

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

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

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

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Washington 25, D. C.

Vol. 9, No. 19

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended May 14, 1960

In a late report for the week ended May 7, South Carolina State Board of Health reported 4 cases of anthrax in employees of a manufacturing concern using imported goat hair. A total of 9 cases of anthrax have been reported from this plant this year. See the Morbidity and Mortality Weekly Report for the week ended March 12, 1960, for a report on the first 4 cases.

2 to 9 hours after eating the pastry. Recovery was practically complete within 24 hours. The pastry had been kept unrefrigerated in the delicatessen for a period of about 24 hours prior to being purchased. Coagulase-positive *Staphylococcus aureus* was isolated from cultures of 3 of the pastries.

Mr. Louis A. Robert, Yakima County (Washington) Health Department, reported that 3 of 4 persons became ill after eating a meal of rice, gravy, and chow mein in a restaurant. Two of the individuals became ill about 3½ hours after the meal and the other in about 5½ hours. Symptoms included nausea, vomiting, diarrhea, and abdominal pain. Coagulase-positive *S. aureus* and many other organisms not usually associated with food poisoning were found in samples of the rice.

The California State Department of Public Health supplied information on 2 outbreaks of staphylococcal food poisoning. One outbreak occurred among 500 persons eating a meal at a

EPIDEMIOLOGICAL REPORTS

Staphylococcal food poisoning

Dr. D. S. Fleming, Minnesota Department of Health, supplied information on an outbreak of 10 cases of food poisoning following the ingestion of custard-filled pastry purchased from a delicatessen. Symptoms of severe nausea, vomiting, stomach cramps, diarrhea, and collapse began from

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Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	19th week			Cumulative						Approximate seasonal low point
	Ended May 14, 1960	Ended May 16, 1959	Median 1955-59	First 19 weeks			Since seasonal low week			
				1960	1959	Median 1955-59	1959-60	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	-	-	10	5	9	(1)	(1)	(1)	(1)
Botulism-----049.1	-	1	-	3	3	2	(1)	(1)	(1)	(1)
Bruceellosis (undulant fever)-----044	25	3	17	314	250	346	(1)	(1)	(1)	(1)
Diphtheria-----055	9	19	16	293	331	378	861	937	1,151	July 1
Encephalitis, infectious-----082	33	32	30	559	528	470	2,181	2,263	1,839	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	778	347	347	14,843	9,740	9,121	23,273	15,157	15,157	Sept. 1
Malaria-----110-117	1	-	3	19	25	29	(1)	(1)	(1)	(1)
Measles-----085	20,728	16,067	24,078	267,114	266,716	380,378	306,583	318,105	422,276	Sept. 1
Meningitis, aseptic-----340 pt.	30	-	-	533	-	-	-	-	-	-
Meningococcal infections-----057	39	48	63	1,058	1,042	1,137	1,722	1,905	2,146	Sept. 1
Poliomyelitis-----080	9	36	59	287	440	810	66	147	280	Apr. 1
Paralytic-----080.0,080.1	5	18	30	203	305	395	48	97	120	Apr. 1
Nonparalytic-----080.2	3	14	25	52	81	297	13	33	131	Apr. 1
Unspecified-----080.3	1	4	7	32	54	118	5	17	29	Apr. 1
Pittacosis-----096.2	-	2	8	35	44	110	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	-	-	2	(1)	(1)	(1)	(1)
Streptococcal sore throat, including scarlet fever-----050,051	6,299	-	-	158,386	-	-	-	-	-	-
Typhoid fever-----040	7	15	21	189	197	369	61	70	108	Apr. 1
Typhus fever, endemic-----101	2	-	2	14	10	27	9	4	9	Apr. 1
Rabies in animals-----	96	68	86	1,592	1,503	1,951	2,641	2,404	3,001	Oct. 1

¹Data show no pronounced seasonal change in incidence.

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EPIDEMIOLOGICAL REPORTS—Continued

church. More than 80 persons became ill with cramps, nausea, vomiting, and dehydration from 3 to 16 hours after the meal. The suspect food was age sushi, a Japanese rice cake. Coagulase-positive staphylococci were isolated from samples of this food. The cake portion of the age sushi was made from ground soy beans pressed into cakes and deep fat fried; it somewhat resembled a creampuff. The center of the cake was filled with boiled rice mixed with a boiled solution of vinegar, sugar, and salt. The cake portion was prepared by a commercial firm; the rice was prepared in individual homes. The cakes were boiled before the rice was added. The other report stated that 4 persons suffered sudden onset of nausea, vomiting, abdominal cramps, dizziness, diarrhea, chills, and weakness about 4 hours after eating cold ham, hard-boiled eggs, rolls, and coffee. Many golden pigmented coagulase-positive gram-positive cocci were isolated from the ham. The ham, a picnic type, was kept out of refrigeration for about 40 minutes after purchase. Then 3 days later, after being boiled for about 2½ hours, it was cooled, the bone removed, and refrigerated again until served the next day.

Gastroenteritis

Five reports of gastroenteritis of unknown etiology were received from the California State Department of Public Health. One outbreak, described as sudden and explosive, with moderate symptoms of nausea, vomiting, and diarrhea, occurred at a lodge. The incubation period ranged from 3 to 15 hours. The suspect food was corned beef. Samples of the corned beef and of meat block scrapings were negative for pathogenic organisms but yielded high bacterial counts. Samples of creampuffs were negative. The corned beef had been kept outside of refrigeration for a considerable period of time. All of the ill persons—28 of 112—ate the corned beef. Another outbreak occurred among persons attending a club. Thirty cases were reported out of

146 persons attending the meal. The incubation period ranged from 5 to 6 hours. Either hollandaise sauce or salad was considered to be the food vehicle. The sauce had been kept at room temperature for about 5 hours prior to serving. The chef had a history of intermittent diarrhea for a period of 3 months.

Two of the outbreaks occurred in private homes. In one of these, 16 persons became ill from 7 to 18 hours after eating gefillte fish and chicken soup with matzo balls. Samples of the fish and chicken used in the soup yielded high numbers of micrococci. The other family outbreak followed the ingestion of hamburger kept for several days in the original wrapper in the lower part of a refrigerator. The last report stated that several persons became ill after eating ham and roast beef sandwiches on a train. They were eaten more than 24 hours after preparation.

QUARANTINE MEASURES

Immunization Information for International Travel Public Health Service Publication No. 384 (1959)

Changes Reported

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>
Alabama Montgomery	State of Alabama Department of Public Health Bureau of Preventable Diseases State Office Building Tel: AM 5-2341, Ext. 2104	Friday 3 p.m.	Yes

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 16, 1959, AND MAY 14, 1960

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

Area	Poliomyelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undu- lant fever) 044
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	19th week		Cumulative, first 19 weeks		19th week		Cumulative, first 19 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES-----	9	36	287	440	5	18	203	305	3	14	30	25
NEW ENGLAND-----	1	-	9	6	1	-	9	5	-	-	-	-
Maine-----	1	-	5	-	1	-	5	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	1	-	-	-	1	-	-	-	-
Massachusetts-----	-	-	4	4	-	-	4	3	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC-----	1	4	40	34	-	2	28	14	1	1	1	-
New York-----	1	-	32	26	-	-	21	11	1	-	-	-
New Jersey-----	-	4	6	6	-	2	6	2	-	1	-	-
Pennsylvania-----	-	-	2	2	-	-	1	1	-	-	1	-
EAST NORTH CENTRAL-----	5	4	38	34	3	1	13	19	2	2	2	-
Ohio-----	2	1	18	15	2	-	5	6	-	-	-	-
Indiana-----	-	1	-	2	-	-	-	1	-	1	2	-
Illinois-----	-	-	5	3	-	-	4	1	-	-	-	-
Michigan-----	2	1	12	11	-	-	3	8	2	1	-	-
Wisconsin-----	1	1	3	3	1	1	1	3	-	-	-	-
WEST NORTH CENTRAL-----	-	5	15	45	-	3	9	25	-	-	2	22
Minnesota-----	-	-	8	-	-	-	6	-	-	-	2	2
Iowa-----	-	1	4	1	-	1	2	1	-	-	-	17
Missouri-----	-	-	2	30	-	-	1	21	-	-	-	-
North Dakota-----	-	-	-	1	-	-	-	-	-	-	-	-
South Dakota-----	-	-	1	2	-	-	-	-	-	-	-	1
Nebraska-----	-	2	-	5	-	2	-	3	-	-	-	-
Kansas-----	-	2	-	6	-	-	-	-	-	-	-	2
SOUTH ATLANTIC-----	1	4	48	94	-	2	37	70	-	2	5	1
Delaware-----	-	-	1	2	-	-	-	2	-	-	-	-
Maryland-----	-	-	1	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	-	3	-	-	-	3	-	-	-	-
West Virginia-----	-	-	3	13	-	-	3	10	-	-	-	-
North Carolina-----	-	-	15	7	-	-	15	6	-	-	-	-
South Carolina-----	-	-	2	7	-	-	2	5	-	-	-	-
Georgia-----	-	-	3	3	-	-	2	3	-	-	-	-
Florida-----	1	4	23	59	-	2	15	41	-	2	5	1
EAST SOUTH CENTRAL-----	-	3	9	37	-	-	8	22	-	3	3	-
Kentucky-----	-	1	6	8	-	-	5	6	-	1	1	-
Tennessee-----	-	1	-	12	-	-	-	7	-	1	-	-
Alabama-----	-	-	1	1	-	-	1	-	-	-	-	-
Mississippi-----	-	1	2	16	-	-	2	9	-	1	2	-
WEST SOUTH CENTRAL-----	-	11	30	96	-	6	21	74	-	5	4	1
Arkansas-----	-	2	3	17	-	2	1	17	-	-	-	-
Louisiana-----	-	-	6	14	-	-	5	12	-	-	-	-
Oklahoma-----	-	-	3	3	-	-	3	2	-	-	1	-
Texas-----	-	9	18	62	-	4	12	43	-	5	3	1
MOUNTAIN-----	-	-	14	15	-	-	8	8	-	-	-	-
Montana-----	-	-	4	-	-	-	3	-	-	-	-	-
Idaho-----	-	-	4	-	-	-	1	-	-	-	-	-
Wyoming-----	-	-	1	1	-	-	-	-	-	-	-	-
Colorado-----	-	-	1	2	-	-	1	2	-	-	-	-
New Mexico-----	-	-	1	5	-	-	-	1	-	-	-	-
Arizona-----	-	-	2	5	-	-	2	5	-	-	-	-
Utah-----	-	-	1	2	-	-	1	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	1	5	84	79	1	4	70	68	-	1	13	1
Washington-----	-	-	6	5	-	-	6	5	-	-	1	-
Oregon-----	-	2	12	7	-	1	8	6	-	1	-	-
California-----	1	3	64	67	1	3	55	57	-	-	12	1
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	2	(4)	-	-	1	(4)	-	-	-	-
Puerto Rico-----	---	-	² 93	3	---	-	² 92	3	---	-	---	---

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

²Data exclude report from Puerto Rico for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 16, 1959, AND MAY 14, 1960—Continued

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

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	19th week		Cumulative, first 19 weeks		082		19th week		Cumulative, first 19 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES-----	9	19	293	331	33	32	778	347	14,843	9,740	20,728	16,067
NEW ENGLAND-----	1	-	8	4	2	1	29	15	464	314	2,517	851
Maine-----	-	-	2	-	-	-	-	1	34	54	176	57
New Hampshire-----	-	-	-	-	-	-	-	1	15	9	165	-
Vermont-----	-	-	-	-	-	-	1	-	8	17	213	13
Massachusetts-----	1	-	5	4	-	-	17	7	241	141	1,071	166
Rhode Island-----	-	-	1	-	1	-	-	3	77	33	104	26
Connecticut-----	-	-	-	-	1	1	11	3	89	60	788	589
MIDDLE ATLANTIC-----	1	6	8	32	9	9	112	56	1,496	1,385	2,801	3,739
New York-----	-	3	1	17	8	3	73	36	750	829	2,092	1,446
New Jersey-----	-	2	1	9	-	1	11	9	130	167	447	1,370
Pennsylvania-----	1	1	6	6	1	5	28	11	616	389	262	923
EAST NORTH CENTRAL-----	-	-	22	17	2	2	122	68	2,862	1,580	6,944	2,251
Ohio-----	-	-	14	5	1	-	47	25	903	471	1,434	791
Indiana-----	-	-	3	1	-	-	12	10	397	169	433	212
Illinois-----	-	-	2	8	1	-	16	19	594	310	1,172	293
Michigan-----	-	-	3	1	-	2	44	9	827	535	1,798	365
Wisconsin-----	-	-	-	2	-	-	3	5	141	95	2,107	590
WEST NORTH CENTRAL-----	1	-	16	30	2	-	49	28	1,264	788	553	1,146
Minnesota-----	1	-	5	14	-	-	10	14	124	183	191	96
Iowa-----	-	-	2	2	-	-	6	1	219	75	252	593
Missouri-----	-	-	2	3	1	-	14	7	462	206	10	105
North Dakota-----	-	-	1	1	-	-	5	6	97	173	83	304
South Dakota-----	-	-	5	3	-	-	1	-	113	7	-	38
Nebraska-----	-	-	-	7	-	-	4	-	113	44	17	10
Kansas-----	-	-	1	-	1	-	9	-	136	100	(*)	(*)
SOUTH ATLANTIC-----	-	10	62	75	3	2	98	15	1,748	905	822	1,213
Delaware-----	-	-	-	-	-	-	9	-	98	48	7	23
Maryland-----	-	1	1	1	2	-	9	5	170	232	113	159
District of Columbia-----	-	-	-	-	-	-	-	-	11	10	26	8
Virginia-----	-	-	8	4	-	-	17	2	365	176	188	378
West Virginia-----	-	-	2	1	-	-	8	1	314	195	142	361
North Carolina-----	-	-	4	6	-	-	2	-	124	48	24	100
South Carolina-----	-	-	15	4	-	1	2	-	33	14	62	51
Georgia-----	-	1	11	29	-	-	1	-	143	84	1	5
Florida-----	-	8	21	30	1	1	50	7	490	98	259	128
EAST SOUTH CENTRAL-----	1	1	36	43	3	2	118	32	2,322	932	1,703	914
Kentucky-----	1	1	1	4	-	1	37	9	951	440	377	186
Tennessee-----	-	-	5	4	-	-	37	6	734	216	1,160	431
Alabama-----	-	-	18	9	2	1	32	13	471	191	55	267
Mississippi-----	-	-	12	26	1	-	12	4	166	85	111	30
WEST SOUTH CENTRAL-----	5	2	111	118	3	3	71	34	1,205	731	1,921	1,369
Arkansas-----	-	-	1	31	-	-	2	2	53	35	159	-
Louisiana-----	1	-	26	38	-	-	1	7	44	70	11	1
Oklahoma-----	1	-	6	1	-	1	9	7	183	109	29	29
Texas-----	3	2	78	48	3	2	59	18	925	517	1,722	1,339
MOUNTAIN-----	-	-	29	9	-	1	74	40	1,244	1,470	1,141	1,677
Montana-----	-	-	2	-	-	-	2	5	50	143	74	115
Idaho-----	-	-	11	-	-	-	12	2	165	160	133	62
Wyoming-----	-	-	5	-	-	-	-	-	9	42	11	2
Colorado-----	-	-	2	3	-	-	30	21	426	455	385	374
New Mexico-----	-	-	4	4	-	-	4	3	200	317	-	273
Arizona-----	-	-	2	1	-	-	21	8	264	258	233	434
Utah-----	-	-	3	-	-	-	5	1	111	81	214	251
Nevada-----	-	-	-	1	-	1	-	-	19	14	91	166
PACIFIC-----	-	-	1	3	9	12	105	59	2,238	1,635	2,326	2,907
Washington-----	-	-	-	-	-	3	10	4	261	254	428	855
Oregon-----	-	-	-	1	-	-	17	8	424	328	694	230
California-----	-	-	1	1	9	9	76	45	1,400	1,041	1,099	1,724
Alaska-----	-	-	1	1	-	-	2	2	115	12	27	98
Hawaii-----	-	-	-	(1)	-	(1)	-	-	38	(23)	78	(51)
Puerto Rico-----	---	-	273	11	---	-	---	3	2348	87	---	31

²Data exclude report from Puerto Rico for the current week.

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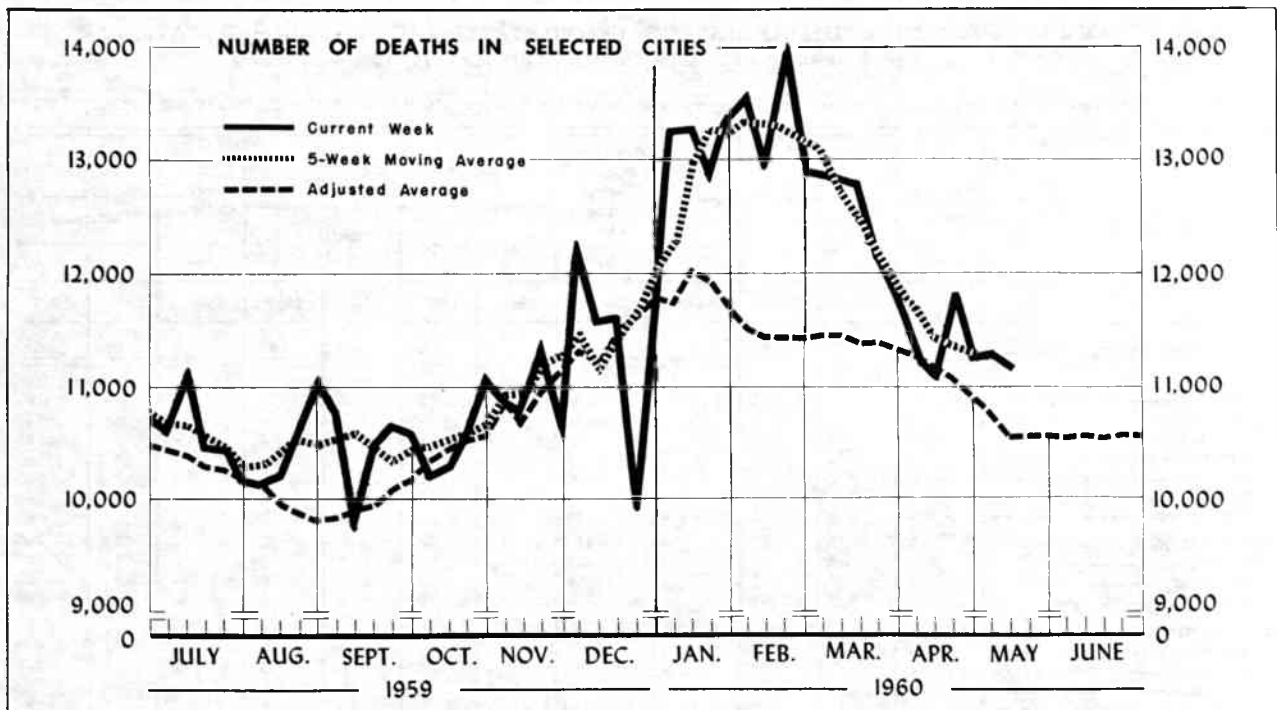
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MAY 16, 1959, AND MAY 14, 1960--Continued

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

Area	Malaria		Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117		057		096.2	050,051	19th week		Cumulative, first 19 weeks		101	1960	1959
	1960	1960	1959	1960	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES-----	1	39	48	-	6,299	7	15	189	197	2	96	68	
NEW ENGLAND-----	-	4	5	-	392	1	1	3	3	-	-	-	
Maine-----	-	-	1	-	16	-	-	-	-	-	-	-	
New Hampshire-----	-	-	-	-	12	-	-	-	-	-	-	-	
Vermont-----	-	-	-	-	2	-	-	-	-	-	-	-	
Massachusetts-----	-	2	3	-	151	-	1	2	1	-	-	-	
Rhode Island-----	-	-	-	-	64	-	-	-	1	-	-	-	
Connecticut-----	-	2	1	-	147	1	-	1	1	-	-	-	
MIDDLE ATLANTIC-----	-	13	10	-	457	1	2	9	22	-	20	2	
New York-----	-	8	4	-	254	1	-	7	8	-	19	2	
New Jersey-----	-	3	3	-	96	-	-	-	5	-	-	-	
Pennsylvania-----	-	2	3	-	107	-	2	2	9	-	1	-	
EAST NORTH CENTRAL-----	-	9	10	-	955	2	2	25	23	-	4	7	
Ohio-----	-	3	2	-	288	1	1	3	12	-	-	-	
Indiana-----	-	1	2	-	161	-	-	8	3	-	2	2	
Illinois-----	-	1	2	-	85	1	1	5	4	-	2	-	
Michigan-----	-	4	3	-	239	-	-	5	3	-	-	2	
Wisconsin-----	-	-	1	-	182	-	-	4	1	-	-	3	
WEST NORTH CENTRAL-----	-	1	3	-	211	1	1	11	8	-	28	15	
Minnesota-----	-	1	1	-	18	-	-	1	-	-	2	7	
Iowa-----	-	-	-	-	68	-	-	-	-	-	10	5	
Missouri-----	-	-	-	-	19	-	-	8	4	-	6	2	
North Dakota-----	-	-	2	-	61	-	-	-	1	-	-	1	
South Dakota-----	-	-	-	-	-	-	1	1	1	-	10	-	
Nebraska-----	-	-	-	-	-	1	-	1	-	-	-	-	
Kansas-----	-	-	-	-	45	-	-	-	2	-	-	-	
SOUTH ATLANTIC-----	1	4	9	-	279	-	1	24	45	-	10	18	
Delaware-----	-	-	-	-	4	-	-	-	-	-	-	-	
Maryland-----	-	1	1	-	35	-	-	-	-	-	-	-	
District of Columbia-----	-	-	-	-	1	-	-	1	1	-	-	-	
Virginia-----	1	-	1	-	124	-	1	3	11	-	5	5	
West Virginia-----	-	-	-	-	71	-	-	1	2	-	5	4	
North Carolina-----	-	1	4	-	8	-	-	7	5	-	-	5	
South Carolina-----	-	-	2	-	33	-	-	6	4	-	-	-	
Georgia-----	-	1	1	-	3	-	-	1	6	-	-	2	
Florida-----	-	1	-	-	-	-	-	5	16	-	-	2	
EAST SOUTH CENTRAL-----	-	2	4	-	1,186	1	1	35	18	-	17	10	
Kentucky-----	-	2	-	-	187	-	-	11	4	-	6	5	
Tennessee-----	-	-	-	-	967	-	1	18	7	-	7	3	
Alabama-----	-	-	4	-	7	-	-	4	2	-	4	2	
Mississippi-----	-	-	-	-	25	1	-	2	5	-	-	-	
WEST SOUTH CENTRAL-----	-	3	3	-	779	1	3	53	37	2	14	10	
Arkansas-----	-	-	-	-	1	-	-	16	6	-	1	-	
Louisiana-----	-	1	1	-	-	-	-	12	7	-	-	4	
Oklahoma-----	-	1	-	-	3	-	-	5	6	-	-	-	
Texas-----	-	1	2	-	775	1	3	20	18	2	13	6	
MOUNTAIN-----	-	-	2	-	1,017	-	3	13	13	-	3	2	
Montana-----	-	-	-	-	63	-	-	5	1	-	-	-	
Idaho-----	-	-	-	-	111	-	-	-	2	-	-	-	
Wyoming-----	-	-	-	-	12	-	-	1	1	-	-	-	
Colorado-----	-	-	-	-	299	-	-	-	-	-	2	-	
New Mexico-----	-	-	-	-	200	-	3	5	5	-	-	2	
Arizona-----	-	-	1	-	143	-	-	2	4	-	1	-	
Utah-----	-	-	1	-	178	-	-	-	-	-	-	-	
Nevada-----	-	-	-	-	11	-	-	-	-	-	-	-	
PACIFIC-----	-	3	2	-	1,023	-	1	16	28	-	-	4	
Washington-----	-	1	-	-	258	-	-	1	1	-	-	-	
Oregon-----	-	-	1	-	80	-	-	-	1	-	-	-	
California-----	-	2	1	-	640	-	1	15	25	-	-	4	
Alaska-----	-	-	-	-	35	-	-	-	1	-	-	-	
Hawaii-----	-	-	(1)	-	10	-	-	-	-	-	-	-	
Puerto Rico-----	---	---	-	---	---	---	-	² 15	2	---	---	1	

²Data exclude report from Puerto Rico for the current week.

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The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For 1954-58, this average is based on data for 114 cities; for 1955-59, on data for 117 cities. The adjusted average is computed as follows: From the total deaths reported each week, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 4.0 percent to allow for estimated population growth in the cities and surrounding areas.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	19th week ended May 14, 1960	18th week ended May 7, 1960	Adjusted average, 19th week 1955-59	Percent change ¹	Cumulative, first 19 weeks			
					1960	1959	Adjusted average, 1955-59	Percent change ¹
TOTAL, 117 REPORTING CITIES-----	² 11,161	11,250	10,583	+5.5	² 236,535	225,861	216,125	+9.4
New England----- (14 cities)	695	695	709	-2.0	14,938	14,274	14,544	+2.7
Middle Atlantic----- (20 cities)	3,108	3,186	3,195	-2.7	64,915	65,701	65,023	-0.2
East North Central----- (21 cities)	² 2,347	2,399	2,396	-2.0	² 50,778	48,772	48,718	+4.2
West North Central----- (9 cities)	781	805	762	+2.5	16,445	15,605	15,577	+5.6
South Atlantic----- (11 cities)	950	961	910	+4.4	20,769	19,030	18,740	+10.8
East South Central----- (8 cities)	497	497	488	+1.8	10,835	10,062	9,994	+8.4
West South Central----- (13 cities)	975	953	862	+13.1	20,860	18,486	17,972	+16.1
Mountain----- (8 cities)	356	375	271	+31.4	7,352	6,301	5,532	+32.9
Pacific----- (13 cities)	² 1,452	1,379	1,367	+6.2	² 29,643	27,630	27,721	+6.9

¹Current figure divided by adjusted average.

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	19th week ended May 14, 1960	18th week ended May 7, 1960	Cumulative, first 19 weeks		Area	19th week ended May 14, 1960	18th week ended May 7, 1960	Cumulative, first 19 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL--Con.:				
Boston, Mass.-----	249	225	5,217	4,868	St. Louis, Mo.-----	252	232	5,136	4,837
Bridgeport, Conn.-----	28	65	855	792	St. Paul, Minn.-----	66	59	1,406	1,303
Cambridge, Mass.-----	18	33	638	559	Wichita, Kans.-----	57	45	921	919
Fall River, Mass.-----	30	21	600	581	SOUTH ATLANTIC:				
Hartford, Conn.-----	43	42	941	989	Atlanta, Ga.-----	132	111	2,399	2,225
Lowell, Mass.-----	22	28	488	448	Baltimore, Md.-----	243	230	5,294	4,786
Lynn, Mass.-----	28	27	527	461	Charlotte, N.C.-----	38	35	867	716
New Bedford, Mass.-----	25	33	527	465	Jacksonville, Fla.-----	55	57	1,289	1,138
New Haven, Conn.-----	48	32	903	904	Miami, Fla.-----	63	87	1,518	1,416
Providence, R.I.-----	63	60	1,317	1,359	Norfolk, Va.-----	44	32	877	813
Somerville, Mass.-----	17	10	304	277	Richmond, Va.-----	58	91	1,664	1,503
Springfield, Mass.-----	40	46	960	910	Savannah, Ga.-----	28	44	761	640
Waterbury, Conn.-----	28	19	556	551	St. Petersburg, Fla.-----	(62)	(55)	(1,537)	(1,365)
Worcester, Mass.-----	56	54	1,105	1,110	Tampa, Fla.-----	79	43	1,365	1,256
MIDDLE ATLANTIC:					EAST SOUTH CENTRAL:				
Albany, N.Y.-----	49	36	883	1,149	Birmingham, Ala.-----	59	75	1,748	1,608
Allentown, Pa.-----	40	37	721	723	Chattanooga, Tenn.-----	45	40	971	927
Buffalo, N.Y.-----	139	158	2,951	2,856	Knoxville, Tenn.-----	24	15	581	541
Camden, N.J.-----	41	44	876	814	Louisville, Ky.-----	106	125	2,312	2,195
Elizabeth, N.J.-----	19	24	588	567	Memphis, Tenn.-----	108	99	2,369	2,229
Erie, Pa.-----	39	33	772	735	Mobile, Ala.-----	51	46	886	782
Jersey City, N.J.-----	74	85	1,452	1,533	Montgomery, Ala.-----	46	36	720	627
Newark, N.J.-----	64	74	1,959	2,064	Nashville, Tenn.-----	58	61	1,248	1,153
New York City, N.Y.-----	1,621	1,574	32,955	33,663	WEST SOUTH CENTRAL:				
Paterson, N.J.-----	32	31	787	780	Austin, Tex.-----	39	30	733	590
Philadelphia, Pa.-----	459	546	10,000	10,130	Baton Rouge, La.-----	20	30	606	565
Pittsburgh, Pa.-----	163	219	3,924	3,724	Corpus Christi, Tex.-----	20	8	510	391
Reading, Pa.-----	25	15	475	439	Dallas, Tex.-----	135	119	2,558	2,275
Rochester, N.Y.-----	110	88	2,036	1,920	El Paso, Tex.-----	30	31	766	705
Schenectady, N.Y.-----	23	28	480	472	Fort Worth, Tex.-----	63	67	1,362	1,234
Scranton, Pa.-----	34	35	763	806	Houston, Tex.-----	171	125	3,433	3,064
Syracuse, N.Y.-----	67	68	1,261	1,242	Little Rock, Ark.-----	61	59	1,235	1,110
Trenton, N.J.-----	55	27	842	875	New Orleans, La.-----	166	191	3,737	3,291
Utica, N.Y.-----	25	25	568	570	Oklahoma City, Okla.-----	76	93	1,563	1,317
Yonkers, N.Y.-----	29	39	622	639	San Antonio, Tex.-----	98	92	2,123	1,929
EAST NORTH CENTRAL:					SHREVEPORT, LA.-----				
Akron, Ohio-----	63	44	1,129	1,178	Tulsa, Okla.-----	33	67	1,058	993
Canton, Ohio-----	29	30	731	662	MOUNTAIN:				
Chicago, Ill.-----	732	708	15,606	15,175	Albuquerque, N. Mex.-----	26	29	608	616
Cincinnati, Ohio-----	124	156	3,248	3,181	Colorado Springs, Colo.-----	13	12	345	316
Cleveland, Ohio-----	187	226	4,338	4,082	Denver, Colo.-----	118	91	2,420	2,277
Columbus, Ohio-----	125	113	2,467	2,232	Ogden, Utah-----	14	15	338	319
Dayton, Ohio-----	68	77	1,435	1,338	Phoenix, Ariz.-----	92	101	1,632	1,057
Detroit, Mich.-----	304	335	6,988	6,544	Pueblo, Colo.-----	17	15	297	254
Evansville, Ind.-----	29	33	762	751	Salt Lake City, Utah-----	43	55	970	968
Flint, Mich.-----	141	52	2,802	795	Tucson, Ariz.-----	33	57	742	494
Fort Wayne, Ind.-----	32	32	732	718	PACIFIC:				
Gary, Ind.-----	29	24	608	604	Berkeley, Calif.-----	18	15	345	350
Grand Rapids, Mich.-----	44	40	833	849	Fresno, Calif.-----	(44)	(44)	(952)	(799)
Indianapolis, Ind.-----	171	133	2,986	2,846	Glendale, Calif.-----	(37)	(36)	(801)	(738)
Madison, Wis.-----	33	28	635	555	Honolulu, Hawaii-----	143	46	2,841	716
Milwaukee, Wis.-----	121	158	2,541	2,589	Long Beach, Calif.-----	59	53	1,108	1,101
Peoria, Ill.-----	24	33	595	603	Los Angeles, Calif.-----	492	503	10,755	9,639
Rockford, Ill.-----	23	31	568	561	Oakland, Calif.-----	78	99	1,946	1,852
South Bend, Ind.-----	26	29	583	519	Pasadena, Calif.-----	28	27	701	613
Toledo, Ohio-----	94	83	2,047	1,929	Portland, Oreg.-----	145	96	2,223	2,256
Youngstown, Ohio-----	48	54	1,144	1,061	Sacramento, Calif.-----	46	54	1,177	1,044
WEST NORTH CENTRAL:					SAN DIEGO, CALIF.-----				
Des Moines, Iowa-----	52	55	1,110	1,079	San Francisco, Calif.-----	203	186	4,019	3,902
Duluth, Minn.-----	34	34	520	514	San Jose, Calif.-----	(41)	(52)	(843)	(513)
Kansas City, Kans.-----	41	34	710	621	Seattle, Wash.-----	152	141	2,834	2,698
Kansas City, Mo.-----	128	126	2,645	2,396	Spokane, Wash.-----	58	34	936	994
Lincoln, Nebr.-----	---	(27)	(475)	(517)	Tacoma, Wash.-----	39	48	880	846
Minneapolis, Minn.-----	95	138	2,475	2,487					
Omaha, Nebr.-----	56	82	1,522	1,449					

¹Estimated.

²Includes 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--	()

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SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for Alaska for 1959 and 1960; data for Hawaii are included for 1960 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, small-pox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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