

# 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 April 23, 1960

### EPIDEMIOLOGICAL REPORTS

#### Schistosomiasis

Dr. Harry Most, New York University College of Medicine, supplied information on 3 cases of schistosomiasis acquired by American tourists in the Caribbean area. The 3 individuals were a physician, his wife, and a young lady. The illness was characterized by fever, leukocytosis, and eosinophilia. Investigation disclosed that in the course of the tour the patients bathed in a pool and in several deep ceramic tiled baths near a waterfall on the Island of St. Lucia. Various tests and examinations, conducted by several physicians who cared for the patients, failed to disclose the nature of the illness. However, in view of the endemicity of schistosomiasis on St. Lucia, stool specimens were examined for *Schistosoma mansoni* and eggs of the parasite were found in the specimens from all 3

individuals. The onset of symptoms occurred exactly 6 weeks after the only contact with fresh water in an endemic area.

#### Influenza

Dr. J. E. Hotchin, New York State Department of Health, has supplied information on the laboratory examination of specimens from a fatal respiratory infection which occurred late in February. The patient was a veterinarian, 32 years of age, who had onset of illness for a week prior to his sudden death. He had held office hours on the evening of February 24, began taking antibiotics one day later, and became worse overnight. He was hospitalized on February 26 and died shortly after admission. Cultures from the lungs yielded a pure culture of coagulase-positive hemolytic staphylococcus. Grossly, the lung was typical of fulminating hemorrhagic influenzal pneumonia.

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	16th week			Cumulative						Approximate seasonal low point
	Ended Apr. 23, 1960	Ended Apr. 25, 1959	Median 1955-59	First 16 weeks			Since seasonal low week			
				1960	1959	Median 1955-59	1959-60	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	1	1	6	5	7	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	3	2	-	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	11	21	20	249	227	274	(1)	(1)	(1)	(1)
Diphtheria-----055	8	17	17	254	298	338	822	904	1,111	July 1
Encephalitis, infectious-----082	29	32	32	449	434	396	2,071	2,169	1,740	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	810	457	437	12,377	8,547	7,766	20,807	13,964	13,964	Sept. 1
Malaria-----110-117	1	1	1	15	20	27	(1)	(1)	(1)	(1)
Measles-----085	18,696	16,766	25,019	204,411	219,242	290,012	245,880	270,631	319,781	Sept. 1
Meningitis, aseptic-----340 pt.	30	---	---	452	---	---	---	---	---	---
Meningococcal infections-----057	39	65	69	907	897	996	1,571	1,760	2,005	Sept. 1
Poliomyelitis-----080	13	19	48	259	349	643	8,558	56	113	Apr. 1
Paralytic-----080.0,080.1	8	13	17	183	247	321	5,705	39	46	Apr. 1
Nonparalytic-----080.2	4	3	18	45	57	220	2,165	9	54	Apr. 1
Unspecified-----080.3	1	3	8	31	45	102	688	8	13	Apr. 1
Psittacosis-----096.2	-	1	7	48	36	84	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	-	-	2	(1)	(1)	(1)	(1)
Streptococcal sore throat, including scarlet fever-----050,051	6,894	---	---	137,205	---	---	---	---	---	---
Typhoid fever-----040	10	11	19	162	154	309	902	27	48	Apr. 1
Typhus fever, endemic-----101	3	-	1	9	9	21	50	3	3	Apr. 1
Rabies in animals-----	81	80	101	1,344	1,281	1,643	2,393	2,182	2,691	Oct. 1

<sup>1</sup>Data show no pronounced seasonal change in incidence.

## Morbidity and Mortality Weekly Report

### EPIDEMIOLOGICAL REPORTS—Continued

Type A2 influenza virus was isolated from lung tissue at a later date.

The Weekly Influenza Statement of the British Ministry of Health for the week ended April 16 comments that serological evidence of influenza A virus infection, in a few cases, has been reported from laboratories in the north of England.

The World Health Organization, Geneva, states that small-scale outbreaks of acute respiratory infections have been reported from various parts of Japan. Confirmation of type A influenza virus infections has been obtained by serologic tests and virus isolation in 7 localities.

#### Mushroom poisoning

Mr. Michael A. Parsont, Alameda County (California) Health Department, reported that 2 persons became ill from 15 to 20 minutes after eating mushrooms. Symptoms included nausea, dizziness, numbness, and vomiting. One individual also had hallucinations. The mushrooms had been picked fresh and then stored in a refrigerator. Prior to cooking, they were peeled and cleaned, then boiled until tender and fried. Examination of similar types of mushrooms revealed 1 type considered to be very poisonous and another type probably poisonous.

The San Francisco Department of Public Health reported 2 cases of an illness thought to be due to the ingestion of mushrooms. About 4 hours after eating the mushrooms, picked fresh and then fried, one person became very sleepy and the other became unconscious. Mushrooms were present in vomitus but the variety was not identified. It was reported that they did not appear to be of the poisonous species.

#### Chemical food poisoning

Mr. F. A. Listick, Los Angeles City Health Department, supplied information on a case of chemical food poisoning following the ingestion of peanut brittle contaminated with a roach powder. Symptoms consisted of nausea and vomiting, lasting for 7½ hours until treatment was administered. After purchase the peanut brittle was kept in a dresser drawer. Some pieces fell from the bag into the drawer and then were put back into the bag. After eating several pieces, the patient noticed the candy was covered with a blue roach powder which had been placed in the drawer several months before. Laboratory study revealed sodium flouride on the candy.

#### Gastroenteritis

Dr. John R. Pate, District of Columbia Department of Public Health, reported an outbreak of food poisoning in a

group of 234 high school students and chaperons visiting Washington from another city. Forty-six individuals developed gastrointestinal symptoms after having eaten their previous evening meal in a public restaurant. On this particular evening, 802 meals were served to various patrons of the establishment. The group of students was the only group complaining of illness so far as could be ascertained. Routine laboratory studies on the food samples obtained and on foodhandlers and some patients revealed no definite organisms. However, the food inspectors reported a lack of refrigeration, malodorous foodstuffs, and other evidence of poor sanitary procedures. Dr. Pate also received a report from a school principal in another State. A group from his school had dinner on the following evening in the same establishment and 18 persons became ill 12 hours later while en route home. This group was served a similar menu.

The California State Department of Public Health supplied reports of food poisoning in 2 private homes. In one instance, 1 of 3 persons became ill from 5 to 6 hours after an evening meal which included a blackberry pie. The next morning another person ate some of the pie and developed the same symptoms. The pie was purchased frozen, then taken home and placed in an oven at 425° F. It was eaten while hot. No specimens were available for laboratory examination. The other report stated that 7 persons in a family suffered stomach cramps, vomiting, and diarrhea beginning 3 hours after they ate creme-filled chocolate cake. Three young children suffered convulsions also. The cake was homemade and stored in a deep freeze. No specimens were available.

### 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>
Rhode Island Providence	Rhode Island Department of Health Communicable Disease Control Office State Office Building Tel: Jackson 1-7100	Friday, 11 a.m.	No

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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 25, 1959 AND APRIL 23, 1960**

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

Area	Polio-myelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undu- lant fever) 044
	Total <sup>1</sup>				Paralytic 080.0,080.1				Nonparalytic			
	16th week		Cumulative, first 16 weeks		16th week		Cumulative, first 16 weeks		080.2			
	1958	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES-----	13	19	259	349	8	13	183	247	4	3	30	11
NEW ENGLAND-----	-	-	7	6	-	-	7	5	-	-	-	-
Maine-----	-	-	3	-	-	-	3	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	1	-	-	-	1	-	-	-	-
Massachusetts-----	-	-	4	4	-	-	4	3	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC-----	1	4	37	27	1	2	26	10	-	-	2	-
New York-----	1	4	30	23	1	2	20	9	-	-	-	-
New Jersey-----	-	-	5	2	-	-	5	-	-	-	1	-
Pennsylvania-----	-	-	2	2	-	-	1	1	-	-	1	-
EAST NORTH CENTRAL-----	1	1	31	24	-	1	9	16	1	-	5	-
Ohio-----	-	1	15	12	-	1	3	6	-	-	-	-
Indiana-----	-	-	1	1	-	-	-	1	-	-	-	-
Illinois-----	-	-	4	1	-	-	3	-	-	-	3	-
Michigan-----	1	-	9	8	-	-	3	7	1	-	-	-
Wisconsin-----	-	-	2	2	-	-	-	2	-	-	2	-
WEST NORTH CENTRAL-----	1	2	15	36	1	1	9	19	-	1	1	10
Minnesota-----	-	-	8	-	-	-	6	-	-	-	-	-
Iowa-----	-	-	4	-	-	-	2	-	-	-	-	10
Missouri-----	1	1	2	27	1	1	1	18	-	-	1	-
North Dakota-----	-	-	-	1	-	-	-	-	-	-	-	-
South Dakota-----	-	-	1	2	-	-	-	-	-	-	-	-
Nebraska-----	-	-	-	3	-	-	-	1	-	-	-	-
Kansas-----	-	1	-	3	-	-	-	-	-	1	-	-
SOUTH ATLANTIC-----	1	4	45	76	-	2	35	57	1	1	1	-
Delaware-----	-	-	1	2	-	-	-	2	-	-	-	-
Maryland-----	-	-	1	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	-	1	-	-	-	1	-	-	-	-
West Virginia-----	-	-	3	11	-	-	3	10	-	-	-	-
North Carolina-----	-	-	13	6	-	-	13	5	-	-	-	-
South Carolina-----	-	1	2	7	-	1	2	5	-	-	-	-
Georgia-----	1	-	3	3	-	-	2	3	1	-	-	-
Florida-----	-	3	22	46	-	1	15	31	-	1	1	-
EAST SOUTH CENTRAL-----	-	1	8	31	-	1	7	20	-	-	5	-
Kentucky-----	-	-	6	7	-	-	5	6	-	-	3	-
Tennessee-----	-	-	-	9	-	-	-	5	-	-	-	-
Alabama-----	-	-	1	1	-	-	1	-	-	-	-	-
Mississippi-----	-	1	1	14	-	1	1	9	-	-	2	-
WEST SOUTH CENTRAL-----	3	2	24	73	1	2	17	59	2	-	6	-
Arkansas-----	-	-	3	12	-	-	1	12	-	-	-	-
Louisiana-----	-	1	5	13	-	1	4	11	-	-	-	-
Oklahoma-----	-	-	1	3	-	-	1	2	-	-	1	-
Texas-----	3	1	15	45	1	1	11	34	2	-	5	-
MOUNTAIN-----	-	-	14	14	-	-	8	8	-	-	1	1
Montana-----	-	-	4	-	-	-	3	-	-	-	-	-
Idaho-----	-	-	4	-	-	-	1	-	-	-	-	-
Wyoming-----	-	-	1	1	-	-	-	-	-	-	-	-
Colorado-----	-	-	1	2	-	-	1	2	-	-	1	-
New Mexico-----	-	-	1	4	-	-	-	1	-	-	-	-
Arizona-----	-	-	2	5	-	-	2	5	-	-	-	-
Utah-----	-	-	1	2	-	-	1	-	-	-	-	1
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	6	5	78	62	5	4	65	53	-	1	9	-
Washington-----	-	-	6	4	-	-	6	4	-	-	3	-
Oregon-----	-	-	12	3	-	-	8	3	-	-	-	-
California-----	5	5	58	55	5	4	50	46	-	1	6	-
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	1	(1)	2	(4)	-	(1)	1	(4)	-	-	-	-
Puerto Rico-----	17	-	63	3	17	-	62	3	-	-	-	-

<sup>1</sup>Includes 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, AND PUERTO RICO, FOR WEEKS ENDED APRIL 25, 1959 AND APRIL 23, 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	
	16th week		Cumulative, first 16 weeks		092		16th week		Cumulative, first 16 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES-----	8	17	254	298	29	32	810	457	12,377	8,547	18,696	16,766
NEW ENGLAND-----	-	-	7	4	-	2	18	5	386	270	2,105	779
Maine-----	-	-	2	-	-	-	2	-	29	50	219	78
New Hampshire-----	-	-	-	-	-	-	-	-	11	8	5	12
Vermont-----	-	-	-	-	-	-	1	1	6	15	137	68
Massachusetts-----	-	-	4	4	-	1	10	1	201	119	980	124
Rhode Island-----	-	-	1	-	-	1	4	2	70	26	80	2
Connecticut-----	-	-	-	-	-	-	2	1	69	52	684	495
MIDDLE ATLANTIC-----	-	4	7	22	11	15	103	60	1,227	1,175	2,614	3,645
New York-----	-	-	1	11	9	12	46	30	615	692	1,806	729
New Jersey-----	-	-	1	6	-	-	18	5	102	143	473	1,632
Pennsylvania-----	-	4	5	5	2	3	39	25	510	340	137	1,284
EAST NORTH CENTRAL-----	-	1	22	17	5	4	136	66	2,429	1,396	5,723	1,877
Ohio-----	-	-	14	5	2	-	44	28	751	417	627	512
Indiana-----	-	-	3	1	-	-	11	8	347	148	488	265
Illinois-----	-	1	2	8	1	1	23	11	504	270	1,077	223
Michigan-----	-	-	3	1	1	2	54	15	700	478	1,720	424
Wisconsin-----	-	-	-	2	1	1	4	4	127	83	1,811	453
WEST NORTH CENTRAL-----	-	3	13	24	-	-	80	35	1,093	691	285	1,314
Minnesota-----	-	2	3	10	-	-	3	5	102	157	40	126
Iowa-----	-	-	2	2	-	-	5	4	201	56	143	532
Missouri-----	-	1	2	3	-	-	30	12	400	179	5	355
North Dakota-----	-	-	1	-	-	-	6	14	89	158	87	292
South Dakota-----	-	-	4	2	-	-	14	-	109	7	-	9
Nebraska-----	-	-	-	7	-	-	9	-	92	42	10	-
Kansas-----	-	-	1	-	-	-	13	-	100	92	(*)	(*)
SOUTH ATLANTIC-----	3	1	58	64	3	2	85	36	1,474	846	951	2,249
Delaware-----	-	-	-	-	-	-	8	5	70	48	13	52
Maryland-----	1	-	1	-	1	1	7	12	148	214	142	106
District of Columbia-----	-	-	-	-	-	-	-	-	11	10	44	27
Virginia-----	-	-	8	4	-	-	10	6	304	162	236	1,016
West Virginia-----	-	-	1	1	-	-	15	6	290	190	136	241
North Carolina-----	-	-	4	6	-	-	4	4	101	43	7	222
South Carolina-----	1	-	14	4	-	-	1	-	31	13	131	180
Georgia-----	1	-	9	28	1	1	11	2	127	82	29	14
Florida-----	-	1	21	21	1	-	29	1	392	84	213	392
EAST SOUTH CENTRAL-----	1	5	29	42	-	1	119	48	1,935	823	1,788	771
Kentucky-----	-	-	-	3	-	-	45	15	835	407	520	196
Tennessee-----	-	-	5	4	-	-	39	18	600	188	1,015	347
Alabama-----	-	-	16	9	-	1	25	10	362	151	133	114
Mississippi-----	1	5	8	26	-	-	10	5	138	77	120	114
WEST SOUTH CENTRAL-----	3	2	88	113	-	-	70	45	949	613	2,398	2,290
Arkansas-----	-	-	1	31	-	-	3	4	43	26	188	74
Louisiana-----	1	-	21	37	-	-	-	4	33	47	27	-
Oklahoma-----	-	-	5	1	-	-	9	11	145	95	51	33
Texas-----	2	2	61	44	-	-	58	26	728	445	2,132	2,183
MOUNTAIN-----	1	1	29	9	-	-	69	81	1,043	1,303	1,122	1,129
Montana-----	-	-	2	-	-	-	-	7	44	129	65	105
Idaho-----	-	-	11	-	-	-	5	4	145	153	103	29
Wyoming-----	-	-	5	-	-	-	-	-	8	38	1	1
Colorado-----	-	1	2	3	-	-	25	36	326	393	485	268
New Mexico-----	1	-	4	4	-	-	6	18	173	295	-	143
Arizona-----	-	-	2	1	-	-	22	10	233	209	258	366
Utah-----	-	-	3	-	-	-	10	5	96	72	191	104
Nevada-----	-	-	-	1	-	-	1	1	18	14	19	113
PACIFIC-----	-	-	1	3	10	8	130	81	1,841	1,430	1,908	2,712
Washington-----	-	-	-	-	-	-	9	19	211	229	479	574
Oregon-----	-	-	-	1	-	-	22	10	357	304	372	255
California-----	-	-	-	1	10	8	77	52	1,136	887	817	1,865
Alaska-----	-	-	1	1	-	-	22	-	100	10	74	18
Hawaii-----	-	-	-	(1)	-	-	-	-	37	(19)	166	(37)
Puerto Rico-----	3	-	67	11	-	-	16	-	330	72	25	68

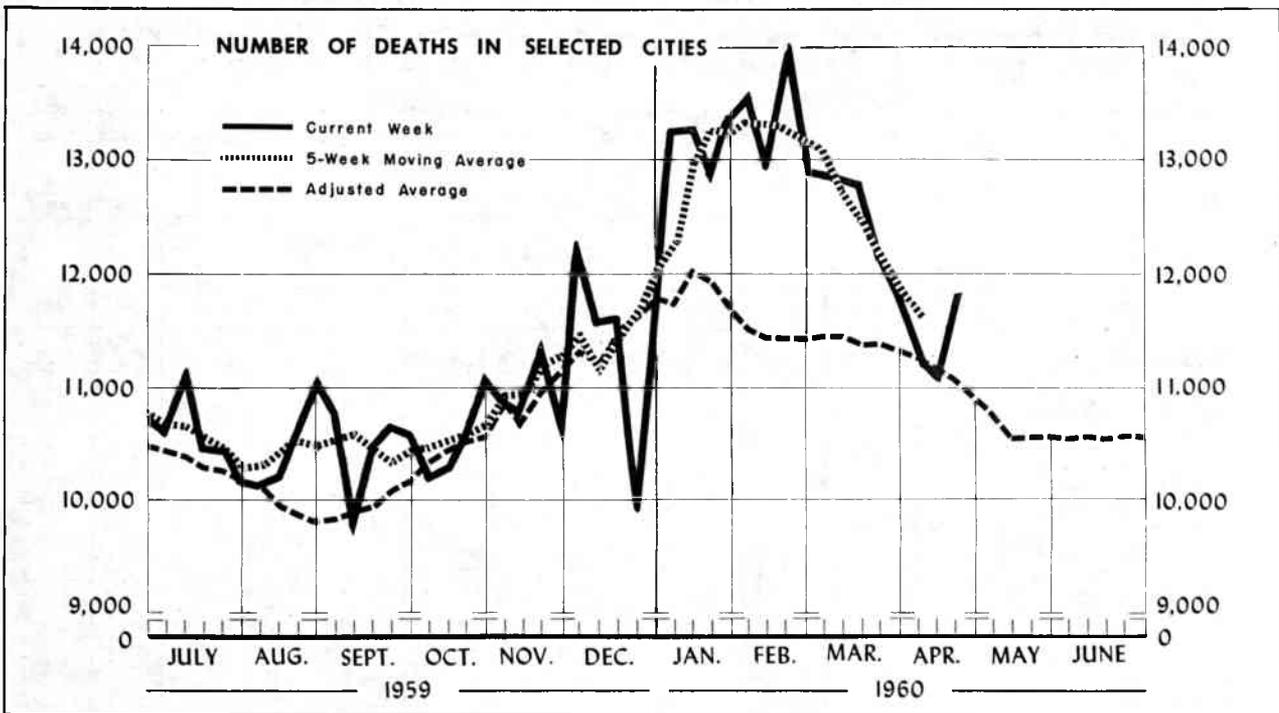
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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 25, 1959 AND APRIL 23, 1960—Continued**

(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	16th week		Cumulative, first 16 weeks		101	1960	1959
	1960	1959	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES-----	1	39	65	-	-	6,894	10	11	162	154	3	41	80
NEW ENGLAND-----	-	1	5	-	-	449	-	-	2	2	-	-	-
Maine-----	-	-	1	-	-	12	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	4	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	1	-	-	-	-	-	-	-
Massachusetts-----	-	-	4	-	-	177	-	-	2	-	-	-	-
Rhode Island-----	-	1	-	-	-	35	-	-	-	1	-	-	-
Connecticut-----	-	-	-	-	-	220	-	-	-	1	-	-	-
MIDDLE ATLANTIC-----	1	9	15	-	-	601	1	-	7	16	-	22	6
New York-----	1	7	7	-	-	333	1	-	5	5	-	20	4
New Jersey-----	-	2	2	-	-	104	-	-	-	5	-	-	-
Pennsylvania-----	-	-	6	-	-	164	-	-	2	6	-	2	2
EAST NORTH CENTRAL-----	-	9	15	-	-	807	-	2	21	15	-	4	7
Ohio-----	-	2	-	-	-	258	-	2	1	9	-	1	-
Indiana-----	-	1	-	-	-	242	-	-	7	1	-	-	4
Illinois-----	-	2	8	-	-	154	-	-	4	1	-	2	-
Michigan-----	-	4	7	-	-	-	-	-	5	3	-	-	1
Wisconsin-----	-	-	-	-	-	153	-	-	4	1	-	1	2
WEST NORTH CENTRAL-----	-	3	3	-	-	242	-	1	9	7	-	10	19
Minnesota-----	-	1	-	-	-	15	-	-	1	-	-	4	8
Iowa-----	-	-	-	-	-	71	-	-	-	-	-	-	5
Missouri-----	-	-	3	-	-	48	-	1	7	4	-	5	4
North Dakota-----	-	-	-	-	-	73	-	-	-	1	-	1	1
South Dakota-----	-	-	-	-	-	-	-	-	1	-	-	-	1
Nebraska-----	-	1	-	-	-	1	-	-	-	-	-	-	1
Kansas-----	-	1	-	-	-	34	-	-	-	2	-	-	-
SOUTH ATLANTIC-----	-	6	6	-	-	356	1	2	21	37	-	10	11
Delaware-----	-	-	-	-	-	6	-	-	-	-	-	-	-
Maryland-----	-	2	-	-	-	37	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	4	-	-	1	1	-	-	-
Virginia-----	-	2	1	-	-	130	-	1	3	8	-	7	6
West Virginia-----	-	-	1	-	-	113	-	-	1	2	-	2	2
North Carolina-----	-	-	3	-	-	12	-	-	7	5	-	-	-
South Carolina-----	-	-	-	-	-	52	-	-	6	3	-	-	-
Georgia-----	-	2	-	-	-	2	-	-	-	4	-	-	3
Florida-----	-	-	1	-	-	-	1	1	3	14	-	1	-
EAST SOUTH CENTRAL-----	-	3	12	-	-	1,327	1	-	30	14	1	8	9
Kentucky-----	-	2	3	-	-	263	1	-	11	2	-	1	6
Tennessee-----	-	1	2	-	-	1,014	-	-	17	6	-	4	3
Alabama-----	-	-	4	-	-	27	-	-	2	2	1	3	-
Mississippi-----	-	-	3	-	-	23	-	-	-	4	-	-	-
WEST SOUTH CENTRAL-----	-	1	2	-	-	735	5	4	45	32	1	18	19
Arkansas-----	-	-	-	-	-	3	1	2	15	6	-	5	7
Louisiana-----	-	1	1	-	-	8	-	1	12	7	-	1	-
Oklahoma-----	-	-	1	-	-	11	-	1	2	6	-	-	-
Texas-----	-	-	-	-	-	713	4	-	16	13	1	12	12
MOUNTAIN-----	-	1	1	-	-	1,354	1	-	12	9	-	3	-
Montana-----	-	-	-	-	-	47	-	-	5	1	-	-	-
Idaho-----	-	-	-	-	-	52	-	-	-	2	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	1	1	-	-	-
Colorado-----	-	1	-	-	-	681	-	-	-	-	-	-	-
New Mexico-----	-	-	1	-	-	217	-	-	5	1	-	2	-
Arizona-----	-	-	-	-	-	178	1	-	1	4	-	1	-
Utah-----	-	-	-	-	-	172	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	7	-	-	-	-	-	-	-
PACIFIC-----	-	6	6	-	-	1,023	1	2	15	22	1	6	9
Washington-----	-	1	-	-	-	348	-	-	-	1	-	-	-
Oregon-----	-	-	2	-	-	78	-	-	-	1	-	-	-
California-----	-	5	4	-	-	551	1	2	15	19	-	6	9
Alaska-----	-	-	-	-	-	44	-	-	-	1	-	-	-
Hawaii-----	-	-	-	-	-	2	-	-	-	-	1	-	-
Puerto Rico-----	-	1	-	-	-	-	-	-	14	2	-	3	-

## Morbidity and Mortality Weekly Report



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	16th week ended Apr. 23, 1960	15th week ended Apr. 16, 1960	Adjusted average, 16th week 1955-59	Percent change <sup>1</sup>	Cumulative, first 16 weeks			
					1960	1959	Adjusted average, 1955-59	Percent change <sup>1</sup>
<b>TOTAL, 117 REPORTING CITIES-----</b>	<sup>2</sup> 11,828	11,095	11,060	+6.9	<sup>2</sup> 202,886	191,925	183,893	+10.3
New England----- (14 cities)	721	703	737	-2.2	12,880	12,137	12,385	+4.0
Middle Atlantic----- (20 cities)	3,308	3,197	3,357	-1.5	55,374	55,921	55,297	+0.1
East North Central----- (21 cities)	<sup>2</sup> 2,612	2,252	2,502	+4.4	<sup>2</sup> 43,532	41,307	41,399	+5.2
West North Central----- (9 cities)	<sup>2</sup> 779	731	795	-2.0	<sup>2</sup> 14,061	13,213	13,243	+6.2
South Atlantic----- (11 cities)	1,016	1,027	940	+8.1	17,952	16,147	15,976	+12.4
East South Central----- (8 cities)	<sup>2</sup> 548	574	504	+8.7	<sup>2</sup> 9,415	8,578	8,516	+10.6
West South Central----- (13 cities)	979	919	900	+8.8	16,013	15,693	15,361	+17.3
Mountain----- (8 cities)	380	360	288	+31.9	6,229	5,310	4,706	+32.4
Pacific----- (13 cities)	1,485	1,332	1,418	+4.7	25,430	23,619	23,563	+7.9

<sup>1</sup>Current figure divided by adjusted average.

<sup>2</sup>Includes estimates for missing cities.

# Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

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

Area	16th week ended Apr. 23, 1960	15th week ended Apr. 16, 1960	Cumulative, first 16 weeks		Area	16th week ended Apr. 23, 1960	15th week ended Apr. 16, 1960	Cumulative, first 16 weeks	
			1960	1959				1960	1959
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	240	258	4,504	4,147	St. Louis, Mo.-----	210	245	4,443	4,103
Bridgeport, Conn.-----	39	29	714	699	St. Paul, Minn.-----	45	54	1,199	1,086
Cambridge, Mass.-----	36	31	559	478	Wichita, Kans.-----	45	38	765	779
Fall River, Mass.-----	24	31	531	476	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	45	50	820	835	Atlanta, Ga.-----	122	107	2,056	1,879
Lowell, Mass.-----	28	25	421	392	Baltimore, Md.-----	265	254	4,575	4,073
Lynn, Mass.-----	24	28	453	403	Charlotte, N.C.-----	30	49	766	608
New Bedford, Mass.-----	36	22	439	401	Jacksonville, Fla.-----	40	70	1,112	959
New Haven, Conn.-----	53	42	785	770	Miami, Fla.-----	87	63	1,308	1,205
Providence, R.I.-----	72	67	1,128	1,161	Norfolk, Va.-----	33	34	767	689
Somerville, Mass.-----	19	10	267	229	Richmond, Va.-----	96	78	1,445	1,259
Springfield, Mass.-----	34	49	829	775	Savannah, Ga.-----	29	36	665	545
Waterbury, Conn.-----	33	23	487	457	St. Petersburg, Fla.-----	(85)	(69)	(1,357)	(1,192)
Worcester, Mass.-----	38	38	943	914	Tampa, Fla.-----	64	93	1,182	1,087
<b>MIDDLE ATLANTIC:</b>					Washington, D.C.-----	214	219	3,393	3,185
Albany, N.Y.-----	42	48	740	970	Wilmington, Del.-----	36	26	683	658
Allentown, Pa.-----	46	35	606	635	<b>EAST SOUTH CENTRAL:</b>				
Buffalo, N.Y.-----	147	145	2,495	2,400	Birmingham, Ala.-----	79	103	1,541	1,371
Camden, N.J.-----	29	36	748	674	Chattanooga, Tenn.-----	43	25	2,833	797
Elizabeth, N.J.-----	30	35	515	485	Knoxville, Tenn.-----	31	26	524	448
Erie, Pa.-----	52	34	649	599	Louisville, Ky.-----	108	136	2,019	1,894
Jersey City, N.J.-----	73	65	1,226	1,343	Memphis, Tenn.-----	138	139	2,056	1,894
Newark, N.J.-----	112	80	1,706	1,786	Mobile, Ala.-----	54	40	752	649
New York City, N.Y.-----	1,697	1,688	28,023	28,750	Montgomery, Ala.-----	15	37	614	535
Paterson, N.J.-----	38	27	684	664	Nashville, Tenn.-----	80	68	1,076	990
Philadelphia, Pa.-----	536	507	8,578	8,552	<b>WEST SOUTH CENTRAL:</b>				
Pittsburgh, Pa.-----	176	166	3,371	3,193	Austin, Tex.-----	35	25	646	508
Reading, Pa.-----	29	31	418	372	Baton Rouge, La.-----	26	26	532	480
Rochester, N.Y.-----	96	100	1,750	1,626	Corpus Christi, Tex.-----	31	26	453	327
Schenectady, N.Y.-----	19	19	402	395	Dallas, Tex.-----	133	114	2,170	1,927
Scranton, Pa.-----	37	36	649	663	El Paso, Tex.-----	40	38	682	600
Syracuse, N.Y.-----	51	60	1,079	1,050	Fort Worth, Tex.-----	67	62	1,171	1,051
Trenton, N.J.-----	40	46	709	736	Houston, Tex.-----	130	154	2,957	2,592
Utica, N.Y.-----	26	18	490	489	Little Rock, Ark.-----	45	65	1,075	936
Yonkers, N.Y.-----	32	21	536	539	New Orleans, La.-----	175	141	3,213	2,821
<b>EAST NORTH CENTRAL:</b>					Oklahoma City, Okla.-----	79	83	1,329	1,113
Akron, Ohio-----	49	49	958	996	San Antonio, Tex.-----	115	79	1,840	1,635
Canton, Ohio-----	38	32	632	551	Shreveport, La.-----	54	55	911	855
Chicago, Ill.-----	866	644	13,392	12,831	Tulsa, Okla.-----	49	51	1,034	848
Cincinnati, Ohio-----	158	148	2,818	2,716	<b>MOUNTAIN:</b>				
Cleveland, Ohio-----	192	157	3,738	3,456	Albuquerque, N. Mex.-----	34	22	528	517
Columbus, Ohio-----	128	105	2,093	1,905	Colorado Springs, Colo.-----	21	9	292	280
Dayton, Ohio-----	63	70	1,226	1,115	Denver, Colo.-----	113	117	2,061	1,916
Detroit, Mich.-----	320	377	5,983	5,514	Ogden, Utah-----	8	15	289	269
Evansville, Ind.-----	41	36	660	643	Phoenix, Ariz.-----	97	82	1,346	903
Flint, Mich.-----	40	43	665	687	Pueblo, Colo.-----	15	14	249	212
Fort Wayne, Ind.-----	38	35	639	606	Salt Lake City, Utah-----	52	59	838	800
Gary, Ind.-----	46	27	523	524	Tucson, Ariz.-----	40	42	626	413
Grand Rapids, Mich.-----	31	64	703	710	<b>PACIFIC:</b>				
Indianapolis, Ind.-----	180	114	2,546	2,429	Berkeley, Calif.-----	16	12	301	300
Madison, Wis.-----	35	36	536	461	Fresno, Calif.-----	(45)	(44)	(824)	(678)
Milwaukee, Wis.-----	139	108	2,170	2,217	Glendale, Calif.-----	(34)	(40)	(680)	(629)
Peoria, Ill.-----	25	33	512	508	Honolulu, Hawaii-----	50	42	708	593
Rockford, Ill.-----	33	21	483	461	Long Beach, Calif.-----	56	54	942	943
South Bend, Ind.-----	30	11	499	439	Los Angeles, Calif.-----	509	452	9,273	8,268
Toledo, Ohio-----	94	101	1,772	1,637	Oakland, Calif.-----	119	97	1,698	1,603
Youngstown, Ohio-----	66	41	984	901	Pasadena, Calif.-----	39	35	619	523
<b>WEST NORTH CENTRAL:</b>					Portland, Oreg.-----	157	90	1,888	1,947
Des Moines, Iowa-----	48	54	950	933	Sacramento, Calif.-----	49	63	1,022	885
Duluth, Minn.-----	21	17	433	427	San Diego, Calif.-----	73	91	1,595	1,392
Kansas City, Kans.-----	33	44	606	531	San Francisco, Calif.-----	169	167	3,428	3,295
Kansas City, Mo.-----	154	108	2,255	2,021	San Jose, Calif.-----	(55)	(39)	(517)	(414)
Lincoln, Nebr.-----	(17)	(26)	(420)	(430)	Seattle, Wash.-----	161	136	2,403	2,302
Minneapolis, Minn.-----	151	99	2,101	2,123	Spokane, Wash.-----	49	52	800	847
Omaha, Nebr.-----	72	72	1,309	1,210	Tacoma, Wash.-----	38	41	753	721

<sup>1</sup>Estimated.

<sup>2</sup>Includes estimate for current week.

## Morbidity and Mortality Weekly Report

## 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.