas City, Kans.-----	26	37	1,737	1,425	San Jose, Calif.-----	(26)	(28)	(1,246)	(1,123)
Kansas City, Mo.-----	117	127	5,876	5,916	Seattle, Wash.-----	182	121	6,700	6,594
Lincoln, Nebr.-----	(32)	(38)	(1,296)	(1,218)	Spokane, Wash.-----	47	56	2,410	2,229
Minneapolis, Minn.-----	126	141	5,977	6,158	Tacoma, Wash.-----	40	32	1,959	1,909
Omaha, Nebr.-----	68	85	3,485	3,396	Honolulu, Hawaii-----	(37)	(66)	(1,872)	(1,791)

¹Estimated.

²Includes estimate for current week.

³Includes estimate for current week and previous week.

⁴Includes estimate for previous week.

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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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