

# Morbidity and Mortality

Weekly  
Report

PUBLIC HEALTH SERVICE

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

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Executive 3-6300, Ext. 4744

For release September 4, 1959

Washington 25, D. C.

Vol. 8, No. 34

## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended August 29, 1959

For the current week, ended August 29, a total of 533 cases of poliomyelitis were reported, of which 318 were paralytic and 146 nonparalytic. For the previous week, the revised total was 486 cases, 285 being paralytic. For the week ended August 30, 1958, the total was 285, including 126 paralytic cases. For the comparable week of 1957, there were 272 cases reported, including 76 paralytic. The number of paralytic cases for the current week also exceeds the number for the comparable week in 1956 (294), but it is still considerably below the weekly high for 1956 (388). The 318 paralytic cases for the current week represent an increase of about 12 percent over the figure for the previous week. This increase was most notable in the East North Central, South Atlantic, and East South Central geographic divisions. There was also a slight increase in totals for the New England, Mountain, and Pacific Divisions. In the others, the totals remained the same or were smaller for the current week.

The report from Illinois accounted for much of the increase in the East North Central Division. Illinois reported a total of 35 cases (23 paralytic), with some concentration in Cook County (10 cases), Rock Island County (7), Henry County (4), and Peoria and Winnebago Counties (3 cases each). In the South Atlantic Division much of the increase occurred in Georgia, where 15 paralytic cases were reported. In the East South Central area, both Alabama and Tennessee reported increases, with 22 and 35 paralytic cases respectively. In Alabama there were 4 cases each in Madison and Montgomery Counties, but the rest were scattered. In New England, Massachusetts reported an increase from 3 paralytic cases last week to 11 for the current week, but there was a decrease from 12 to 4 cases in Connecticut.

Additional information from several States shows: Twelve of the 13 cases reported in West Virginia occurred in Kanawha

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)	34th WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Aug. 29, 1959 <sup>1</sup>	Ended Aug. 30, 1958	Median 1954-58	First 34 weeks			Since seasonal low week			
				1959 <sup>1</sup>	1958	Median 1954-58	1958-59 <sup>1</sup>	1957-58	Median 1953-54 to 1957-58	
Anthrax-----062	-	-	-	12	11	15	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	12	3	6	(2)	(2)	(2)	(2)
Bruceellosis (undulant fever)-----044	7	10	20	507	538	677	(2)	(2)	(2)	(2)
Diphtheria-----055	9	15	15	481	400	903	93	78	140	July 1
Encephalitis, infectious-----082	52	90	69	1,173	1,269	1,162	592	675	559	June 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	343	231	251	14,763	10,081	13,511	20,180	14,400	21,420	Sept. 1
Malaria-----110-117	2	-	7	50	45	151	(2)	(2)	(2)	(2)
Measles-----085	1,150	1,460	1,060	362,253	704,744	558,850	413,642	703,184	588,619	Sept. 1
Meningococcal infections-----057	22	32	32	1,563	1,720	1,860	2,426	2,729	2,827	Sept. 1
Meningitis, other-----340	<sup>3</sup> 158	157	-	2,832	2,120	-	-	-	-	-
Poliomyelitis-----080	533	285	888	3,968	2,187	8,817	3,700	2,000	7,838	Apr. 1
Paralytic-----080.0, 080.1	318	126	294	2,449	1,054	3,998	2,262	951	3,467	Apr. 1
Nonparalytic-----080.2	146	108	417	1,075	806	3,303	1,030	747	3,041	Apr. 1
Unspecified-----080.3	69	51	177	444	327	1,516	408	302	1,330	Apr. 1
Psittacosis-----096.2	2	4	4	78	109	194	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	3	2	4	(2)	(2)	(2)	(2)
Typhoid fever-----040	23	38	47	499	649	1,093	375	483	803	Apr. 1
Typhus fever, endemic-----101	-	-	5	27	48	82	21	37	58	Apr. 1
Rabies in animals-----	67	89	69	2,590	3,223	3,349	3,481	4,121	4,449	Oct. 1

<sup>1</sup>Data exclude report from Colorado for the current week.

<sup>2</sup>Data show no pronounced seasonal change in incidence.

<sup>3</sup>Includes 36 cases of aseptic meningitis; see footnotes to table 2.

County. In Minnesota, 5 of the total of 15 cases occurred in Aitkin County and 3 in St. Louis County. In New Jersey the 19 cases were scattered over 9 counties, although 5 cases were reported in Warren County. However, most of the cases in this County have been nonparalytic. There has been no particular concentration of cases in New Jersey so far this year. Eleven of the paralytic cases in California were reported in Los Angeles County; the rest were scattered. Four of the total of 9 cases in Mississippi for the current week represent delayed reports. Two of the 13 cases in North Carolina had onset in June and July and 7 during the first half of August.

Four States reported deaths due to poliomyelitis—Indiana 4, South Carolina 2, Florida 1, and Illinois 1.

The weekly summary of notifiable diseases for Canada states that for the week ended August 15, 100 cases of paralytic poliomyelitis were reported, compared with 94 the previous week and a median of 12 cases for the period 1954-58. In Quebec, the cumulative total is now 219 cases, the highest total reported to date for the last 10 years. Most of the cases have occurred in Montreal and the surrounding metropolitan area, with only sporadic cases elsewhere in the Province. Practically all the cases have been in unvaccinated individuals. The largest number of cases are occurring in children in the 5- to 9-year age group, but there is a large percentage in the group under 5 years of age. In Ontario, the cumulative total is now 31 paralytic cases, the highest to date since 1955.

Excess mortality

Mortality for the 34th week, ended August 29, was significantly higher than the adjusted average for each geographic division except the New England, West North Central, and Pacific Divisions. The excess mortality was associated with high temperatures for the major portion of the country.

EPIDEMIOLOGICAL REPORTS

Sylvatic plague

Stuart F. Quan, San Francisco Field Station (PHS), reported the isolation of Pasteurella pestis from tissue specimens of 3 rodents found at campgrounds of Yosemite National Park, California. One rodent, a chipmunk (Eutamias speciosus), was found dead at Tuolumne Meadows Campsite A9, Tuolumne County. The other 2 rodents were ground squirrels (Citellus beldingi) which were trapped east of Lake Tenaya, Mariposa County.

Tularemia

Dr. A. M. Washburn, Arkansas State Board of Health, supplied information on a case of tularemia in a 74-year-old farmer. The man suffered spiking fever and chills which persisted for approximately 4 weeks prior to his consulting a

physician. Three to 5 days prior to the onset of the illness, the man had killed a young rabbit with a hoe handle and then picked it up and fed it to the dogs. In doing this, the man broke the skin on his thumb. An agglutination test for tularemia was positive in a dilution of 1:2560. The primary lesion was on the left thumb with adenitis in the left axilla.

Staphylococcal food poisoning

Gilman K. Crowell, New Hampshire State Department of Health, supplied information on an outbreak of staphylococcal food poisoning among 150 persons attending a club party. Throughout the evening guests purchased and ate sandwiches and other foods prepared by the wives of club members. A group of 10 persons apparently purchased chicken sandwiches from the same lot, and all 10 became ill within a period of 1 to 3 hours after eating the sandwiches. Remaining chicken sandwiches were taken to a laboratory for bacteriologic study, and coagulase-positive Staphylococcus aureus, phage typed to broad group III, was isolated.

Gastroenteritis

Dr. P. C. Supan, Effingham County (Illinois) Health Department, supplied information on an outbreak of food poisoning in which about 40 of 80 guests at a wedding reception became ill. Onset of illness occurred from 3½ to 6 hours after a meal of fried chicken, baked beans, potato salad, ice cream, and beverages. Investigation revealed that the first batch of potato salad was kept unrefrigerated for several hours prior to serving but that another batch prepared by another individual was kept refrigerated. Those persons eating the unrefrigerated salad became ill with nausea, vomiting, cramps, diarrhea, and general weakness. Two adults and 2 children were hospitalized for 3 days. No pathogenic organisms were recovered from any of the food samples.

QUARANTINE MEASURES

Immunization Information for International Travel  
Public Health Service Publication No. 384 (1958)

Change Reported

The following name should be added to the list of Designated Yellow Fever Vaccination Centers, Section 6:

State and city	Center	Clinic hours	Fee
Idaho Pocatello	Southeastern District Health Department 115 North Sixth Tel. CE 2-8231, ext. 37	Wednesday 1-3 p.m.	Yes

# 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 30, 1958, AND AUGUST 29, 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.			
			34th week		Cumulative first 34 weeks				34th week		Cumulative first 34 weeks	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES <sup>1</sup> -----	7	10	9	15	481	400	52	90	543	231	14,763	10,081
NEW ENGLAND-----	1	-	-	-	5	5	2	-	11	6	470	370
Maine-----	-	-	-	-	-	-	-	-	-	-	80	49
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	13	2
Vermont-----	-	-	-	-	-	-	-	-	-	1	22	14
Massachusetts-----	-	-	-	-	5	4	2	-	6	4	211	181
Rhode Island-----	-	-	-	-	-	-	-	-	-	1	44	49
Connecticut-----	1	-	-	-	-	1	-	-	5	-	100	75
MIDDLE ATLANTIC-----	-	-	-	-	42	30	8	4	34	57	2,208	1,301
New York-----	-	-	-	-	21	15	4	3	14	43	1,304	892
New Jersey-----	-	-	-	-	9	1	1	-	5	4	248	105
Pennsylvania-----	-	-	-	-	12	14	3	1	15	10	656	304
EAST NORTH CENTRAL-----	1	1	1	-	23	29	22	24	48	51	2,437	1,819
Ohio-----	-	-	-	-	7	6	6	5	13	11	716	570
Indiana-----	-	-	-	-	3	13	10	7	7	3	232	168
Illinois-----	-	1	1	-	9	4	2	12	14	14	507	447
Michigan-----	-	-	-	-	2	5	4	-	12	3	839	469
Wisconsin-----	1	-	-	-	2	1	-	-	2	20	143	145
WEST NORTH CENTRAL-----	5	6	-	-	37	72	-	5	54	9	1,190	867
Minnesota-----	-	1	-	-	18	30	-	-	12	3	299	117
Iowa-----	2	1	-	-	3	13	-	-	1	-	109	153
Missouri-----	2	1	-	-	3	13	-	-	9	4	332	171
North Dakota-----	1	1	-	-	2	3	-	5	9	-	228	145
South Dakota-----	-	-	-	-	3	5	-	-	15	-	32	10
Nebraska-----	-	-	-	-	8	8	-	-	1	-	55	56
Kansas-----	-	2	-	-	-	-	-	-	7	2	135	215
SOUTH ATLANTIC-----	-	-	3	3	122	106	1	14	31	11	1,313	740
Delaware-----	-	-	-	-	-	-	-	-	-	1	80	37
Maryland-----	-	-	-	-	7	3	1	-	3	2	308	84
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	12	12
Virginia-----	-	-	-	-	8	15	-	-	16	6	291	184
West Virginia-----	-	-	-	-	1	9	-	-	2	1	237	112
North Carolina-----	-	-	1	-	12	13	-	2	3	-	76	39
South Carolina-----	-	-	3	-	12	16	-	11	1	-	24	36
Georgia-----	-	-	-	-	39	29	-	-	2	-	103	76
Florida-----	-	-	2	-	43	21	-	1	4	1	182	160
EAST SOUTH CENTRAL-----	-	2	-	7	52	40	2	4	50	20	1,320	868
Kentucky-----	-	1	-	-	7	4	-	-	18	6	624	402
Tennessee-----	-	1	-	-	5	4	-	-	19	10	307	237
Alabama-----	-	-	-	4	10	20	1	3	10	2	288	174
Mississippi-----	-	-	-	3	30	12	1	1	3	2	101	55
WEST SOUTH CENTRAL-----	-	1	2	4	172	83	6	12	30	19	1,168	823
Arkansas-----	-	-	-	-	34	12	1	-	1	2	57	82
Louisiana-----	-	1	-	4	41	10	-	-	-	1	97	8
Oklahoma-----	-	-	-	-	2	22	1	1	-	-	161	111
Texas-----	-	-	2	-	95	39	4	11	29	16	853	622
MOUNTAIN <sup>1</sup> -----	-	-	1	-	16	28	-	14	22	33	1,968	1,357
Montana-----	-	-	-	-	-	7	-	-	1	5	187	264
Idaho-----	-	-	-	-	-	1	-	-	4	2	203	107
Wyoming-----	-	-	-	-	-	2	-	-	-	-	46	6
Colorado-----	-	-	-	-	15	7	-	-	-	7	1,601	165
New Mexico-----	-	-	-	-	8	9	-	14	8	-	388	244
Arizona-----	-	-	1	-	2	2	-	-	6	16	389	343
Utah-----	-	-	-	-	-	-	-	-	3	3	135	130
Nevada-----	-	-	-	-	1	-	-	-	-	-	19	98
PACIFIC-----	-	-	2	1	12	7	11	13	63	25	2,689	1,936
Alaska-----	-	-	2	-	5	-	-	-	5	-	35	(66)
Washington-----	-	-	-	-	-	-	-	-	12	7	364	320
Oregon-----	-	-	-	1	3	3	-	5	14	6	539	268
California-----	-	-	-	-	4	4	11	8	32	12	1,751	1,348
Hawaii-----	-	-	-	-	2 <sup>2</sup>	-	-	-	-	-	232	48
Puerto Rico-----	-	-	-	1	20	32	-	-	2	-	201	99

<sup>1</sup>Date exclude report from Colorado for the current week.

<sup>2</sup>Data exclude report from Hawaii for the current week.

4 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 30, 1958, AND AUGUST 29, 1959—Continued

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

AREA	POLIOMYELITIS 080										MRABLES	
	Total <sup>3</sup>				Paralytic 080.0,080.1				Nonparalytic		085	
	34th week		Cumulative first 34 weeks		34th week		Cumulative first 34 weeks		080.2		085	
	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958	1959	1958
CONT. UNITED STATES <sup>1</sup> -----	533	285	3,968	2,187	318	126	2,449	1,054	146	108	1,150	1,460
NEW ENGLAND-----	23	6	118	49	17	-	80	21	4	6	44	74
Maine-----	1	-	2	2	1	-	2	2	-	-	9	18
New Hampshire-----	-	-	1	4	-	-	-	-	-	-	-	-
Vermont-----	-	-	1	2	-	-	1	1	-	-	8	3
Massachusetts-----	15	4	39	15	11	-	28	3	2	4	21	37
Rhode Island-----	1	-	3	2	1	-	3	2	-	-	-	-
Connecticut-----	6	2	72	24	4	-	46	13	2	2	6	16
MIDDLE ATLANTIC-----	38	39	241	249	18	17	133	135	13	12	144	211
New York-----	12	13	136	110	5	4	76	60	-	7	72	114
New Jersey-----	19	23	53	108	9	10	27	49	10	5	59	35
Pennsylvania-----	7	3	52	31	4	3	30	26	3	-	13	62
EAST NORTH CENTRAL-----	100	129	480	529	45	43	216	208	37	50	288	358
Ohio-----	17	22	132	93	9	8	57	23	3	-	20	71
Indiana-----	14	18	72	50	7	5	49	21	1	2	8	11
Illinois-----	35	15	96	66	23	5	51	19	7	3	81	77
Michigan-----	33	68	162	292	6	25	48	136	26	43	46	113
Wisconsin-----	1	6	18	28	-	-	11	9	-	2	133	86
WEST NORTH CENTRAL-----	86	25	836	1,26	36	12	408	54	30	11	47	39
Minnesota-----	15	2	86	11	13	2	69	5	2	-	9	2
Iowa-----	19	2	279	23	7	2	116	6	10	-	16	36
Missouri-----	31	16	255	41	10	7	144	24	8	9	-	-
North Dakota-----	-	1	3	19	-	1	-	14	-	-	21	-
South Dakota-----	-	-	8	6	-	-	-	1	-	-	-	1
Nebraska-----	5	1	94	11	2	-	52	2	3	1	1	-
Kansas-----	16	3	111	15	4	-	27	2	7	1	(*)	(*)
SOUTH ATLANTIC-----	85	29	611	392	67	21	452	183	16	6	82	132
Delaware-----	-	-	4	11	-	-	4	5	-	-	-	1
Maryland-----	2	1	9	6	2	-	9	5	-	1	11	12
District of Columbia-----	-	-	3	5	-	-	3	3	-	-	2	1
Virginia-----	25	5	151	59	18	4	103	43	7	1	25	25
West Virginia-----	13	13	62	63	13	10	49	37	-	2	24	21
North Carolina-----	13	2	119	59	9	1	99	17	4	1	-	2
South Carolina-----	8	-	40	11	5	-	22	6	1	-	4	51
Georgia-----	19	3	90	25	15	2	69	17	4	1	-	13
Florida-----	5	5	133	153	5	4	94	50	-	-	16	6
EAST SOUTH CENTRAL-----	82	8	451	165	63	4	349	58	17	3	79	179
Kentucky-----	1	1	31	24	1	1	28	17	-	-	15	90
Tennessee-----	47	5	183	52	35	1	143	15	10	3	57	76
Alabama-----	25	1	167	22	22	1	142	20	3	-	4	8
Mississippi-----	9	1	70	67	5	1	36	6	4	-	3	5
WEST SOUTH CENTRAL-----	50	33	745	389	30	21	495	232	19	12	127	168
Arkansas-----	15	-	168	11	10	-	142	9	5	-	1	12
Louisiana-----	6	5	90	43	3	4	63	31	3	1	2	-
Oklahoma-----	10	-	110	39	4	-	57	12	5	-	3	11
Texas-----	19	28	377	296	13	17	233	180	6	11	121	145
MOUNTAIN <sup>1</sup> -----	7	7	104	107	6	2	59	55	1	5	86	189
Montana-----	-	1	6	41	-	1	2	31	-	-	15	57
Idaho-----	-	-	5	5	-	-	-	-	-	-	2	9
Wyoming-----	-	-	2	3	-	-	-	1	-	-	5	7
Colorado-----	-	2	19	11	-	-	18	8	-	2	-	68
New Mexico-----	1	-	25	21	1	-	12	7	-	-	9	12
Arizona-----	4	3	51	17	3	1	33	6	1	2	6	23
Utah-----	2	-	4	6	2	-	2	2	-	-	49	12
Nevada-----	-	1	2	3	-	-	1	-	-	1	2	1
PACIFIC-----	62	9	382	181	36	6	257	108	9	3	253	110
Alaska-----	2	-	12	(1)	-	-	7	(1)	-	-	129	(5)
Washington-----	15	-	65	14	-	-	-	3	-	-	16	16
Oregon-----	16	5	79	24	15	3	62	15	1	2	35	29
California-----	29	4	226	143	21	3	188	90	8	1	73	65
Hawaii-----	-	1	24	56	-	1	24	56	-	-	-	19
Puerto Rico-----	-	2	3	52	-	2	3	49	-	-	13	26

<sup>1</sup>Data exclude report from Colorado for the current week.

<sup>2</sup>Data exclude report from Hawaii for the current week.

<sup>3</sup>Includes cases not specified by type, category number 080.3.

# 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 30, 1958, AND AUGUST 29, 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	34th week		Cumulative first 34 weeks		101	1959	1958
	1959	1959	1958	1959	1959	1959	1958	1959	1958	1959	1959	1958
CONT. UNITED STATES <sup>1</sup> -----	2	22	32	158	2	23	38	499	649	-	67	89
NEW ENGLAND-----		3		8		1	2	11	13			
Maine-----						1		2	1			
New Hampshire-----									1			
Vermont-----									1			
Massachusetts-----		2		8				3	5			
Rhode Island-----							1	1	1			
Connecticut-----		1					1	5	5			
MIDDLE ATLANTIC-----		3	2	2		2	3	46	75		20	6
New York-----		1	2				1	17	24		20	6
New Jersey-----		1		4			2	10	15			
Pennsylvania-----		1					2	19	36			
EAST NORTH CENTRAL-----		3	15	61	1	1	12	65	65		2	7
Ohio-----			1	25		1	5	37	24			
Indiana-----			2	15			1	8	10			3
Illinois-----			3	12			6	12	16			1
Michigan-----		3	8	7	1			7	9		2	1
Wisconsin-----			1	4				1	6			2
WEST NORTH CENTRAL-----		1	3			1	2	32	53		15	27
Minnesota-----		1	1					-	3		5	15
Iowa-----						1		2	9		3	2
Missouri-----			2				1	12	25		4	6
North Dakota-----								4	1			4
South Dakota-----								3	6			
Nebraska-----								4	2		3	
Kansas-----							1	7	7			
SOUTH ATLANTIC-----		1	3	33		6	3	89	115		6	16
Delaware-----								-	5			
Maryland-----				1				3	5			
District of Columbia-----				6				2	6			
Virginia-----			1	13				17	22			1
West Virginia-----			1	9			1	9	14		3	5
North Carolina-----			1			2		8	14			1
South Carolina-----								7	8			1
Georgia-----								4	2		2	5
Florida-----				5				21	16		1	3
EAST SOUTH CENTRAL-----			5	7		5	3	67	74		3	13
Kentucky-----				1		2	3	11	22		2	10
Tennessee-----			2	3		3		36	20		1	1
Alabama-----			3					7	13			2
Mississippi-----				3				13	19			
WEST SOUTH CENTRAL-----	1	1	1	11		3	11	106	159		8	15
Arkansas-----				1		1	3	21	23			
Louisiana-----							1	14	57			
Oklahoma-----		1						15	7			
Texas-----	1		1	10		2	7	56	72		8	15
MOUNTAIN <sup>1</sup> -----		1	1	4		1	1	25	50		1	1
Montana-----			1					1	3			
Idaho-----								4	6			
Wyoming-----				1				2	2			
Colorado-----								1	5			
New Mexico-----						1		9	18		1	1
Arizona-----				1			1	5	8			
Utah-----		1		2								
Nevada-----									8			
PACIFIC-----	1	9	2	32	1	3	1	58	45		12	4
Alaska-----		7						2				
Washington-----		1	2	2				1				
Oregon-----				1				5	7			
California-----	1	1		4	1	3	1	50	38		12	4
Hawaii-----								2	1			
Puerto Rico-----								13	16			

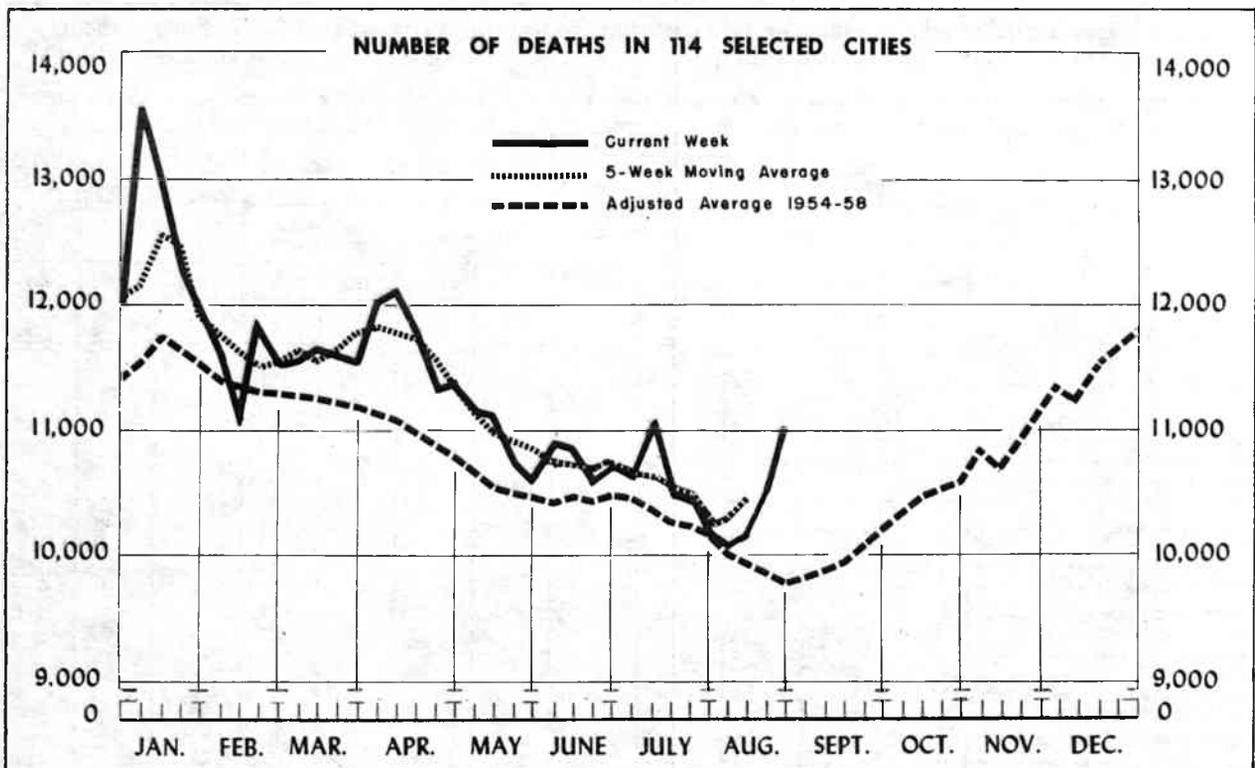
<sup>1</sup>Data exclude report from Colorado for the current week.

<sup>2</sup>Data exclude report from Hawaii for the current week.

<sup>4</sup>Aseptic meningitis.

<sup>5</sup>Includes 3 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.

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	34th week ended Aug. 29, 1959	33d week ended Aug. 22, 1959	Adjusted average, 34th week 1954-58	Percent change, adjusted average to current week <sup>1</sup>	CUMULATIVE NUMBER FIRST 34 WEEKS		
					1959	1958	Percent change
TOTAL, REPORTING CITIES-----	<sup>2</sup> 11,019	10,590	9,783	+12.6	<sup>3</sup> 383,045	381,300	+0.5
New England----- (14 cities)	<sup>2</sup> 657	673	623	+5.5	<sup>2</sup> 24,232	24,084	+0.6
Middle Atlantic----- (20 cities)	3,104	3,233	2,766	+12.2	111,217	110,089	+1.0
East North Central----- (19 cities)	2,573	2,226	2,126	+21.0	81,649	81,072	+0.7
West North Central----- (9 cities)	779	698	705	+10.5	<sup>4</sup> 26,659	26,904	-0.9
South Atlantic----- (11 cities)	908	899	818	+11.0	32,919	33,273	-1.1
East South Central----- (8 cities)	544	500	457	+19.0	17,459	17,960	-2.8
West South Central----- (13 cities)	916	878	819	+11.8	32,082	32,538	-1.4
Mountain----- (8 cities)	290	259	238	+21.8	10,750	10,128	+6.1
Pacific----- (12 cities)	1,248	1,224	1,190	+4.9	46,078	45,252	+1.8

<sup>1</sup>Adjusted average used as base. report for week ended August 7.

<sup>2</sup>Includes estimate for missing city.

<sup>3</sup>Includes estimate for missing city and revised

<sup>4</sup>Includes revised report for week ended August 7.

# Morbidity and Mortality Weekly Report

7

**Table 4. DEATHS IN SELECTED CITIES**

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

AREA	34th week ended Aug. 29, 1959	35d week ended Aug. 22, 1959	CUMULATIVE NUMBER FIRST 34 WEEKS		AREA	34th week ended Aug. 29, 1959	35d week ended Aug. 22, 1959	CUMULATIVE NUMBER FIRST 34 WEEKS	
			1959	1958				1959	1958
<b>NEW ENGLAND:</b>					<b>WEST NORTH CENTRAL—Con.:</b>				
Boston, Mass.-----	228	231	8,240	8,515	St. Louis, Mo.-----	243	200	8,098	8,326
Bridgeport, Conn.-----	26	41	1,378	1,282	St. Paul, Minn.-----	62	60	<sup>2</sup> 2,224	2,483
Cambridge, Mass.-----	26	33	975	989	Wichita, Kans.-----	27	60	1,643	1,549
Fall River, Mass.-----	28	24	975	935	<b>SOUTH ATLANTIC:</b>				
Hartford, Conn.-----	44	33	1,685	1,707	Atlanta, Ga.-----	101	82	3,740	3,763
Lowell, Mass.-----	27	17	792	902	Baltimore, Md.-----	219	229	8,335	8,485
Lynn, Mass.-----	21	25	795	769	Charlotte, N. C.-----	37	23	1,251	1,190
New Bedford, Mass.-----	<sup>1</sup> 19	25	<sup>2</sup> 812	802	Jacksonville, Fla.-----	46	57	1,964	2,090
New Haven, Conn.-----	46	41	1,539	1,556	Miami, Fla.-----	61	74	2,398	2,499
Providence, R. I.-----	57	68	2,212	2,183	Norfolk, Va.-----	37	41	1,350	1,203
Somerville, Mass.-----	13	16	448	468	Richmond, Va.-----	87	78	2,675	2,604
Springfield, Mass.-----	40	45	1,529	1,434	Savannah, Ga.-----	30	27	1,125	1,117
Waterbury, Conn.-----	21	25	940	903	St. Petersburg, Fla.-----	(53)	(67)	(2,190)	(2,268)
Worcester, Mass.-----	61	49	1,912	1,839	Tampa, Fla.-----	66	45	2,148	2,319
<b>MIDDLE ATLANTIC:</b>					Washington, D. C.-----	189	206	6,626	6,718
Albany, N. Y.-----	40	52	1,842	1,668	Wilmington, Del.-----	35	37	1,307	1,285
Allentown, Pa.-----	31	35	1,194	1,118	<b>EAST SOUTH CENTRAL:</b>				
Buffalo, N. Y.-----	134	138	4,955	5,109	Birmingham, Ala.-----	95	83	2,803	3,025
Camden, N. J.-----	34	58	1,413	1,452	Chattanooga, Tenn.-----	47	35	1,559	1,673
Elizabeth, N. J.-----	36	34	1,019	1,012	Knoxville, Tenn.-----	31	20	994	950
Erie, Pa.-----	39	27	1,275	1,184	Louisville, Ky.-----	108	108	3,823	3,784
Jersey City, N. J.-----	74	81	2,560	2,429	Memphis, Tenn.-----	141	118	3,852	3,991
Newark, N. J.-----	108	94	3,420	3,267	Mobile, Ala.-----	49	38	1,338	1,337
New York City, N. Y.-----	1,653	1,734	57,019	55,601	Montgomery, Ala.-----	28	36	1,115	1,167
Paterson, N. J.-----	27	34	1,319	1,402	Nashville, Tenn.-----	45	62	1,975	2,033
Philadelphia, Pa.-----	466	405	16,992	17,402	<b>WEST SOUTH CENTRAL:</b>				
Pittsburgh, Pa.-----	133	181	6,353	6,617	Austin, Tex.-----	37	22	1,093	1,142
Reading, Pa.-----	25	28	770	743	Baton Rouge, La.-----	35	25	932	958
Rochester, N. Y.-----	101	104	3,300	3,435	Corpus Christi, Tex.-----	21	15	715	723
Schenectady, N. Y.-----	22	25	858	770	Dallas, Tex.-----	114	102	3,995	3,956
Scranton, Pa.-----	33	33	1,262	1,177	El Paso, Tex.-----	38	36	1,256	1,233
Syracuse, N. Y.-----	51	65	2,127	2,114	Fort Worth, Tex.-----	47	57	2,159	2,097
Trenton, N. J.-----	38	40	1,489	1,641	Houston, Tex.-----	143	148	5,292	5,426
Utica, N. Y.-----	23	30	950	918	Little Rock, Ark.-----	49	50	1,870	1,856
Yonkers, N. Y.-----	36	35	1,100	1,030	New Orleans, La.-----	167	150	5,722	6,061
<b>EAST NORTH CENTRAL:</b>					Oklahoma City, Okla.-----	72	65	2,348	2,312
Akron, Ohio-----	42	51	2,001	1,959	San Antonio, Tex.-----	101	98	3,290	3,358
Canton, Ohio-----	36	30	1,145	1,068	Shreveport, La.-----	41	60	1,738	1,697
Chicago, Ill.-----	856	707	25,896	25,857	Tulsa, Okla.-----	51	50	1,672	1,719
Cincinnati, Ohio-----	152	130	5,420	5,554	<b>MOUNTAIN:</b>				
Cleveland, Ohio-----	227	211	7,131	7,131	Albuquerque, N. Mex.-----	32	21	1,047	966
Columbus, Ohio-----	141	108	3,953	3,850	Colorado Springs, Colo.-----	14	13	523	501
Dayton, Ohio-----	72	56	2,282	2,464	Denver, Colo.-----	128	87	3,961	3,848
Detroit, Mich.-----	370	315	11,197	10,814	Ogden, Utah-----	12	13	535	513
Evansville, Ind.-----	33	37	1,281	1,346	Phoenix, Ariz.-----	36	51	1,743	1,530
Flint, Mich.-----	35	28	1,356	1,295	Pueblo, Colo.-----	15	14	469	427
Fort Wayne, Ind.-----	40	41	1,233	1,198	Salt Lake City, Utah-----	31	36	1,667	1,646
Gary, Ind.-----	23	38	1,045	1,103	Tucson, Ariz.-----	22	24	805	697
Grand Rapids, Mich.-----	45	34	1,441	1,406	<b>PACIFIC:</b>				
Indianapolis, Ind.-----	153	116	4,761	4,337	Berkeley, Calif.-----	9	11	576	651
Madison, Wis.-----	(36)	(29)	(1,013)	(1,115)	Fresno, Calif.-----	(48)	(34)	(1,370)	(1,305)
Milwaukee, Wis.-----	115	117	4,345	4,525	Glendale, Calif.-----	(38)	(35)	(1,234)	(1,140)
Peoria, Ill.-----	33	22	990	1,089	Long Beach, Calif.-----	57	50	1,891	1,863
Rockford, Ill.-----	(21)	(32)	(954)	(905)	Los Angeles, Calif.-----	474	431	16,534	16,570
South Bend, Ind.-----	44	27	929	909	Oakland, Calif.-----	80	93	3,146	3,184
Toledo, Ohio-----	102	88	3,407	3,386	Pasadena, Calif.-----	26	31	1,087	1,197
Youngstown, Ohio-----	54	70	1,836	1,801	Portland, Oreg.-----	108	112	3,834	3,582
<b>WEST NORTH CENTRAL:</b>					Sacramento, Calif.-----	47	53	1,876	1,772
Des Moines, Iowa-----	51	64	1,820	1,858	San Diego, Calif.-----	86	71	2,778	2,775
Duluth, Minn.-----	13	20	864	864	San Francisco, Calif.-----	173	183	6,656	6,413
Kansas City, Kans.-----	44	48	1,213	895	San Jose, Calif.-----	(25)	---	---	(764)
Kansas City, Mo.-----	145	99	4,107	4,186	Seattle, Wash.-----	111	107	4,578	4,567
Lincoln, Nebr.-----	(27)	(28)	(883)	(860)	Spokane, Wash.-----	43	56	1,699	1,567
Minneapolis, Minn.-----	133	94	4,248	4,332	Tacoma, Wash.-----	34	26	1,423	1,311
Omaha, Nebr.-----	61	53	2,442	2,411	Honolulu, Hawaii-----	(50)	(40)	(1,296)	(1,252)

<sup>1</sup>Estimated

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

<sup>3</sup>Includes revised report for week ended August 7.

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

SOURCE AND NATURE OF MORBIDITY DATA

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

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