

Morbidity and Mortality

Weekly Report

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended August 8, 1959

The Mississippi State Board of Health reports that staphylococci have been isolated from cream filled pies implicated in an outbreak of staphylococcal food poisoning involving 16 persons. It was reported this outbreak appeared to be associated with a similar occurrence of the same day in an adjoining State.

For the current week, ended August 8, 432 cases of polio-myelitis were reported. Of these, 245 were paralytic and 140 nonparalytic. For the previous week the total was 312, of which 183 were paralytic, and for the week ended August 9, 1958, a total of 197 cases were reported, including 89 paralytic. The 245 paralytic cases for the current week exceeds the figure for the high week of 1958—221 cases—and is the highest figure since September of 1956. The high week in 1956 had 388 paralytic cases and the high in 1957 was 105 cases. The total figure for the current week exceeds by 1 case the high figure for 1958 and also is the largest weekly figure since 1956. In the years

from 1940 to 1958 inclusive, the peak week, the week in which the largest number of cases was reported, occurred 3 times in the 33d week, 2 times in the 34th week, twice in the 35th, twice in the 36th, 7 times in the 37th, and 3 times in the 38th week. Since 1953 the peak week for total cases ranged from the 34th to the 38th week, and for paralytic cases it has ranged from the 33d to the 39th week. The 33d week is generally the second week of August and the 39th the last week of September.

The increase for the current week compared to the previous week represents a general increase in a number of States and includes some delayed reports. Fifteen of the 21 paralytic cases in North Carolina represent delayed reports. The onsets of some were in June and others early in July. A large proportion of the nonparalytic cases in Virginia were reported from 2 counties in the southwestern part of the State. Because of the large number of cases in 1 area and the fact that as many as

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)	31st WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Aug. 8, 1959 ¹	Ended Aug. 9, 1958	Median 1954-58	First 31 weeks			Since seasonal low week			
				1959 ¹	1958	Median 1954-58	1958-59 ¹	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	2 ¹	-	-	11	7	13	(³)	(³)	(³)	(³)
Botulism-----049.1	4 ⁶	-	-	12	3	5	(³)	(³)	(³)	(³)
Bruceellosis (undulant fever)-----044	22	18	26	475	496	623	(³)	(³)	(³)	(³)
Diphtheria-----055	9	9	11	451	370	798	63	48	92	July 1
Encephalitis, infectious-----082	47	56	54	994	1,044	963	414	450	402	June 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	315	269	276	13,640	9,326	12,729	19,057	13,645	20,638	Sept. 1
Malaria-----110-117	4	3	8	46	39	137	(³)	(³)	(³)	(³)
Measles-----085	2,028	3,192	2,350	358,159	698,924	554,919	409,548	697,364	584,688	Sept. 1
Meningococcal infections-----057	28	44	43	1,493	1,609	1,783	2,356	2,618	2,750	Sept. 1
Meningitis, other-----340	5 ¹³⁸	126	---	2,245	1,760	---	---	---	---	(³)
Polio-myelitis-----080	432	197	876	2,482	1,365	6,091	2,214	1,178	5,112	Apr. 1
Paralytic-----080.0, 080.1	245	89	360	1,560	668	2,941	1,573	565	2,410	Apr. 1
Nonparalytic-----080.2	140	83	373	643	498	2,148	598	439	1,886	Apr. 1
Unspecified-----080.3	47	25	143	279	199	1,002	243	174	816	Apr. 1
Psittacosis-----096.2	1	4	6	73	93	184	(³)	(³)	(³)	(³)
Rabies in man-----094	-	-	-	3	2	4	(³)	(³)	(³)	(³)
Typhoid fever-----040	25	30	43	422	542	926	298	376	636	Apr. 1
Typhus fever, endemic-----101	2	2	3	24	44	74	18	33	50	Apr. 1
Rabies in animals-----	80	76	78	2,371	2,975	3,134	3,262	3,873	4,234	Oct. 1

¹Data exclude report from Maine for the current week. seasonal change in incidence. table 2.

⁴Reported in Idaho.

²Reported in Pennsylvania.

³Data show no pronounced Includes 62 cases of aseptic meningitis; see footnotes to

3 and 4 cases have occurred in individual families, an investigation is planned to determine the etiologic agent. The paralytic cases in Virginia were scattered. Of the 6 paralytic cases reported in Pennsylvania, 3 were in persons with 3 doses of vaccine. There is no concentration of cases in Pennsylvania. The 1 case of poliomyelitis reported in Maryland is the first this year. Five States each reported 1 death due to poliomyelitis.

A report of poliomyelitis by counties in Illinois shows that of the 24 cases reported through July 31 only 1 has occurred in Chicago. There have been 7 cases in Rock Island County. Of 20 cases in Connecticut for which information is available, more than half have occurred in New Haven and all of these have been in children under 5 years of age. Type 1 poliovirus has been demonstrated by isolation or complement fixation tests for 9 of the 20 cases, and type 3 for 1 paralytic case. There are 4 instances of 2 or 3 cases in individual families.

EPIDEMIOLOGICAL REPORTS

Influenza

Dr. Alexis Shelokov, Middle America Research Unit, Panama Canal Zone, reports the isolation of approximately 30 strains of type B influenza virus similar to type B/Md/59 from patients living on the Atlantic and Pacific sides of the Isthmus of Panama. These specimens were obtained during an epidemic of respiratory disease occurring in June and early July 1959. Strains of type A influenza virus similar to A2/Asia/57 were isolated from specimens obtained in Georgetown, British Guiana, during an epidemic of influenza that occurred early this summer.

The World Health Organization, Geneva, reports that strains of type A2 influenza virus have been isolated from cases in the recent outbreak (May-June) in Rio de Janeiro, Brazil.

Encephalitis

The Division of Indian Health, U. S. Public Health Service, reports the occurrence of encephalitis on an Indian reservation in New Mexico. The outbreak began with 2 cases occurring early in the week ended August 1, and by the end of that week there were 11 cases. Symptoms included mild fever, lethargy, and enteritis; no cases were considered critical. Examination of spinal fluid specimens revealed 300 to 400 cells. The initial impression is that the etiologic agent is a Cocksackie virus.

Human rabies

Additional information has been received from Dr. A. L. Marshall, Indiana State Board of Health, about the death from rabies reported the week ended July 11. The victim was a 4-year-old boy who developed symptoms on June 30 and died July 7. Mice inoculation tests as well as demonstration of negri bodies in brain tissue have confirmed the diagnosis. The boy was seen being attacked on June 1 by a dog identified as belonging to a neighbor. However, this dog has remained well. Studies of blood and saliva specimens from this dog are underway. Investigation had revealed that another dog in the area had been clinically diagnosed as rabid and had been destroyed about June 21. However, it is thought this dog was not the source of infection since if it had been the biting animal on June 1 and had been rabid at that time, it should have died before June 21. The only conclusion that can be reached at present is that "the child suffered an unknown bite by an unknown animal at an unknown date."

Botulism

Dr. Terrell O. Carver, Idaho Department of Health, reported 6 cases of botulism following the ingestion of home-canned beets. Three of the cases terminated in death. Two victims, a 15-year-old girl and a 74-year-old man, died during the last week of July. The 45-year-old father of the girl died on August 6. The mother of the girl, a younger daughter, and the wife of the older man are still in critical condition. Several younger children, all members of the family, did not eat the beets and remained well. Additional information from the Food and Drug Administration states that the beets were served cold with vinegar. After some were eaten, the older lady tasted them, said they were spoiled, and immediately destroyed them. The only remaining jar of beets is being examined.

Salmonellosis

Dr. Josef Preizler, Wisconsin State Board of Health, supplied information on 12 cases of *Salmonella oranienburg* infection with onset in April reported by 3 different hospitals in Wisconsin. The cases originated from 5 or 6 independent sources of infection. No other previous cases have been reported this year. *S. oranienburg* is a relatively rare salmonella type in Wisconsin. Four of the 12 cases were reported from a hospital in Milwaukee. The first case occurred in a 2-year-old child with onset of illness on April 8. His 5-year-old sister was found on followup to have a stool specimen positive for *S. oranienburg* on April 29, but there was no history of illness. The next case was in a 1½-year-old child who became ill on April 14. The fourth case was in a 6-year-old child who had a stool specimen positive for *S. oranienburg* on April 19. This finding was the result of a followup investigation made by the hospital because the child was in contact with his sister, who had been hospitalized for *S. typhimurium* infection with onset on April 1, and it suggests the sister had had a mixed infection. Field investigation of the 3 families involved in these 4 cases revealed no social contact between them.

An investigation of an outbreak of diarrhea in the nursery of another hospital in Milwaukee showed that 5 infants between the ages of 2 and 4 weeks had given stool cultures positive for *S. oranienburg* on April 24. On April 29 an 80-year-old lady was admitted to the same hospital, and a stool specimen taken on admission was positive for *S. oranienburg* also. This case had no epidemiological relationship to the preceding cases in either hospital.

Two cases occurred in children hospitalized in LaCrosse. One was in a 7-year-old child who was hospitalized for diarrhea which began on April 29. A positive stool culture was obtained. The other case was in a 5-month-old child who was hospitalized on April 23 with a diagnosis of intussusception. He was discharged on April 30 and then developed diarrhea at home on May 1. *S. oranienburg* was found in stool specimens. Investigation revealed no contact between members of the families of these 2 children. Further investigation showed that there was no interchange of personnel and no known contact among the personnel of the 3 hospitals, nor was there any social contact between the families of the patients in the 2 hospitals in Milwaukee. There was no indication of a possible common vehicle of transmission.

Staphylococcal food poisoning

James J. McAllister, Portland (Oregon) Bureau of Health, reported 2 separate outbreaks of staphylococcal food poisoning related to box lunches obtained from the same restaurant. In the

Morbidity and Mortality Weekly Report

3

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND FOR PUERTO RICO, FOR WEEKS ENDED AUGUST 9, 1958, AND AUGUST 8, 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		31st week		Cumulative first 31 weeks		082		31st week		Cumulative first 31 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES ¹ -----	22	18	9	9	451	370	47	56	315	269	13,640	9,326
NEW ENGLAND ¹ -----	-	1	-	-	5	5	-	1	18	8	432	336
Maine-----	-	-	-	-	1	-	-	-	-	1	174	48
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	11	2
Vermont-----	-	-	-	-	-	-	-	-	1	1	22	13
Massachusetts-----	-	1	-	-	5	4	-	1	14	3	195	159
Rhode Island-----	-	-	-	-	-	-	-	-	1	1	42	45
Connecticut-----	-	-	-	-	-	1	-	-	2	2	88	69
MIDDLE ATLANTIC-----	1	-	-	-	41	30	12	8	50	33	2,046	1,162
New York-----	1	-	-	-	20	15	12	5	23	24	1,225	791
New Jersey-----	-	-	-	-	9	1	-	1	3	3	236	92
Pennsylvania-----	-	-	-	-	12	14	-	2	24	6	585	279
EAST NORTH CENTRAL-----	4	6	-	-	22	28	7	12	62	47	2,253	1,671
Ohio-----	1	-	-	-	7	6	2	-	17	12	666	540
Indiana-----	1	-	-	-	3	12	1	3	3	2	215	157
Illinois-----	2	4	-	-	8	4	1	7	19	10	465	413
Michigan-----	-	1	-	-	2	5	2	2	14	11	776	461
Wisconsin-----	-	1	-	-	2	1	1	-	9	12	131	100
WEST NORTH CENTRAL-----	9	4	-	1	37	71	2	4	10	24	1,068	820
Minnesota-----	-	-	-	1	18	30	-	1	2	7	254	106
Iowa-----	5	2	-	-	3	13	-	-	4	2	100	147
Missouri-----	1	2	-	-	3	12	-	1	3	4	307	157
North Dakota-----	1	-	-	-	2	3	-	1	1	10	217	135
South Dakota-----	1	-	-	-	3	5	-	-	-	-	10	9
Nebraska-----	-	-	-	-	8	8	-	-	-	1	53	55
Kansas-----	1	-	-	-	-	-	2	1	-	-	127	211
SOUTH ATLANTIC-----	2	1	5	-	111	94	5	8	30	32	1,240	694
Delaware-----	-	-	-	-	-	-	-	-	-	-	78	33
Maryland-----	-	-	-	-	7	3	3	1	11	5	294	81
District of Columbia-----	-	-	-	-	-	-	-	-	-	2	11	12
Virginia-----	1	-	-	-	7	15	-	1	4	6	265	169
West Virginia-----	-	-	-	-	1	9	-	-	5	8	230	105
North Carolina-----	-	-	-	-	9	13	2	2	5	3	71	37
South Carolina-----	-	-	-	-	8	11	-	-	-	-	23	36
Georgia-----	1	1	5	-	39	23	-	4	5	3	100	71
Florida-----	-	-	-	-	40	20	1	-	-	5	168	150
EAST SOUTH CENTRAL-----	-	2	1	1	50	32	7	3	16	22	1,215	818
Kentucky-----	-	1	1	1	7	4	-	-	5	7	573	383
Tennessee-----	-	1	-	-	5	4	4	-	6	7	274	214
Alabama-----	-	-	-	-	9	15	-	-	5	7	271	169
Mississippi-----	-	-	-	-	29	9	3	3	-	1	97	52
WEST SOUTH CENTRAL-----	3	2	2	4	164	79	1	1	38	13	1,077	741
Arkansas-----	2	1	-	-	34	12	-	1	1	1	51	79
Louisiana-----	1	-	-	-	41	6	-	-	-	-	95	6
Oklahoma-----	-	-	-	3	2	22	-	-	2	1	147	109
Texas-----	-	1	2	1	87	39	1	-	35	11	784	547
MOUNTAIN-----	1	1	-	2	14	25	1	1	32	40	1,878	1,278
Montana-----	-	-	-	-	-	7	-	-	4	4	183	254
Idaho-----	-	-	-	-	-	1	-	1	-	9	194	103
Wyoming-----	-	-	-	-	-	2	-	-	1	-	46	3
Colorado-----	-	1	-	-	4	5	-	-	9	4	574	144
New Mexico-----	-	-	-	2	8	9	-	-	6	4	372	239
Arizona-----	-	-	-	-	1	1	1	-	7	16	369	314
Utah-----	1	-	-	-	-	-	-	-	5	3	121	124
Nevada-----	-	-	-	-	1	-	-	-	-	-	19	97
PACIFIC-----	2	1	1	1	7	6	12	18	59	50	2,431	1,806
Alaska-----	-	-	-	-	1	-	-	-	2	-	22	(66)
Washington-----	-	-	-	-	-	-	-	-	8	5	330	303
Oregon-----	-	-	1	1	2	2	-	1	8	8	491	238
California-----	2	1	-	-	4	4	12	17	41	37	1,588	1,265
Hawaii-----	-	-	-	-	2	-	-	-	-	-	31	45
Puerto Rico-----	-	-	-	1	20	28	-	-	7	-	188	97

¹Data exclude report from Maine for the current week.

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 9, 1958, AND AUGUST 8, 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		085	
	31st week		Cumulative first 31 weeks		31st week		Cumulative first 31 weeks		080.2			
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES ¹ -----	432	197	2,482	1,365	245	89	1,560	668	140	83	2,028	3,192
NEW ENGLAND ¹ -----	16	7	49	26	11	4	34	18	4	2	75	220
Maine-----	-	-	1	2	-	-	1	2	-	-	-	38
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	4	7
Vermont-----	-	1	1	2	-	1	1	1	-	-	5	3
Massachusetts-----	2	1	13	6	1	-	10	3	-	-	52	107
Rhode Island-----	-	-	2	1	-	-	2	1	-	-	2	11
Connecticut-----	14	5	33	15	10	3	21	11	4	2	12	54
MIDDLE ATLANTIC-----	24	27	127	113	17	17	79	65	4	6	264	715
New York-----	10	10	77	56	7	7	47	31	-	1	167	462
New Jersey-----	4	16	23	47	4	9	14	26	-	5	72	138
Pennsylvania-----	10	1	27	10	6	1	18	8	4	-	25	115
EAST NORTH CENTRAL-----	52	60	244	195	20	27	108	78	18	20	510	825
Ohio-----	17	14	80	38	8	3	33	6	5	1	47	213
Indiana-----	7	-	41	15	2	-	26	9	-	-	40	37
Illinois-----	12	5	38	31	5	1	18	9	2	3	104	130
Michigan-----	11	39	72	97	2	23	23	48	9	16	94	127
Wisconsin-----	5	2	15	14	3	-	8	6	2	-	225	318
WEST NORTH CENTRAL-----	86	14	545	66	37	6	270	23	34	7	70	61
Minnesota-----	9	1	36	4	6	1	27	2	3	-	11	3
Iowa-----	26	5	194	17	10	-	87	4	12	5	17	16
Missouri-----	28	5	173	13	17	4	103	9	7	1	2	25
North Dakota-----	-	-	1	5	-	-	-	4	-	-	27	9
South Dakota-----	2	-	5	6	-	-	-	1	-	-	13	3
Nebraska-----	10	-	67	10	3	-	40	2	7	-	-	5
Kansas-----	11	3	69	11	1	1	13	1	5	1	(*)	(*)
SOUTH ATLANTIC-----	91	35	388	298	56	14	278	132	32	18	106	310
Delaware-----	-	3	4	6	-	2	4	4	-	1	1	5
Maryland-----	1	-	1	2	1	-	1	2	-	-	11	19
District of Columbia-----	-	-	-	5	-	-	-	3	-	-	17	3
Virginia-----	40	7	90	40	15	5	57	28	25	2	29	107
West Virginia-----	2	8	32	36	2	3	24	22	-	5	19	71
North Carolina-----	23	8	74	41	^a 21	-	64	11	2	8	4	6
South Carolina-----	1	-	25	10	1	-	12	6	-	-	1	12
Georgia-----	13	-	45	18	10	-	36	14	3	-	-	55
Florida-----	11	9	117	140	6	4	80	42	2	2	24	32
EAST SOUTH CENTRAL-----	42	23	254	123	34	3	201	40	7	19	121	196
Kentucky-----	5	-	18	21	5	-	16	14	-	-	44	51
Tennessee-----	10	8	77	35	9	-	66	10	-	7	77	116
Alabama-----	19	3	101	15	16	3	88	13	3	-	-	20
Mississippi-----	8	12	58	52	4	-	31	3	4	12	-	9
WEST SOUTH CENTRAL-----	82	22	561	307	48	13	373	177	31	9	262	248
Arkansas-----	17	-	118	9	12	-	99	7	5	-	-	-
Louisiana-----	5	1	70	30	4	-	51	21	1	1	1	-
Oklahoma-----	19	4	76	36	10	2	40	11	6	2	3	13
Texas-----	41	17	297	232	22	11	183	138	19	6	258	235
MOUNTAIN-----	7	5	82	83	5	2	48	43	1	1	281	290
Montana-----	-	2	4	31	-	-	1	22	-	-	8	21
Idaho-----	-	-	5	3	-	-	-	-	-	-	25	5
Wyoming-----	-	-	2	2	-	-	1	1	-	-	5	3
Colorado-----	-	-	7	8	-	-	6	7	-	-	31	107
New Mexico-----	3	2	21	20	2	1	10	7	-	1	47	28
Arizona-----	4	1	39	12	3	1	29	4	1	-	40	75
Utah-----	-	-	2	5	-	-	-	2	-	-	123	40
Nevada-----	-	-	2	2	-	-	1	-	-	-	2	11
PACIFIC-----	32	4	232	154	17	3	169	92	9	1	339	327
Alaska-----	1	-	7	(1)	-	-	6	(1)	1	-	29	(4)
Washington-----	6	-	26	12	-	-	-	3	-	-	21	48
Oregon-----	8	-	39	15	3	-	29	11	5	-	43	50
California-----	17	4	160	127	14	3	134	78	3	1	246	229
Hawaii-----	-	4	4	48	-	4	4	48	-	-	64	4
Puerto Rico-----	-	2	3	47	-	2	3	44	-	-	20	54

¹Data exclude report from Maine for the current week.²Includes cases not specified by type, category number 080.3.³Includes 15 delayed reports.

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED AUGUST 9, 1958, AND AUGUST 8, 1959—Continued

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

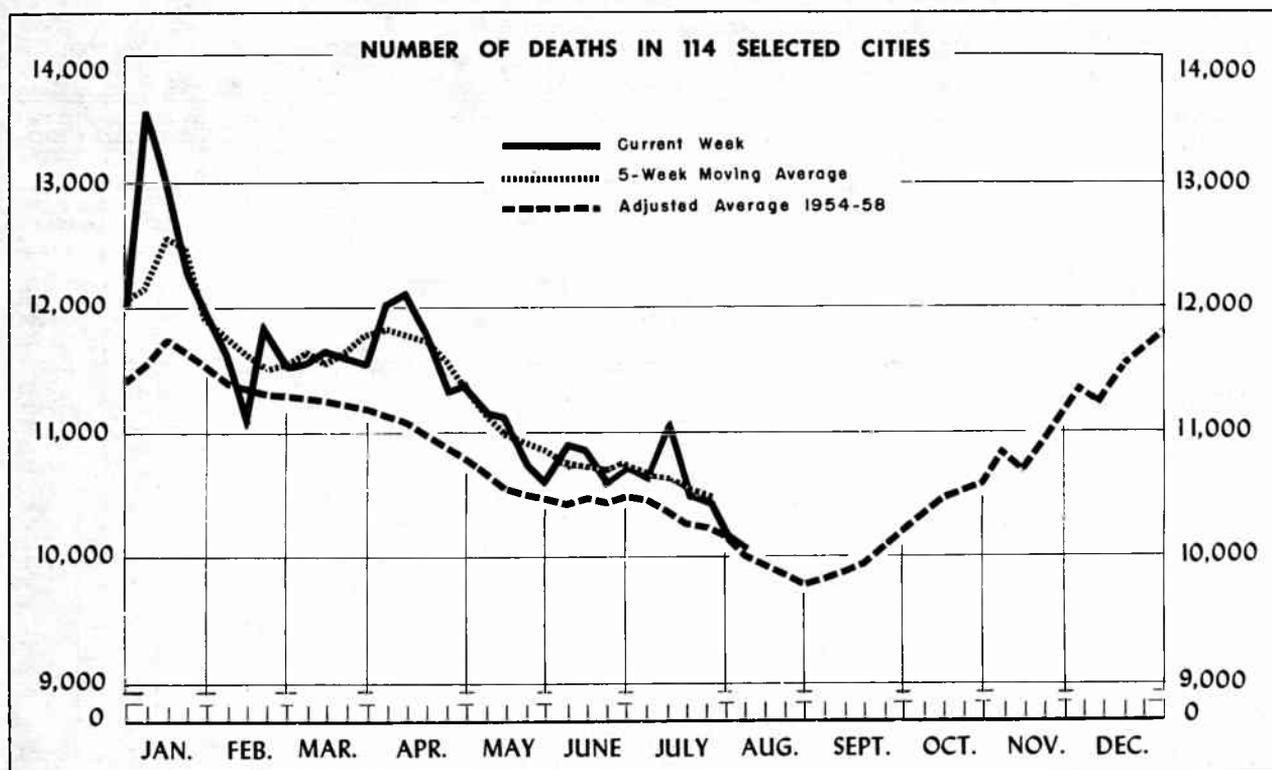
AREA	MALARIA		MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS	TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	110-117		057		340	096.2	31st week		Cumulative first 31 weeks		101		
	1959	1958	1959	1958	1959	1959	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES ¹ -----	4	28	44		138	1	25	30	422	542	2	80	76
NEW ENGLAND ¹ -----	-	3	3		8	-	-	-	9	9	-	-	-
Maine-----	-	-	-		-	-	-	-	11	1	-	-	-
New Hampshire-----	-	-	-		-	-	-	-	-	1	-	-	-
Vermont-----	-	-	-		-	-	-	-	-	-	-	-	-
Massachusetts-----	-	2	1		6	-	-	-	2	5	-	-	-
Rhode Island-----	-	1	-		2	-	-	-	1	-	-	-	-
Connecticut-----	-	-	2		-	-	-	-	5	2	-	-	-
MIDDLE ATLANTIC-----	1	8	5		-	-	1	5	57	62	-	18	13
New York-----	-	6	3		-	-	-	1	13	17	-	18	12
New Jersey-----	1	1	1		-	-	-	3	7	14	-	-	-
Pennsylvania-----	-	1	1		-	-	1	1	17	31	-	-	1
EAST NORTH CENTRAL-----	-	7	10		12	-	10	1	62	43	-	7	10
Ohio-----	-	1	2		-	-	8	-	34	15	-	-	-
Indiana-----	-	-	-		-	-	-	1	8	6	-	-	3
Illinois-----	-	3	6		9	-	1	-	12	8	-	1	-
Michigan-----	-	2	1		2	-	-	-	7	8	-	-	-
Wisconsin-----	-	-	1		4 ¹	-	1	1	1	6	-	6	7
WEST NORTH CENTRAL-----	-	1	1		3	-	-	-	23	46	-	8	21
Minnesota-----	-	-	-		2	-	-	-	-	3	-	5	15
Iowa-----	-	-	-		4 ¹	-	-	-	1	7	-	7	2
Missouri-----	-	-	-		-	-	-	-	11	23	-	5	2
North Dakota-----	-	-	-		-	-	-	-	2	1	-	-	1
South Dakota-----	-	-	-		-	-	-	-	3	5	-	-	-
Nebraska-----	-	1	-		-	-	-	-	1	1	-	1	1
Kansas-----	-	-	1		-	-	-	-	5	6	-	-	-
SOUTH ATLANTIC-----	1	3	13		27	-	11	1	71	99	2	11	10
Delaware-----	-	-	-		-	-	2	-	-	5	-	-	-
Maryland-----	-	1	3		1	-	-	-	1	4	-	-	-
District of Columbia-----	1	-	2		1	-	-	-	2	6	-	-	-
Virginia-----	-	-	2		12	-	1	4	15	20	-	4	3
West Virginia-----	-	-	-		2	-	-	-	4	11	-	-	2
North Carolina-----	-	1	3		-	-	-	2	6	13	-	1	-
South Carolina-----	-	-	-		1	-	-	-	6	6	-	1	1
Georgia-----	-	-	-		2	-	-	2	17	20	2	4	3
Florida-----	-	1	3		5 ⁸	-	1	-	20	14	-	1	1
EAST SOUTH CENTRAL-----	-	4	4		12	-	3	5	57	64	-	4	8
Kentucky-----	-	-	-		2	-	-	2	8	17	-	3	5
Tennessee-----	-	1	-		-	-	3	2	30	17	-	-	-
Alabama-----	-	1	1		-	-	-	1	7	13	-	1	3
Mississippi-----	-	2	3		10	-	-	-	12	17	-	-	-
WEST SOUTH CENTRAL-----	-	-	2		3 ³	-	8	3	93	131	-	15	13
Arkansas-----	-	-	-		-	-	-	-	17	17	-	3	3
Louisiana-----	-	-	1		-	-	3	1	13	54	-	1	-
Oklahoma-----	-	-	-		-	-	1	-	14	7	-	-	-
Texas-----	-	-	1		13	-	4	2	49	53	-	11	10
MOUNTAIN-----	-	-	1		6	-	1	2	21	46	-	-	-
Montana-----	-	-	-		2	-	-	-	1	2	-	-	-
Idaho-----	-	-	-		-	-	-	-	4	5	-	-	-
Wyoming-----	-	-	-		-	-	-	1	2	2	-	-	-
Colorado-----	-	-	-		1	-	-	-	3	5	-	-	-
New Mexico-----	-	-	-		-	-	1	-	7	18	-	-	-
Arizona-----	-	1	2		-	-	-	-	4	6	-	-	-
Utah-----	-	-	-		1	-	-	-	-	-	-	-	-
Nevada-----	-	-	-		-	-	-	1	-	8	-	-	-
PACIFIC-----	2	2	5		57	1	1	3	49	42	-	7	1
Alaska-----	-	-	-		-	-	-	-	1	-	-	-	-
Washington-----	-	-	1		1	-	-	-	1	-	-	-	-
Oregon-----	-	-	-		3	-	-	-	2	7	-	-	-
California-----	2	2	4		4 ⁵³	1	1	3	45	35	-	7	1
Hawaii-----	-	-	-		-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-		-	-	-	-	13	15	-	-	-

¹Data exclude report from Maine for the current week.

⁴Aseptic meningitis.

⁵Includes 7 cases of aseptic meningitis.

Morbidity and Mortality Weekly Report



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.

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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	31st week ended Aug. 8, 1959	30th week ended Aug. 1, 1959	Adjusted average, 31st week 1954-58	Percent change, adjusted average to current week ¹	CUMULATIVE NUMBER FIRST 31 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	² 10,093	10,168	10,005	+0.9	² 351,242	351,948	-0.2
New England----- (14 cities)	646	644	618	+4.5	22,237	22,254	-0.1
Middle Atlantic----- (20 cities)	2,789	2,863	2,845	-2.0	101,985	101,921	+0.1
East North Central----- (19 cities)	² 2,149	2,181	2,129	+0.9	² 74,745	74,806	-0.1
West North Central----- (9 cities)	745	707	735	+1.4	24,422	24,782	-1.5
South Atlantic----- (11 cities)	850	913	850	0	30,257	30,878	-2.0
East South Central----- (8 cities)	² 465	470	473	+2.5	² 15,933	16,520	-3.6
West South Central----- (13 cities)	² 918	868	854	+7.5	² 29,361	29,842	-1.6
Mountain----- (8 cities)	284	300	244	+16.4	9,914	9,321	+6.4
Pacific----- (12 cities)	1,227	1,222	1,206	+1.7	42,388	41,624	+1.8

¹Adjusted average used as base.

²Includes 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	31st week ended Aug. 8, 1959	30th week ended Aug. 1, 1959	CUMULATIVE NUMBER FIRST 31 WEEKS		AREA	31st week ended Aug. 8, 1959	30th week ended Aug. 1, 1959	CUMULATIVE NUMBER FIRST 31 WEEKS	
			1959	1958				1959	1958
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	202	215	7,554	7,658	St. Louis, Mo.-----	256	205	7,444	7,672
Bridgeport, Conn.-----	32	30	1,279	1,195	St. Paul, Minn.-----	25	59	2,008	2,317
Cambridge, Mass.-----	29	40	892	925	Wichita, Kans.-----	61	40	1,506	1,414
Fall River, Mass.-----	20	25	897	867	SOUTH ATLANTIC:				
Hartford, Conn.-----	53	44	1,555	1,586	Atlanta, Ga.-----	99	96	3,448	3,454
Lowell, Mass.-----	22	17	724	831	Baltimore, Md.-----	214	237	7,667	7,860
Lynn, Mass.-----	16	24	724	701	Charlotte, N. C.-----	29	42	1,160	1,121
New Bedford, Mass.-----	26	33	749	749	Jacksonville, Fla.-----	53	76	1,817	1,940
New Haven, Conn.-----	35	37	1,403	1,433	Miami, Fla.-----	45	48	2,196	2,331
Providence, R. I.-----	50	63	2,033	1,996	Norfolk, Va.-----	39	39	1,241	1,124
Somerville, Mass.-----	10	13	405	445	Richmond, Va.-----	85	69	2,454	2,404
Springfield, Mass.-----	42	35	1,402	1,337	Savannah, Ga.-----	30	39	1,030	1,055
Waterbury, Conn.-----	32	31	865	828	St. Petersburg, Fla.-----	(59)	(49)	(2,030)	(2,118)
Worcester, Mass.-----	77	37	1,755	1,703	Tampa, Fla.-----	34	50	1,964	2,182
MIDDLE ATLANTIC:					Washington, D. C.-----	182	167	6,067	6,221
Albany, N. Y.-----	47	41	1,713	1,545	Wilmington, Del.-----	40	50	1,213	1,186
Allentown, Pa.-----	29	30	1,102	1,042	EAST SOUTH CENTRAL:				
Buffalo, N. Y.-----	130	126	4,558	4,766	Birmingham, Ala.-----	72	60	2,538	2,783
Camden, N. J.-----	30	49	1,284	1,352	Chattanooga, Tenn.-----	41	41	1,435	1,538
Elizabeth, N. J.-----	22	21	918	928	Knoxville, Tenn.-----	131	66	922	860
Erie, Pa.-----	26	30	1,169	1,089	Louisville, Ky.-----	111	108	3,524	3,482
Jersey City, N. J.-----	53	61	2,326	2,235	Memphis, Tenn.-----	111	81	3,475	3,664
Newark, N. J.-----	80	73	3,127	3,051	Mobile, Ala.-----	27	30	1,212	1,253
New York City, N. Y.-----	1,442	1,475	52,183	51,473	Montgomery, Ala.-----	29	26	1,017	1,063
Paterson, N. J.-----	42	32	1,206	1,309	Nashville, Tenn.-----	63	58	1,810	1,877
Philadelphia, Pa.-----	481	440	15,664	16,071	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	130	163	5,844	6,118	Austin, Tex.-----	37	30	1,004	1,037
Reading, Pa.-----	16	15	700	678	Baton Rouge, La.-----	121	23	847	878
Rochester, N. Y.-----	83	102	3,028	3,179	Corpus Christi, Tex.-----	22	22	653	665
Schenectady, N. Y.-----	29	35	785	717	Dallas, Tex.-----	124	99	3,680	3,622
Scranton, Pa.-----	17	26	1,173	1,117	El Paso, Tex.-----	45	31	1,147	1,136
Syracuse, N. Y.-----	65	51	1,968	1,942	Fort Worth, Tex.-----	63	61	1,997	1,952
Trenton, N. J.-----	28	38	1,362	1,515	Houston, Tex.-----	141	151	4,841	4,975
Utica, N. Y.-----	15	22	877	843	Little Rock, Ark.-----	70	43	1,721	1,684
Yonkers, N. Y.-----	24	33	998	951	New Orleans, La.-----	152	169	5,233	5,584
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	63	64	2,135	2,130
Akron, Ohio-----	46	54	1,854	1,807	San Antonio, Tex.-----	91	82	2,991	3,054
Canton, Ohio-----	28	34	1,049	965	Shreveport, La.-----	40	48	1,578	1,548
Chicago, Ill.-----	684	682	23,655	23,897	Tulsa, Okla.-----	49	45	1,534	1,577
Cincinnati, Ohio-----	179	133	5,010	5,109	MOUNTAIN:				
Cleveland, Ohio-----	191	219	6,503	6,581	Albuquerque, N. Mex.-----	39	20	961	892
Columbus, Ohio-----	106	110	3,609	3,526	Colorado Springs, Colo.--	18	18	485	471
Dayton, Ohio-----	58	65	2,107	2,266	Denver, Colo.-----	107	96	3,642	3,533
Detroit, Mich.-----	299	272	10,227	9,988	Ogden, Utah-----	18	18	496	449
Evansville, Ind.-----	27	39	1,179	1,233	Phoenix, Ariz.-----	40	46	1,610	1,429
Flint, Mich.-----	28	40	1,261	1,192	Pueblo, Colo.-----	12	13	426	399
Fort Wayne, Ind.-----	16	30	1,101	1,100	Salt Lake City, Utah-----	41	58	1,556	1,496
Gary, Ind.-----	21	28	956	1,018	Tucson, Ariz.-----	9	31	738	652
Grand Rapids, Mich.-----	137	39	21,322	1,299	PACIFIC:				
Indianapolis, Ind.-----	114	126	4,372	3,975	Berkeley, Calif.-----	15	15	537	600
Madison, Wis.-----	(45)	(30)	(933)	(998)	Fresno, Calif.-----	(38)	(39)	(1,249)	(1,173)
Milwaukee, Wis.-----	118	119	4,008	4,215	Glendale, Calif.-----	(29)	(33)	(1,128)	(1,058)
Peoria, Ill.-----	31	37	918	1,009	Long Beach, Calif.-----	53	65	1,732	1,734
Rockford, Ill.-----	(20)	(30)	(877)	(839)	Los Angeles, Calif.-----	441	449	15,202	15,204
South Bend, Ind.-----	18	25	826	841	Oakland, Calif.-----	80	74	2,878	2,925
Toledo, Ohio-----	96	91	3,120	3,111	Pasadena, Calif.-----	33	32	1,010	1,095
Youngstown, Ohio-----	52	38	1,668	1,674	Portland, Oreg.-----	123	73	3,544	3,147
WEST NORTH CENTRAL:					Sacramento, Calif.-----	49	56	1,720	1,617
Des Moines, Iowa-----	48	56	1,666	1,725	San Diego, Calif.-----	88	67	2,545	2,591
Duluth, Minn.-----	16	15	811	786	San Francisco, Calif.-----	146	190	6,119	5,889
Kansas City, Kans.-----	36	35	1,085	816	San Jose, Calif.-----	(17)	(27)	(787)	(700)
Kansas City, Mo.-----	105	114	3,739	3,855	Seattle, Wash.-----	110	128	4,226	4,209
Lincoln, Nebr.-----	(16)	(28)	(804)	(784)	Spokane, Wash.-----	47	49	1,555	1,422
Minneapolis, Minn.-----	135	109	3,897	3,980	Tacoma, Wash.-----	42	24	1,320	1,191
Omaha, Nebr.-----	63	74	2,266	2,217	Honolulu, Hawaii-----	(35)	(31)	(1,172)	(1,149)

¹Estimated.

²Includes estimate for current week.

EPIDEMIOLOGICAL REPORTS—Continued

first outbreak, 6 persons of 29 on a picnic became ill with vomiting and diarrhea from 3 to 9 hours after eating box lunches consisting of ham, turkey, and cheese sandwiches, a deviled egg, a piece of chocolate candy, boysenberry pie, and a banana. The lunches were carried unrefrigerated in the luggage compartment of a bus and were eaten about 5 hours after being made. Three lunches were collected from a garbage can the following day and staphylococci were found in the cheese, turkey, egg, and ham—most numerous in the ham. The ham had been cooked on an ultraviolet-ray rotisserie. The ham used for these lunches was not checked for internal temperature, but the temperature in other hams that were checked was about 170 ° F. No complaints were received about more than 100 other box lunches served that day.

Five days later, 9 persons became ill after eating similar box lunches in which meat loaf sandwiches were served instead of turkey. Two persons were hospitalized, and one person, a pregnant woman, suffered convulsions. Numerous staphylococci were found in the ham bone trimmings, ham trimmings, sliced ham, and ham salad. A much smaller number of organisms were present in the meat loaf and cheese. The restaurant has begun to use fully cooked, ready-to-eat hams. These are cooked again to 170 ° F. minimum.

Dr. Grace T. Jansen, Erie County (New York) Health Department, reported an outbreak of an estimated 109 cases of staphylococcal food poisoning among persons eating luncheon in a club. Symptoms consisted of violent vomiting, abdominal cramps, and diarrhea, lasting no more than 24 hours. All the ill persons who were interviewed had eaten turkey salad. Some said it tasted rancid. Samples of this food item yielded coagulase-positive staphylococci, phage type 79/80/47/53/54/75/77/83/(VA₄) and phage type 79/42D/47/53/75. Specimens from lesions on the cook who prepared the salad yielded coagulase-positive staphylococci, phage pattern 53/75. The cook had made the salad with her hands. She had a nasal discharge and multiple burns and abrasions on her arms. The salad was prepared 1½ or more hours before it was served and was not refrigerated during the interim.

QUARANTINE MEASURES

Immunization Information for International Travel

No changes reported

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

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, small-pox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted below table 1.

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