Morbidity and Mortality Weekly Report

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

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended May 23, 1959

The 2 cases of botulism reported in the State of Washington followed the ingestion of home-canned, cold-packed beets. A housewife took the canned beets from her home in the eastern part of the State to a city in the western section where they were eaten.

The 19 cases of brucellosis reported in Iowa for the current week represent delayed reports.

Current mortality

Mortality from all causes reported by 114 cities for the current week was lower than last week and also lower than the average reported for the comparable weeks in 1954-58. This is the first time in 11 weeks that mortality has not been higher than average.

For influenza and pneumonia, the reported figure was lower than for the previous week, but still remained above the average. Deaths from these causes were higher than average for two geographic divisions, the South Atlantic and Pacific.

EPIDEMIOLOGICAL REPORTS

Erythema infectiosum

The Mississippi Morbidity Report, week ended May 15, states that there has been an outbreak of a mild to moderate illness accompanied by a rash, in a community in Sunflower County. The condition, tentatively called erythema infectiosum, has involved adults as well as children. Not all cases show the rash, which is variable in appearance from macular to scarlatiniform. Streptococcal organisms have not been isolated from laboratory specimens that have been collected. In

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

(See page 8 for source and nature of data)

DISEASE (Seventh Revision of International Lists, 1955)	20th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
				First 20 weeks			Since seasonal low week			
	Ended May 23, 1959[1]	Ended May 24, 1958	Median 1954-58	1959[1]	1958	Median 1954-58	1958-59[1]	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	[2]2	-	-	7	2	9	(3)	(3)	(3)	(3)
Botulism-----049.1	[4]2	-	-	5	2	2	(3)	(3)	(3)	(3)
Brucellosis (undulant fever)-----044	46	21	24	296	289	374	(3)	(3)	(3)	(3)
Diphtheria-----055	10	11	15	341	283	597	953	1,081	1,833	July 1
Encephalitis, infectious-----082	20	34	40	548	560	515	2,289	1,873	1,852	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	376	316	398	10,116	6,634	9,519	15,533	10,953	17,428	Sept. 1
Malaria-----110-117	-	1	6	25	21	77	(3)	(3)	(3)	(3)
Measles-----085	15,376	37,024	32,143	282,092	530,750	425,278	333,481	569,190	457,487	Sept. 1
Meningococcal infections-----057	44	43	56	1,087	1,180	1,331	1,950	2,189	2,298	Sept. 1
Meningitis, other-----340	[5]52	39	---	1,249	971	---	---	---	---	---
Poliomyelitis-----080	39	31	112	485	340	1,655	217	153	676	Apr. 1
Paralytic-----080.0,080.1	28	15	53	329	175	869	142	72	351	Apr. 1
Nonparalytic-----080.2	7	13	38	91	107	481	46	48	219	Apr. 1
Unspecified-----080.3	4	3	21	65	58	292	29	33	106	Apr. 1
Psittacosis-----096.2	3	1	8	48	58	125	(3)	(3)	(3)	(3)
Rabies in man-----094	-	-	-	-	2	2	(3)	(3)	(3)	(3)
Typhoid fever-----040	11	21	32	209	295	524	85	129	234	Apr. 1
Typhus fever, endemic-----101	1	1	4	11	17	33	5	6	18	Apr. 1
Rabies in animals-----	56	84	101	1,559	1,995	2,345	2,450	2,893	3,445	Oct. 1

[1]Data exclude report from Wyoming for the current week. [2]Reported in Kansas and New Jersey. [3]Data show no pronounced seasonal change in incidence. [4]Reported in Washington. [5]Includes 3 cases of aseptic meningitis; see footnotes to table 2.

EPIDEMIOLOGICAL REPORTS—Continued

Washington County, the occurrence of a similar illness has been reported. The disease is moderately severe and rash has been noted in some cases. Both children and adults are involved, but the adults usually have milder symptoms without the rash. The onset of the illness is usually associated with fever up to 102° F. and sore throat with follicular tonsillitis. The condition does not respond to treatment for bacterial infection. The illness is occurring in an area which last year had a high incidence of aseptic meningitis syndrome associated with ECHO 9 virus.

Staphylococcal food poisoning

The California State Department of Public Health reported 3 outbreaks of staphylococcal food poisoning following ingestion of ham. Four persons became ill with nausea, vomiting, diarrhea, chills, fever, and headache after eating ham sandwiches at a food stand at a carnival. Illness in one individual began about 45 minutes after eating; in the others, illness began from 3 to 4 hours after eating. The ham used in the sandwiches was boned ham, which was pressure cooked, then baked, cooled, and sliced in small amounts. The unsliced portion was refrigerated, but the sliced portion was placed on a tray, ready to be used in making the sandwiches. This ham remained out of refrigeration for a period up to 3 hours. Laboratory tests of samples of the ham were positive for staphylococcal organisms. The man who sliced and prepared the ham had two small, partially healed cuts on his finger.

In the second episode, 2 persons became ill within 2½ hours after eating baked beans and diced ham obtained from a delicatessen. Symptoms were cramps, vomiting, and diarrhea. A specimen of the food gave a plate count of 420 million colonies of coagulase-positive micrococci per gram. The history of the preparation of the food showed good food handling, except that the temperature of the baked beans and ham on the steam table was only 112° F.

The third report stated that 3 persons became ill after eating ham served at a market snackbar. Nausea, vomiting, diarrhea, cramps, dizziness, chills, and fever began from 30 minutes to 1 hour after eating. The ham was an imported canned ham marked "ready to eat." Usually the ham would be removed from the refrigerator at about 7 a.m. and placed on the service line where it was heated by infrared lights and a water jacket. On this particular day, however, due to alterations underway at the snackbar, the food was not removed from the refrigerator until 12:30 p.m. The clerk admitted that the food at the time of serving, about 2 p.m., was barely warm. Many colonies of golden-pigmented, coagulase-positive, gram-positive cocci were isolated from a sample of the ham.

Gastro-enteritis

Dr. Morris Greenberg, New York City Department of Health, has reported an outbreak of gastro-enteritis involving 30 of 43 persons who attended an anniversary party held in a restaurant. Symptoms of diarrhea, cramps, nausea, and vomiting began 12 to 20 hours after eating. Turkey, chow mein, or roast beef was the probable source of infection, although the roast beef, which was said to have been served 2 hours after preparation, was suspect. Sanitary conditions in the restaurant were good, and no skin lesions were noted on food handlers. Samples of food eaten at the party were not available for examination. Bacteriologic cultures of foods taken from the restaurant gave essentially negative results.

A number of reports of gastro-enteritis of undetermined etiology were received from the California State Department of Public Health. In an outbreak in a school, 21 of 222 persons became ill between 3 to 17 hours after eating a meal which included "porcupine" meatballs. The common symptoms were nausea and, usually, severe stomach cramps associated with diarrhea. The meatballs were made from ground meat mixed with Government surplus dried eggs, raw rice, tomato paste, and seasoning. The raw mixture was refrigerated overnight before being baked at 350° F. for 2½ hours. After baking, the meatballs were cooled for a period of 45 to 90 minutes prior to serving, and it was thought the incubation occurred during this time.

In another episode, 7 members of a schoolclass became ill from 15 minutes to 2 hours after eating muffins and hot chocolate. All of the ingredients used were from supplies used previously without bad results. An error in preparation of some of the muffins caused excess saltiness and an off flavor. The teacher, who was one of the food handlers, gave a history of recurrent nonspecific illness, insomnia, and fatigue.

Two outbreaks occurred following the ingestion of meals in private clubs. In one instance, symptoms began on an average of 10 hours after eating a meal in which turkey molle was the suspect food. The molle was prepared from a purchased molle paste and turkey which had been cooked the previous day. The mixture was boiled for 20 minutes and then kept at room temperature with occasional warming for 6 to 7 hours on the day of service. No typical food poisoning organisms were isolated from samples of the molle base and potato salad, but many miscellaneous organisms were found. In the other instance, cheese sauce for potatoes was the suspect food. The median incubation period was 14 hours. The entire establishment, where the food was prepared, was reported to be dirty, and cheese and flour were stored in open containers in a mouse-infested storage room.

Another outbreak occurred among persons who ate in a plant cafeteria. The suspect food was a pork gravy made from bulk soup or gravy stock stored in open containers on the floor of a walk-in refrigerator. Two other outbreaks occurred in private homes; illness followed the ingestion of leftover ham and a hamburger sandwich.

QUARANTINE MEASURES

Immunization Information for International Travel

No changes reported

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 24, 1958, AND MAY 23, 1959

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

AREA	BRUCELLOSIS (undulant fever) 044		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS 082		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
			20th week		Cumulative first 20 weeks				20th week		Cumulative first 20 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES[1]	46	21	10	11	341	283	20	34	376	316	10,116	6,634
NEW ENGLAND	-	-	-	-	4	5	1	5	15	5	329	228
Maine	-	-	-	-	-	-	-	-	5	-	59	41
New Hampshire	-	-	-	-	-	-	-	-	-	-	9	1
Vermont	-	-	-	-	-	-	-	-	-	-	17	7
Massachusetts	-	-	-	-	4	4	1	2	7	3	148	98
Rhode Island	-	-	-	-	-	-	-	3	1	2	34	36
Connecticut	-	-	-	-	-	1	-	-	2	-	62	45
MIDDLE ATLANTIC	-	-	2	-	34	27	6	10	67	44	1,452	775
New York	-	-	2	-	19	13	2	4	43	34	872	514
New Jersey	-		-	-	9	1	1	1	5	5	172	74
Pennsylvania	-	-	-	-	6	13	3	5	19	5	408	187
EAST NORTH CENTRAL	4	-	2	-	19	25	1	2	46	69	1,626	1,207
Ohio	-	-	1	-	6	6	-	-	15	10	486	360
Indiana	-	-	1	-	2	11	-	-	2	5	171	120
Illinois	3	-	-	-	8	3	1	-	16	22	326	330
Michigan	1	-	-	-	1	4	-	2	9	25	544	336
Wisconsin	-	-	-	-	2	1	-	-	4	7	99	61
WEST NORTH CENTRAL	29	13	2	7	32	39	1	1	25	31	813	634
Minnesota	2	1	2	1	16	5	-	-	5	-	188	67
Iowa	19	5	-	6	2	11	-	1	3	5	78	131
Missouri	-	1	-	-	3	12	-	-	5	6	211	104
North Dakota	-	-	-	-	1	1	-	-	4	15	177	102
South Dakota	-	2	-	-	3	3	-	-	-	-	7	7
Nebraska	-	1	-	-	7	7	-	-	1	-	45	42
Kansas	8	3	-	-	-	-	1	-	7	5	107	181
SOUTH ATLANTIC	3	3	-	1	75	75	1	6	36	21	941	468
Delaware	-	-	-	-	-	-	-	-	1	-	49	28
Maryland	-	-	-	-	1	3	1	2	11	1	243	46
District of Columbia	-	-	-	-	-	-	-	-	-	1	10	6
Virginia	1	-	-	-	4	12	-	1	3	5	179	114
West Virginia	-	-	-	1	1	4	-	-	2	3	197	82
North Carolina	1	-	-	-	6	12	-	1	2	1	50	22
South Carolina	-	1	-	-	4	8	-	1	-	-	14	32
Georgia	1	1	-	-	29	20	-	-	3	1	87	49
Florida	-	1	-	-	30	16	-	1	14	9	112	89
EAST SOUTH CENTRAL	4	2	-	-	43	19	-	2	31	24	963	621
Kentucky	3	1	-	-	4	1	-	1	11	9	451	305
Tennessee	-	1	-	-	4	3	-	-	10	7	226	171
Alabama	-	-	-	-	9	11	-	1	10	7	201	117
Mississippi	1	-	-	-	26	4	-	-	-	1	85	28
WEST SOUTH CENTRAL	2	-	4	3	122	65	4	-	31	32	762	523
Arkansas	-	-	-	1	31	12	1	-	-	6	35	56
Louisiana	1	-	1	-	39	5	-	-	6	-	76	4
Oklahoma	-	-	-	-	1	16	-	-	-	6	109	88
Texas	1	-	3	2	51	32	3	-	25	20	542	375
MOUNTAIN[1]	4	1	-	-	9	23	2	-	40	39	1,510	939
Montana	-	-	-	-	-	7	-	-	8	8	151	181
Idaho	1	-	-	-	-	1	-	-	4	2	164	79
Wyoming	---	-	---	-	[1]-	2	---	-	---	-	[1]42	3
Colorado	1	1	-	-	3	5	-	-	10	3	465	105
New Mexico	-	-	-	-	4	7	-	-	3	10	320	185
Arizona	2	-	-	-	1	1	2	-	12	4	270	192
Utah	-	-	-	-	-	-	-	-	3	11	84	103
Nevada	-	-	-	-	1	-	-	-	-	1	14	91
PACIFIC	-	2	-	-	3	5	4	8	85	51	1,720	1,239
Alaska	-	-	-	-	1	-	-	-	-	(2)	12	(60)
Washington	-	1	-	-	-	-	-	-	15	7	269	233
Oregon	-	-	-	-	1	1	-	-	18	9	346	159
California	-	1	-	-	1	4	4	8	52	35	1,093	847
Hawaii	-	-	-	-	1	-	-	-	-	-	23	23
Puerto Rico	-	-	-	1	11	24	-	-	-	9	87	73

[1]Data exclude report from Wyoming for the current week.

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 24, 1958, AND MAY 23, 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[2]				Paralytic 080.0,080.1				Nonparalytic			
	20th week		Cumulative first 20 weeks		20th week		Cumulative first 20 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES[1]	39	31	485	340	28	15	329	175	7	13	15,376	37,024
NEW ENGLAND	-	-	6	6	-	-	5	4	-	-	927	2,788
Maine	-	-	-	2	-	-	-	2	-	-	145	204
New Hampshire	-	-	-	-	-	-	-	-	-	-	6	36
Vermont	-	-	1	-	-	-	1	-	-	-	60	99
Massachusetts	-	-	4	1	-	-	3	-	-	-	231	1,674
Rhode Island	-	-	-	-	-	-	-	-	-	-	30	266
Connecticut	-	-	1	3	-	-	1	2	-	-	455	509
MIDDLE ATLANTIC	-	-	35	13	-	-	14	5	-	-	3,324	6,345
New York	-	-	26	11	-	-	11	5	-	-	993	2,735
New Jersey	-	-	6	2	-	-	2	-	-	-	1,211	1,732
Pennsylvania	-	-	3	-	-	-	1	-	-	-	1,120	1,878
EAST NORTH CENTRAL	5	1	40	29	2	-	21	11	1	-	2,096	11,624
Ohio	5	1	20	5	2	-	8	-	1	-	513	1,657
Indiana	-	-	3	2	-	-	1	1	-	-	183	975
Illinois	-	-	3	5	-	-	1	2	-	-	381	1,845
Michigan	-	-	11	13	-	-	8	6	-	-	480	3,233
Wisconsin	-	-	3	4	-	-	3	2	-	-	539	3,914
WEST NORTH CENTRAL	5	5	50	18	3	1	28	8	1	3	751	1,046
Minnesota	2	-	2	1	1	-	1	1	1	-	150	90
Iowa	-	1	1	4	-	1	1	2	-	-	201	306
Missouri	1	-	31	1	1	-	22	1	-	-	263	313
North Dakota	-	-	1	2	-	-	-	1	-	-	104	285
South Dakota	-	-	2	3	-	-	-	1	-	-	11	-
Nebraska	1	4	6	6	1	-	4	2	-	3	22	52
Kansas	1	-	7	1	-	-	-	-	-	-	(*)	(*)
SOUTH ATLANTIC	9	5	106	67	8	2	78	33	1	2	1,742	3,308
Delaware	-	-	2	1	-	-	2	1	-	-	19	12
Maryland	-	-	-	-	-	-	-	-	-	-	99	135
District of Columbia	-	-	1	1	-	-	-	1	-	-	34	63
Virginia	2	-	6	3	2	-	6	3	-	-	752	1,059
West Virginia	-	-	14	6	-	-	10	5	-	-	371	754
North Carolina	-	3	7	13	-	1	5	4	-	2	146	106
South Carolina	1	-	8	3	1	-	6	2	-	-	39	557
Georgia	1	-	4	6	1	-	4	4	-	-	31	247
Florida	5	2	64	34	4	1	45	13	1	-	251	375
EAST SOUTH CENTRAL	1	4	38	36	1	3	23	18	-	1	918	2,370
Kentucky	-	1	8	15	-	1	6	9	-	-	394	919
Tennessee	1	3	13	8	1	2	8	4	-	1	356	1,020
Alabama	-	-	1	5	-	-	-	4	-	-	87	398
Mississippi	-	-	16	8	-	-	9	1	-	-	81	33
WEST SOUTH CENTRAL	10	10	107	69	7	5	82	47	3	5	1,448	4,293
Arkansas	-	1	18	5	-	-	18	4	-	1	5	36
Louisiana	-	-	14	6	-	-	12	5	-	-	4	9
Oklahoma	1	-	4	4	-	-	2	2	1	-	34	561
Texas	9	9	71	54	7	5	50	36	2	4	1,405	3,687
MOUNTAIN[1]	5	2	20	34	5	1	13	13	-	1	1,663	2,551
Montana	-	1	-	4	-	1	-	1	-	-	47	435
Idaho	-	-	-	-	-	-	-	-	-	-	55	210
Wyoming	---	-	[1]1	2	---	-	[1]-	1	---	-	---	29
Colorado	-	-	2	5	-	-	2	4	-	-	372	843
New Mexico	-	-	5	10	-	-	1	3	-	-	170	190
Arizona	5	-	10	8	5	-	10	3	-	-	376	625
Utah	-	1	2	3	-	-	-	1	-	1	642	217
Nevada	-	-	-	2	-	-	-	-	-	-	1	2
PACIFIC	4	4	83	68	2	3	65	36	1	1	2,507	2,699
Alaska	-	-	-	(1)	-	-	-	(1)	-	-	19	(24)
Washington	1	-	6	6	-	-	-	-	-	-	679	482
Oregon	1	-	8	5	-	-	6	3	1	-	284	356
California	2	4	69	57	2	3	59	33	-	1	1,525	1,861
Hawaii	-	1	4	8	-	1	4	8	-	-	60	9
Puerto Rico	-	2	3	35	-	2	3	32	-	-	96	78

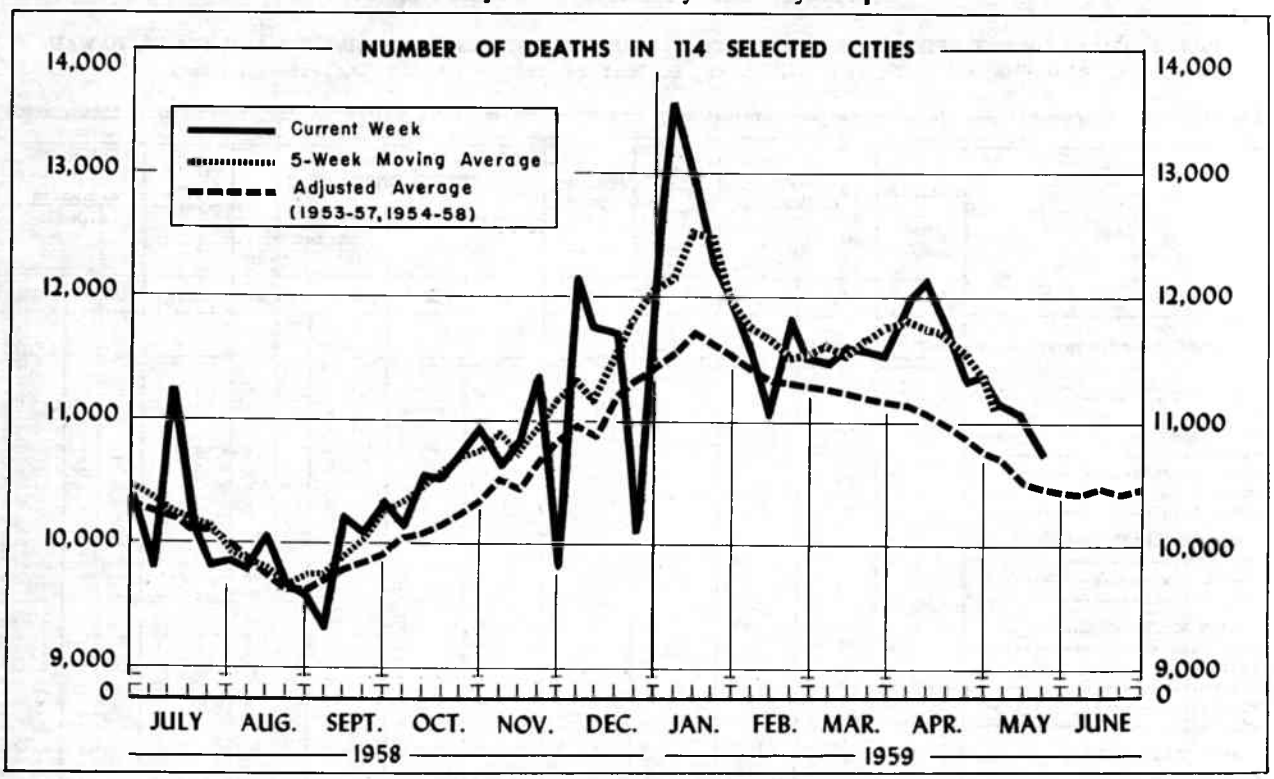
[1]Data exclude report from Wyoming for the current week.
[2]Includes cases not specified by type, category number 080.3.

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 24, 1958, AND MAY 23, 1959—Continued

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

AREA	MALARIA 110-117	MENINGOCOCCAL INFECTIONS 057		MENINGITIS, OTHER 340	PSITTACOSIS 096.2	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC 101	RABIES IN ANIMALS	
						20th week		Cumulative first 20 weeks				
	1959	1959	1958	1959	1959	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES[1]	-	44	43	52	3	11	21	209	295	1	56	84
NEW ENGLAND	-	2	2	9	1	-	1	3	5	-	-	-
Maine	-	-	1	-	-	-	-	-	1	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	1	1	6	-	-	-	1	2	-	-	-
Rhode Island	-	1	-	3	-	-	-	1	-	-	-	-
Connecticut	-	-	-	-	1	-	1	1	2	-	-	-
MIDDLE ATLANTIC	-	10	3	-	-	-	-	22	41	-	5	8
New York	-	3	3	-	-	-	-	8	8	-	5	5
New Jersey	-	1	-	-	-	-	-	5	8	-	-	-
Pennsylvania	-	6	-	-	-	-	-	9	25	-	-	3
EAST NORTH CENTRAL	-	9	15	10	1	1	1	24	23	-	8	13
Ohio	-	4	3	-	-	-	1	12	8	-	-	3
Indiana	-	1	3	1	-	1	-	4	6	-	5	4
Illinois	-	1	5	8	-	-	-	4	1	-	1	-
Michigan	-	1	4	1	-	-	-	3	4	-	1	1
Wisconsin	-	2	-	-	1	-	-	1	4	-	1	5
WEST NORTH CENTRAL	-	3	3	3	1	2	4	10	30	-	14	20
Minnesota	-	-	-	2	1	-	-	-	2	-	6	10
Iowa	-	1	-	-	-	-	-	-	4	-	3	5
Missouri	-	1	2	-	-	1	2	5	15	-	2	4
North Dakota	-	-	-	-	-	-	1	1	1	-	-	-
South Dakota	-	-	-	-	-	-	1	1	2	-	-	-
Nebraska	-	-	-	-	-	-	-	-	1	-	3	1
Kansas	-	1	1	1	-	1	-	3	5	-	-	-
SOUTH ATLANTIC	-	5	6	8	-	1	6	46	51	1	12	15
Delaware	-	-	-	1	-	-	-	-	-	-	-	-
Maryland	-	-	-	1	-	-	1	-	3	-	-	-
District of Columbia	-	-	1	-	-	-	-	1	2	-	-	-
Virginia	-	1	1	2	-	-	1	11	5	-	3	1
West Virginia	-	-	-	1	-	-	1	2	8	-	-	2
North Carolina	-	2	2	-	-	-	-	5	10	-	2	1
South Carolina	-	1	-	-	-	-	3	4	6	-	-	5
Georgia	-	-	1	-	-	1	-	7	7	1	4	6
Florida	-	1	1	[3]3	-	-	-	16	10	-	3	-
EAST SOUTH CENTRAL	-	4	4	8	-	2	-	20	30	-	5	11
Kentucky	-	-	-	4	-	-	-	4	7	-	2	6
Tennessee	-	1	2	2	-	1	-	8	8	-	2	1
Alabama	-	3	2	-	-	1	-	3	8	-	1	4
Mississippi	-	-	-	2	-	-	-	5	7	-	-	-
WEST SOUTH CENTRAL	-	3	9	6	-	3	7	41	73	-	11	12
Arkansas	-	-	2	-	-	-	-	7	2	-	5	1
Louisiana	-	2	4	-	-	-	3	7	38	-	-	-
Oklahoma	-	-	2	-	-	-	1	6	5	-	-	1
Texas	-	1	1	6	-	3	3	21	28	-	6	10
MOUNTAIN[1]	-	2	-	2	-	-	-	13	14	-	-	-
Montana	-	-	-	-	-	-	-	1	2	-	-	-
Idaho	-	-	-	-	-	-	-	2	4	-	-	-
Wyoming	---	---	-	---	---	---	-	[1]1	-	---	---	-
Colorado	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico	-	-	-	-	-	-	-	5	7	-	-	-
Arizona	-	2	-	-	-	-	-	4	1	-	-	-
Utah	-	-	-	2	-	-	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	-	6	1	6	-	2	2	30	28	-	1	5
Alaska	-	-	-	-	-	-	-	1	-	-	-	-
Washington	-	1	-	4	-	-	-	1	-	-	-	-
Oregon	-	-	-	-	-	-	-	1	6	-	-	-
California	-	5	1	[4]2	-	2	2	27	22	-	1	5
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	1	2	11	-	-	1

[1]Data exclude report from Wyoming for the current week.
[3]Includes 1 case of aseptic meningitis.
[4]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	20th week ended May 23, 1959	19th week ended May 16, 1959	Adjusted average, 20th week 1954-58	Percent change, adjusted average to current week[1]	CUMULATIVE NUMBER FIRST 20 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES	[2]10,753	11,111	10,460	+2.8	[2]234,782	239,097	-1.8
New England (14 cities)	714	713	682	+4.7	14,988	15,062	-0.5
Middle Atlantic (20 cities)	3,114	3,295	3,069	+1.5	68,815	69,559	-1.1
East North Central (19 cities)	2,218	2,435	2,287	-3.0	49,874	50,840	-1.9
West North Central (9 cities)	780	747	736	+6.0	16,385	16,954	-3.4
South Atlantic (11 cities)	946	971	859	+10.1	19,976	21,122	-5.4
East South Central (8 cities)	466	474	464	+0.4	10,528	11,411	-7.7
West South Central (13 cities)	860	844	816	+5.4	19,346	19,970	-3.1
Mountain (8 cities)	[2]287	323	249	+15.3	[2]6,588	6,137	+7.3
Pacific (12 cities)	1,368	1,309	1,270	+7.7	28,282	28,042	+0.9

[1]Adjusted average used as base.
[2]Includes estimates for missing cities.

Table 4. DEATHS IN SELECTED CITIES

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

AREA	20th week ended May 23, 1959	19th week ended May 16, 1959	CUMULATIVE NUMBER FIRST 20 WEEKS 1959	1958
NEW ENGLAND:				
Boston, Mass.	248	218	5,116	5,142
Bridgeport, Conn.	41	40	833	849
Cambridge, Mass.	31	24	590	618
Fall River, Mass.	26	37	607	589
Hartford, Conn.	41	60	1,030	1,086
Lowell, Mass.	25	21	473	569
Lynn, Mass.	29	19	490	437
New Bedford, Mass.	28	16	493	518
New Haven, Conn.	46	49	950	1,012
Providence, R. I.	61	52	1,420	1,376
Somerville, Mass.	13	15	290	290
Springfield, Mass.	33	52	943	875
Waterbury, Conn.	24	34	575	572
Worcester, Mass.	68	76	1,178	1,129
MIDDLE ATLANTIC:				
Albany, N. Y.	37	68	1,186	1,076
Allentown, Pa.	40	30	763	701
Buffalo, N. Y.	177	144	3,033	3,287
Camden, N. J.	40	56	854	935
Elizabeth, N. J.	47	29	614	625
Erie, Pa.	42	42	777	716
Jersey City, N. J.	89	56	1,622	1,543
Newark, N. J.	81	85	2,145	2,049
New York City, N. Y.	1,636	1,677	35,299	35,123
Paterson, N. J.	34	40	814	916
Philadelphia, Pa.	410	504	10,540	10,954
Pittsburgh, Pa.	124	204	3,848	4,226
Reading, Pa.	31	20	470	450
Rochester, N. Y.	109	93	2,029	2,164
Schenectady, N. Y.	20	27	492	478
Scranton, Pa.	40	40	846	752
Syracuse, N. Y.	63	63	1,305	1,286
Trenton, N. J.	47	43	922	1,070
Utica, N. Y.	29	32	599	571
Yonkers, N. Y.	18	42	657	637
EAST NORTH CENTRAL:				
Akron, Ohio	52	71	1,230	1,215
Canton, Ohio	31	39	693	632
Chicago, Ill.	701	767	15,876	16,309
Cincinnati, Ohio	128	169	3,309	3,503
Cleveland, Ohio	235	223	4,317	4,499
Columbus, Ohio	88	96	2,320	2,453
Dayton, Ohio	65	73	1,403	1,555
Detroit, Mich.	287	358	6,831	6,719
Evansville, Ind.	37	34	788	836
Flint, Mich.	43	37	838	787
Fort Wayne, Ind.	36	30	754	763
Gary, Ind.	25	29	629	683
Grand Rapids, Mich.	31	52	880	882
Indianapolis, Ind.	158	131	3,004	2,634
Madison, Wis.	(35)	(35)	(590)	(670)
Milwaukee, Wis.	103	120	2,692	2,875
Peoria, Ill.	27	22	630	715
Rockford, Ill.	(29)	(36)	(590)	(541)
South Bend, Ind.	23	27	542	570
Toledo, Ohio	101	106	2,030	2,103
Youngstown, Ohio	47	51	1,108	1,107
WEST NORTH CENTRAL:				
Des Moines, Iowa	51	52	1,130	1,161
Duluth, Minn.	28	25	542	491
Kansas City, Kans.	32	22	653	586
Kansas City, Mo.	122	129	2,518	2,657
Lincoln, Nebr.	(20)	(37)	(537)	(541)
Minneapolis, Minn.	131	120	2,618	2,663
Omaha, Nebr.	88	82	1,537	1,477
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	240	216	5,077	5,380
St. Paul, Minn.	43	69	1,346	1,612
Wichita, Kans.	45	32	964	927
SOUTH ATLANTIC:				
Atlanta, Ga.	97	128	2,322	2,375
Baltimore, Md.	224	236	5,010	5,368
Charlotte, N. C.	41	34	757	759
Jacksonville, Fla.	57	45	1,195	1,329
Miami, Fla.	59	69	1,475	1,606
Norfolk, Va.	40	48	853	769
Richmond, Va.	83	76	1,586	1,610
Savannah, Ga.	27	29	667	711
St. Petersburg, Fla.	(67)	(59)	(1,432	(1,524)
Tampa, Fla.	54	61	1,310	1,545
Washington, D. C.	229	208	4,010	4,257
Wilmington, Del.	35	37	791	793
EAST SOUTH CENTRAL:				
Birmingham, Ala.	82	69	1,690	1,939
Chattanooga, Tenn.	32	45	959	1,047
Knoxville, Tenn.	31	26	572	598
Louisville, Ky.	100	99	2,295	2,414
Memphis, Tenn.	93	111	2,322	2,488
Mobile, Ala.	44	48	826	868
Montgomery, Ala.	37	18	664	761
Nashville, Tenn.	47	58	1,200	1,296
WEST SOUTH CENTRAL:				
Austin, Tex.	29	22	619	689
Baton Rouge, La.	24	29	589	605
Corpus Christi, Tex.	24	22	415	442
Dallas, Tex.	113	108	2,388	2,426
El Paso, Tex.	33	23	738	774
Fort Worth, Tex.	58	60	1,292	1,295
Houston, Tex.	124	165	3,188	3,319
Little Rock, Ark.	32	51	1,142	1,121
New Orleans, La.	165	127	3,456	3,750
Oklahoma City, Okla.	65	58	1,382	1,436
San Antonio, Tex.	94	84	2,023	2,021
Shreveport, La.	60	47	1,053	1,030
Tulsa, Okla.	39	48	1,061	1,062
MOUNTAIN:				
Albuquerque, N. Mex.	30	34	646	580
Colorado Springs, Colo.	[1]12	11	[2]328	294
Denver, Colo.	119	114	2,396	2,374
Ogden, Utah	[1]14	20	[2]333	292
Phoenix, Ariz.	36	39	1,093	957
Pueblo, Colo.	14	12	268	261
Salt Lake City, Utah	44	60	1,012	960
Tucson, Ariz.	18	33	512	419
PACIFIC:				
Berkeley, Calif.	11	12	361	427
Fresno, Calif.	(47)	(42)	(846)	(735)
Glendale, Calif.	(35)	(27)	(773)	(712)
Long Beach, Calif.	64	55	1,165	1,119
Los Angeles, Calif.	490	462	10,129	10,400
Oakland, Calif.	94	88	1,946	1,945
Pasadena, Calif.	31	29	644	723
Portland, Oreg.	138	93	2,394	2,073
Sacramento, Calif.	54	50	1,098	1,066
San Diego, Calif.	78	87	1,697	1,756
San Francisco, Calif.	182	212	4,084	4,054
San Jose, Calif.	(24)	(34)	(537)	(472)
Seattle, Wash.	147	120	2,845	2,737
Spokane, Wash.	47	54	1,041	952
Tacoma, Wash.	32	47	878	790
Honolulu, Hawaii	(39)	(45)	(755)	(763)

[1]Estimated.
[2]Includes estimate for current week.

EXPLANATION OF SYMBOLS USED IN TABLES	
Data not available	---
Quantity zero	-
Percent more than 0 but less than 0.05	0.0
Disease stated not notifiable	*
Figures within parentheses not included in totals	( )

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.