

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 January 3, 1959

Washington 25, D. C.

Vol. 7, No. 52

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended December 27, 1958

Information has been received of 2 confirmed cases and 1 unconfirmed case of smallpox in Heidelberg, Germany. The original case was in a physician who had been in Madras, India, from November 15 to 26 and then went to Ceylon on November 30. He left for Heidelberg on December 3 and arrived December 5 and was admitted to a hospital. The physician first developed symptoms on November 26 and 4 days later a pustular eruption appeared. He was met at the train in Heidelberg by two physicians both of whom subsequently became ill. The first was hospitalized on December 15 and the other on December 17. Public Health Service Foreign Quarantine Stations have been advised to enforce all smallpox regulations on all arrivals from Western Europe.

The cumulative 1958 figure for poliomyelitis totals 5,995 reported cases. Of these, 3,083 (51 percent) were paralytic and 2,018 (34 percent) nonparalytic. In 1957 the provisional figures were 5,894 total cases, 2,159 (37 percent) paralytic and 2,802 (48 percent) nonparalytic cases. In 1956 there were 15,400 reported cases of which 6,708 were paralytic and 5,878 nonparalytic. Until this year the number of cases has been decreasing sharply since 1954. The relatively high percentage of paralytic cases this year is no doubt due to more accurate diagnoses before the report is made and a reluctance to report nonparalytic disease without laboratory confirmation. The figure probably will not differ greatly from the final figure

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: Continental United States

(Numbers after diseases are category numbers of the Seventh Revision of the International Lists, 1955)

DISEASE	52d WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Dec. 27, 1958 ¹	Ended Dec. 28, 1957	Median 1953-57	First 52 weeks			Since seasonal low week			
				1958 ²	1957	Median 1953-57	1957-58 ²	1956-57	Median 1952-53 to 1956-57	
Anthrax-----062	3 ¹	-	-	16	21	27	(⁴)	(⁴)	(⁴)	(⁴)
Botulism-----049,1	-	-	-	4	11	12	(⁴)	(⁴)	(⁴)	(⁴)
Bruceellosis (undulant fever)-----044	5	8	16	787	907	1,264	(⁴)	(⁴)	(⁴)	(⁴)
Diphtheria-----055	23	58	38	919	1,236	2,033	569	772	1,188	July 1
Encephalitis, infectious-----082	16	25	22	2,318	1,858	1,858	1,709	1,298	1,298	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	254	149	419	15,632	14,815	31,620	5,037	3,805	7,509	Sept. 1
Malaria-----110-117	1	1	5	77	146	479	(⁴)	(⁴)	(⁴)	(⁴)
Measles-----085	4,180	4,837	4,510	755,715	482,557	552,647	45,352	32,903	32,903	Sept. 1
Meningococcal infections-----057	43	62	57	2,587	2,642	3,487	815	957	957	Sept. 1
Meningitis, other-----340	38	37	---	4,353	2,348	---	---	---	---	---
Poliomyelitis-----080	58	31	157	5,995	5,894	29,303	5,776	5,368	28,152	Apr. 1
Paralytic-----080,0,080,1	37	18	---	3,083	2,158	---	2,962	1,884	---	Apr. 1
Nonparalytic-----080,2	10	6	---	2,018	2,802	---	1,950	2,639	---	Apr. 1
Unspecified-----080,3	11	7	---	894	934	---	864	845	---	Apr. 1
Psittacosis-----096,2	3	11	5	141	262	268	(⁴)	(⁴)	(⁴)	(⁴)
Rabies in man-----094	-	-	-	6	5	9	(⁴)	(⁴)	(⁴)	(⁴)
Typhoid fever-----040	13	9	22	1,066	1,276	1,759	889	1,019	1,447	Apr. 1
Typhus fever, endemic-----101	3	-	1	74	114	131	62	89	115	Apr. 1
Rabies in animals-----	48	93	91	4,489	4,218	5,096	819	815	1,031	Oct. 1

¹Data include report from Florida for week ended December 20 combined with report for current week, and exclude report from South Dakota for current week. ²Data include delayed reports from Florida, Idaho, Montana, and New Mexico for week ended December 20 and exclude report from South Dakota for current week. ³Reported in Pennsylvania. ⁴Data show no pronounced seasonal change in incidence. ⁵Includes revised report for one or more of the categories of poliomyelitis for Tennessee.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

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which will be available about the middle of 1959.

The first outbreak of poliomyelitis was reported in Hawaii and began in May. This was followed by an outbreak in Montana in June; and Virginia and West Virginia reported increased incidence in contiguous areas in the same month. New Jersey reported an increased incidence in early July; and the outbreak in the Detroit, Michigan, area began in late July. California and Texas reported rather consistently high figures through the summer and into November. Ohio also reported high figures for a number of weeks during August, September, and October; most of these cases were unspecified.

The peak week for both total cases and paralytic cases was the week ended September 20 when 431 total cases were reported and 221 paralytic cases. The weekly incidence of paralytic cases was low during the first half of the year but about the first of August it rose above comparable figures for 1957 and has continued higher throughout the rest of the year. During October and November the weekly incidence of paralytic cases was close to that of 1956.

The highest incidence of paralytic cases was in Michigan with 490 cases. Texas reported 422 paralytic cases and California reported 247. Other States with more than 100 paralytic cases were New York, Missouri, West Virginia, Virginia, New Jersey, and Ohio in descending order. Of this group, only California had fewer paralytic cases than in 1957. New Hampshire and Idaho reported no paralytic cases; 9 other States and the District of Columbia had less than 10 cases. The cumulative figures for total cases are shown in table 2.

The number of reported cases of meningitis other is nearly double the figure for 1957. Much of this increase is due to the inclusion of cases of aseptic meningitis under this category for some of the States. During the last half of 1958 about one-third of the cases shown as "other" types of meningitis were specified to be aseptic meningitis; most of these were reported in California where aseptic meningitis became a notifiable disease category on July 1. Outbreaks of aseptic meningitis affecting more than 100 persons have been reported in Maryland, South Carolina, and Vermont.

Six cases of rabies in man have been recorded during 1958. The last of these cases occurred in South Dakota for which detailed information is not yet available. The other 5 victims were a 4-year-old boy and a 55-year-old man who were bitten on the face by dogs, a 60-year-old woman bitten on the fingers by a fox, a woman bitten by a rabid bat, and a 10-year-old boy who showed no lesions resulting from animal contact. The cases occurred in California, Georgia, Ohio (2), and South Carolina. One person received treatment with both hyperimmune serum and vaccine and 1 person received 14 doses of vaccine but no serum. The others received neither. The case resulting from the bite of a bat is the first proved case in this country from such a source.

The number of cases of typhoid fever in 1958, close to 1,100 cases, is about 17 percent less than occurred in 1957 and about 40 percent less than the 1956 total. Almost 20 percent of the cases in 1958 were reported in Texas and California. In Los Angeles there was an outbreak of more than 20 cases. This outbreak was traced to a common source. Epidemiological reports show that outbreaks involving as many as 7 members of a family occurred in Louisiana. Organisms of phage type E4 were isolated from several persons in these families. It was reported this is probably the first instance in which this phage

type has been isolated from persons in that State. New Jersey reported an outbreak of 6 confirmed cases in a community which lacked public water and sewerage facilities. Another report, received from Florida, told about 3 cases of typhoid fever in children who swam in a small stream containing untreated sewage.

EPIDEMIOLOGICAL REPORTS

Salmonellosis

Dr. A. C. Hollister, Jr., California State Department of Public Health, has supplied additional information about an outbreak of Salmonella dublin infections in Los Angeles County, traced to a certified raw milk dairy and which was reported for the week ended December 13, 1958. By December 12 there had been 11 laboratory-proved cases and 19 suspect cases. Onsets of all but one of the infections occurred between October 29 and November 5; the one exception had onset November 21. The first case was in a person employed as a bottle washer at the dairy. This person carried on his duties during his illness until November 6 when a feces specimen was found to be positive for S. dublin; and he then was moved to another activity. Two other employees who had nothing to do with the milk processing gave a history of diarrhea and several route drivers were ill. These men reportedly drank raw milk. Sixteen of a group of 17 Boy Scouts and Camp Fire Girls became ill the day after they toured the plant and were given raw milk to drink. The one who did not become ill did not drink the milk. A woman and her granddaughter also became ill after drinking milk from the dairy. They both had positive laboratory specimens.

The case that occurred on November 21 was in a 7-week-old infant who had convulsions but no diarrhea. This infant had ingested unpasteurized carrot juice purchased from this dairy and added to the formula; the milk was from another dairy. The carrot juice was received in large containers at the dairy and then bottled on the same bottling line that handles the raw milk. It was reported that the juice was prepared in a very hygienic plant. No other cases have been traced to the carrot juice.

Bacteriological counts at the dairy were reported to be high on October 27, but down the next day. Fifteen pooled milk specimens were negative for Salmonella. All of the dairy workers were given laboratory examinations and found negative. To date 3 isolations of Salmonella organisms have been made from cows in the herd of about 400 animals.

Typhoid fever

Information has been received from the Iowa State Department of Health about a case of typhoid fever in an 18-year-old housewife. Agglutination tests were positive; titers increased from 1:320 to 1:2560 over a 10-day period. Six stool cultures were obtained before the woman left the State; all were negative. A stool specimen was obtained from her husband and also was reported to be negative. He gave a history of having had contact with typhoid fever on an Indian reservation.

QUARANTINE MEASURES

Immunization Information for International Travel

No changes reported.

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 28, 1957, AND DECEMBER 27, 1958

(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, INFECTIONOUS		HEPATITIS, INFECTIONOUS, AND SERUM 092,N998.5 pt.			
	044		52d week		Cumulative first 52 weeks		082		52d week		Cumulative first 52 weeks	
	1958	1957	1958	1957	1958 ¹	1957	1958	1957	1958	1957	1958 ¹	1957
CONT. UNITED STATES ² -----	5	8	23	58	919	1,236	16	25	254	149	15,632	14,815
NEW ENGLAND-----	-	1	-	-	9	27	1	1	11	6	604	770
Maine-----	-	-	-	-	-	3	-	1	-	2	77	240
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	2	8
Vermont-----	-	-	-	-	-	-	-	-	-	-	33	88
Massachusetts-----	-	1	-	-	8	24	-	-	6	3	298	231
Rhode Island-----	-	-	-	-	-	-	1	-	3	-	73	78
Connecticut-----	-	-	-	-	1	-	-	-	2	1	121	125
MIDDLE ATLANTIC-----	1	-	1	1	40	93	3	6	55	24	2,180	2,400
New York-----	1	-	-	-	17	40	3	6	29	18	1,458	1,505
New Jersey-----	-	-	1	-	6	10	-	-	14	1	183	288
Pennsylvania-----	-	-	-	1	17	43	-	-	12	5	539	607
EAST NORTH CENTRAL-----	-	1	-	41	47	164	2	5	36	30	2,623	2,571
Ohio-----	-	-	-	-	11	14	-	2	5	11	821	631
Indiana-----	-	-	-	1	17	19	1	2	6	2	251	334
Illinois-----	-	1	-	-	12	3	-	1	8	5	630	702
Michigan-----	-	-	-	40	6	126	1	-	13	11	688	667
Wisconsin-----	-	-	-	-	1	2	-	-	4	1	233	237
WEST NORTH CENTRAL ² -----	2	5	2	2	137	93	2	3	20	4	1,251	796
Minnesota-----	-	1	2	-	73	35	1	-	4	2	192	295
Iowa-----	1	1	-	1	14	13	-	-	1	1	201	177
Missouri-----	-	-	-	-	14	1	-	2	4	1	255	130
North Dakota-----	-	-	-	-	4	3	-	-	9	-	245	102
South Dakota ² -----	-	-	-	-	18	10	-	1	-	-	17	36
Nebraska-----	-	2	-	1	12	24	-	-	2	-	91	24
Kansas-----	1	1	-	-	2	7	1	-	-	-	250	32
SOUTH ATLANTIC ² -----	-	-	8	10	289	398	2	-	21	9	1,201	1,126
Delaware-----	-	-	-	-	-	-	-	-	2	-	62	12
Maryland-----	-	-	-	-	3	3	1	-	7	-	184	95
District of Columbia-----	-	-	-	-	2	-	-	-	1	-	21	13
Virginia-----	-	-	-	-	34	20	1	-	2	3	286	425
West Virginia-----	-	-	-	-	10	10	-	-	-	3	160	101
North Carolina-----	-	-	-	-	29	50	-	-	-	1	65	111
South Carolina-----	-	-	-	1	41	106	-	-	-	-	42	36
Georgia-----	-	-	-	9	107	122	-	-	2	1	139	135
Florida ² -----	-	-	8	-	63	87	-	-	7	1	242	198
EAST SOUTH CENTRAL-----	-	-	4	2	109	163	1	2	25	14	1,253	1,834
Kentucky-----	-	-	2	1	7	19	-	1	21	7	619	786
Tennessee-----	-	-	1	1	14	13	-	-	1	-	320	642
Alabama-----	-	-	-	-	53	71	1	1	3	7	225	273
Mississippi-----	-	-	1	-	35	60	-	-	-	-	89	133
WEST SOUTH CENTRAL-----	1	1	6	2	213	214	3	-	10	12	1,137	1,146
Arkansas-----	-	-	2	-	46	46	1	-	-	1	104	82
Louisiana-----	-	-	1	-	75	25	-	-	-	-	13	52
Oklahoma-----	-	1	-	-	25	23	-	-	1	3	156	144
Texas-----	1	-	3	2	67	120	2	-	9	8	864	868
MOUNTAIN-----	-	-	2	-	62	49	-	1	31	19	2,421	1,392
Montana-----	-	-	-	-	16	14	-	-	2	2	421	195
Idaho-----	-	-	-	-	2	1	-	-	1	-	209	101
Wyoming-----	-	-	-	-	2	11	-	-	4	-	26	55
Colorado-----	-	-	2	-	14	2	-	-	14	3	327	201
New Mexico-----	-	-	-	-	24	15	-	1	4	4	361	406
Arizona-----	-	-	-	-	4	4	-	-	5	9	795	330
Utah-----	-	-	-	-	-	2	-	-	1	1	179	74
Nevada-----	-	-	-	-	-	-	-	-	-	-	103	30
PACIFIC-----	1	-	-	-	13	35	2	7	45	31	2,962	2,780
Washington-----	-	-	-	-	-	23	-	-	6	7	465	382
Oregon-----	-	-	-	-	8	3	-	-	5	7	450	506
California-----	1	-	-	-	5	9	2	7	34	17	2,047	1,892
Alaska-----	-	-	-	-	-	5	-	-	-	1	81	116
Hawaii-----	-	-	-	-	3	1	-	-	-	2	64	71
Puerto Rico-----	-	-	1	-	54	60	-	-	3	-	177	159

¹Data include delayed reports from Florida, Montana, Idaho, and New Mexico for week ended December 20, and exclude report from South Dakota for current week. ²Data for current week include report from Florida for week ended December 20 combined with report for current week, and exclude report from South Dakota. ³Excludes report for week ended December 20.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 28, 1957, AND DECEMBER 27, 1958—Continued
(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total ⁴				Paralytic		Nonparalytic		110-117		085	
	52d week		Cumulative first 52 weeks		080.0,080.1		080.2		110-117		085	
	1958	1957	1958 ¹	1957	1958	1957	1958	1957	1958	1957	1958	1957
CONT. UNITED STATES ² -----	58	31	5,995	5,894	37	18	10	6	1	1	4,180	4,837
NEW ENGLAND-----	-	-	91	83	-	-	-	-	-	-	369	303
Maine-----	-	-	4	9	-	-	-	-	-	-	3	62
New Hampshire-----	-	-	4	4	-	-	-	-	-	-	4	5
Vermont-----	-	-	6	5	-	-	-	-	-	-	154	3
Massachusetts-----	-	-	30	25	-	-	-	-	-	-	93	198
Rhode Island-----	-	-	3	-	-	-	-	-	-	-	-	4
Connecticut-----	-	-	44	40	-	-	-	-	-	-	115	31
MIDDLE ATLANTIC-----	5	2	714	342	3	-	-	1	-	-	923	611
New York-----	3	1	294	217	3	-	-	1	-	-	77	508
New Jersey-----	2	-	296	79	-	-	-	-	-	-	277	52
Pennsylvania-----	-	1	124	46	-	-	-	-	-	-	569	51
EAST NORTH CENTRAL-----	17	2	2,083	1,546	10	1	2	1	-	-	850	1,626
Ohio-----	4	-	404	273	-	-	-	-	-	-	259	402
Indiana-----	3	-	142	201	2	-	-	-	-	-	143	45
Illinois-----	2	1	241	347	2	1	-	-	-	-	91	187
Michigan-----	7	1	1,233	511	6	-	1	1	-	-	190	68
Wisconsin-----	1	-	63	214	-	-	1	-	-	-	167	924
WEST NORTH CENTRAL ² -----	9	2	423	462	6	2	3	-	-	-	384	75
Minnesota-----	-	-	32	55	-	-	-	-	-	-	3	5
Iowa-----	-	-	76	85	-	-	-	-	-	-	232	9
Missouri-----	3	1	187	126	3	1	-	-	-	-	27	1
North Dakota-----	5	-	48	11	3	-	2	-	-	-	121	55
South Dakota ² -----	-	1	14	42	-	1	-	-	-	-	-	-
Nebraska-----	-	-	34	77	-	-	-	-	-	-	1	5
Kansas-----	1	-	32	66	-	-	1	-	-	-	(*)	-
SOUTH ATLANTIC ² -----	14	2	884	848	11	-	1	1	-	-	369	610
Delaware-----	-	-	29	5	-	-	-	-	-	-	3	1
Maryland-----	-	-	27	41	-	-	-	-	-	-	55	145
District of Columbia-----	-	-	9	70	-	-	-	-	-	-	4	27
Virginia-----	2	-	159	112	2	-	-	-	-	-	165	58
West Virginia-----	-	-	210	51	-	-	-	-	-	-	45	239
North Carolina-----	-	-	108	221	-	-	-	-	-	-	6	9
South Carolina-----	-	-	34	129	-	-	-	-	-	-	3	33
Georgia-----	-	2	56	86	-	-	-	1	-	-	10	69
Florida ² -----	12	-	252	133	9	-	1	-	-	-	78	29
EAST SOUTH CENTRAL-----	4	6	400	425	1	-	2	1	-	1	107	411
Kentucky-----	3	1	84	110	1	-	2	-	-	-	59	75
Tennessee-----	1	-	5134	150	-	-	-	-	-	-	36	324
Alabama-----	-	4	61	59	-	-	-	-	-	1	2	12
Mississippi-----	-	1	121	106	-	-	-	1	-	-	10	-
WEST SOUTH CENTRAL-----	8	8	790	1,105	5	8	2	-	-	-	196	279
Arkansas-----	1	-	32	55	1	-	-	-	-	-	82	55
Louisiana-----	-	-	80	181	-	-	-	-	-	-	1	3
Oklahoma-----	1	2	61	125	-	2	-	-	-	-	-	14
Texas-----	6	6	617	744	4	6	2	-	-	-	113	207
MOUNTAIN-----	-	1	204	246	-	1	-	-	-	-	593	338
Montana-----	-	-	68	12	-	-	-	-	-	-	43	85
Idaho-----	-	-	12	25	-	-	-	-	-	-	6	131
Wyoming-----	-	-	13	13	-	-	-	-	-	-	248	4
Colorado-----	-	-	20	50	-	-	-	-	-	-	216	35
New Mexico-----	-	-	39	50	-	-	-	-	-	-	2	41
Arizona-----	-	1	34	59	-	1	-	-	-	-	66	29
Utah-----	-	-	12	33	-	-	-	-	-	-	12	13
Nevada-----	-	-	6	4	-	-	-	-	-	-	-	-
PACIFIC-----	1	8	406	837	1	6	-	2	1	-	389	584
Washington-----	-	1	38	22	-	1	-	-	-	-	-	56
Oregon-----	1	2	41	52	1	1	-	1	-	-	120	399
California-----	-	5	327	763	-	4	-	1	1	-	269	129
Alaska-----	-	-	2	3	-	-	-	-	-	-	64	5
Hawaii-----	-	-	376	10	-	-	-	-	-	-	4	6
Puerto Rico-----	-	-	60	33	-	-	-	-	-	-	45	42

¹Data include delayed reports from Florida, Montana, Idaho, and New Mexico for week ended December 20, and exclude report from South Dakota for current week. ²Data for current week include report from Florida for week ended December 20 combined with report for current week, and exclude report from South Dakota. ³Excludes report for week ended December 20. ⁴Includes cases not specified by type, category number 080.3. ⁵Includes revised report for one or more of the categories paralytic, nonparalytic, and unspecified poliomyelitis.

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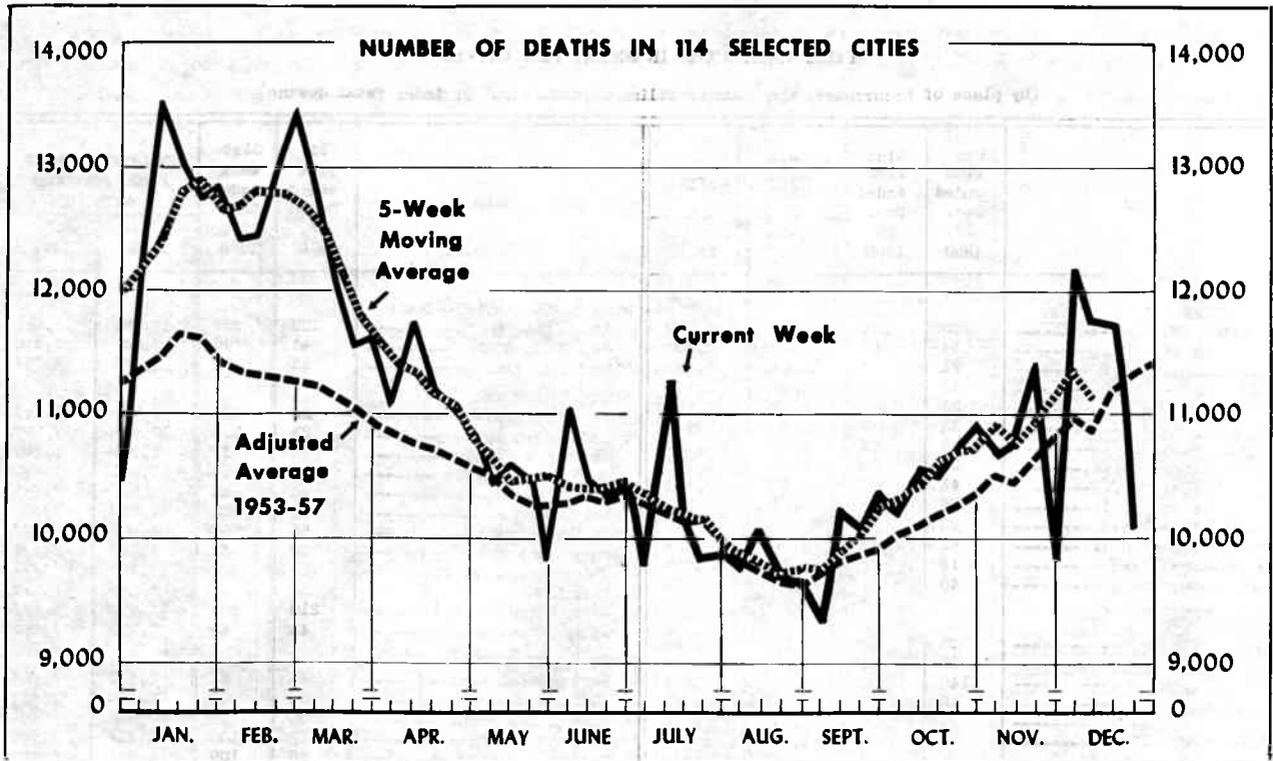
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 28, 1957, AND DECEMBER 27, 1958—Continued

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

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER 340	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC 101	RABIES IN ANIMALS	
	057			096.2		52d week		Cumulative first 52 weeks			1958	1957
	1958	1957	1958	1957	1958	1957	1958 ¹	1957				
CONT. UNITED STATES ² -----	43	62	38	3	11	13	9	1,066	1,276	3	48	93
NEW ENGLAND-----	3	3	3	-	-	-	-	20	25	-	-	-
Maine-----	-	-	-	-	-	-	-	2	2	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	1	2	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	1	3	-	-	-	-	9	13	-	-	-
Rhode Island-----	1	-	-	-	-	-	-	1	5	-	-	-
Connecticut-----	2	2	-	-	-	-	-	7	3	-	-	-
MIDDLE ATLANTIC-----	3	10	-	1	-	1	-	115	156	-	1	1
New York-----	2	1	-	-	-	1	-	40	59	-	-	1
New Jersey-----	-	2	-	-	-	-	-	26	20	-	-	-
Pennsylvania-----	1	7	-	1	-	-	-	49	77	-	1	-
EAST NORTH CENTRAL-----	12	8	13	2	1	1	3	112	181	-	6	12
Ohio-----	5	2	-	-	1	-	1	40	66	-	3	8
Indiana-----	1	2	-	-	-	-	1	20	64	-	2	2
Illinois-----	2	2	8	1	-	-	-	24	21	-	-	-
Michigan-----	4	1	5	-	-	1	-	18	15	-	-	2
Wisconsin-----	-	1	-	1	-	-	1	10	15	-	1	-
WEST NORTH CENTRAL ² -----	3	9	4	-	2	1	1	79	91	-	16	21
Minnesota-----	-	2	1	-	2	-	-	3	6	-	6	9
Iowa-----	1	1	1	-	-	-	-	15	22	-	3	5
Missouri-----	2	-	1	-	-	1	1	38	46	-	6	1
North Dakota-----	-	-	-	-	-	-	-	2	2	-	-	4
South Dakota ² -----	-	2	-	-	-	-	-	7	8	-	-	-
Nebraska-----	-	3	-	-	-	-	-	3	1	-	1	2
Kansas-----	-	1	1	-	-	-	-	11	6	-	-	-
SOUTH ATLANTIC ² -----	10	12	10	-	3	3	-	179	236	1	7	21
Delaware-----	-	-	-	-	-	-	-	5	1	-	-	-
Maryland-----	-	-	4	-	-	-	-	14	10	-	-	-
District of Columbia-----	-	-	1	-	-	-	-	6	10	-	-	-
Virginia-----	4	6	2	-	-	-	-	39	41	-	2	7
West Virginia-----	-	-	-	-	-	-	-	21	50	-	-	1
North Carolina-----	-	1	-	-	-	1	-	21	14	-	-	-
South Carolina-----	-	1	-	-	-	-	-	12	23	-	2	2
Georgia-----	-	1	-	-	3	-	-	36	33	1	2	6
Florida-----	6	3	3	-	-	2	-	25	54	-	1	5
EAST SOUTH CENTRAL-----	2	11	2	-	4	-	2	133	176	1	5	28
Kentucky-----	1	1	2	-	-	-	-	41	54	-	2	20
Tennessee-----	-	-	-	-	4	-	-	38	67	1	2	2
Alabama-----	-	10	-	-	-	-	-	25	15	-	1	6
Mississippi-----	1	-	-	-	-	-	2	29	40	-	-	-
WEST SOUTH CENTRAL-----	3	3	4	-	-	2	1	236	252	-	13	6
Arkansas-----	-	-	-	-	-	-	-	31	43	-	2	1
Louisiana-----	1	3	-	-	-	2	-	86	59	-	-	-
Oklahoma-----	1	-	-	-	-	-	-	11	26	-	-	-
Texas-----	1	-	4	-	-	1	-	108	124	-	11	5
MOUNTAIN-----	2	3	-	-	-	2	1	80	56	-	-	-
Montana-----	-	1	-	-	-	1	-	5	3	-	-	-
Idaho-----	-	1	-	-	-	1	-	9	4	-	-	-
Wyoming-----	1	-	-	-	-	-	-	4	2	-	-	-
Colorado-----	-	-	-	-	-	-	1	9	13	-	-	-
New Mexico-----	-	-	-	-	-	-	-	32	21	-	-	-
Arizona-----	-	-	-	-	-	-	-	12	10	-	-	-
Utah-----	1	1	-	-	-	-	-	-	3	-	-	-
Nevada-----	-	-	-	-	-	-	-	9	-	-	-	-
PACIFIC-----	5	3	2	-	1	3	1	112	103	1	-	4
Washington-----	1	-	1	-	-	-	-	3	7	-	-	-
Oregon-----	1	-	1	-	-	-	-	13	6	-	-	-
California-----	3	3	-	-	1	3	1	96	90	1	-	4
Alaska-----	-	-	-	-	-	-	-	1	2	-	-	-
Hawaii-----	-	-	-	-	-	-	-	31	4	-	-	-
Puerto Rico-----	-	-	-	-	-	-	-	27	17	-	-	-

¹Data include delayed reports from Florida, Montana, Idaho, and New Mexico for the week ended December 20, and exclude report from South Dakota for current week. ²Data for current week include report from Florida for week ended December 20 combined with report for current week, and exclude report from South Dakota. ³Excludes report for week ended December 20.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available; asterisk [*]: disease not notifiable.



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, 1953-57, for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1953-57, 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 the 5-week 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 SELECTED CITIES BY GEOGRAPHIC DIVISIONS

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

AREA	52d week ended Dec. 27, 1958	51st week ended Dec. 20, 1958	Adjusted average, 52d week 1953-57	Percent change, adjusted average to current week	CUMULATIVE NUMBER FIRST 52 WEEKS		
					1958	1957	Percent change
TOTAL: 114 REPORTING CITIES-----	¹ 10,087	11,727	11,330	-11.0	¹ 574,895	570,794	+0.7
New England----- (14 cities)	686	761	756	-9.3	36,429	36,519	-0.2
Middle Atlantic----- (20 cities)	¹ 3,029	3,315	3,335	-9.2	¹ 165,781	165,392	+0.2
East North Central----- (19 cities)	¹ 2,168	2,541	2,479	-12.5	¹ 122,707	123,407	-0.6
West North Central----- (9 cities)	719	930	792	-9.2	40,853	40,873	-0.0
South Atlantic----- (11 cities)	897	959	955	-6.1	49,381	48,195	+2.5
East South Central----- (8 cities)	¹ 414	492	506	-18.2	¹ 26,641	25,555	+4.2
West South Central----- (13 cities)	¹ 712	978	893	-20.3	¹ 48,804	47,574	+2.6
Mountain----- (8 cities)	¹ 290	269	265	+9.4	¹ 15,365	14,429	+6.5
Pacific----- (12 cities)	1,172	1,482	1,387	-15.5	68,934	68,850	+0.1

¹Includes estimate for missing cities.

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Table 4. DEATHS IN SELECTED CITIES

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

AREA	52d week ended Dec. 27, 1958	51st week ended Dec. 20, 1958	CUMULATIVE NUMBER FIRST 52 WEEKS		AREA	52d week ended Dec. 27, 1958	51st week ended Dec. 20, 1958	CUMULATIVE NUMBER FIRST 52 WEEKS	
			1958	1957				1958	1957
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	225	251	12,484	12,352	St. Louis, Mo.-----	229	297	12,764	12,661
Bridgeport, Conn.-----	34	47	1,958	2,003	St. Paul, Minn.-----	43	66	3,647	3,510
Cambridge, Mass.-----	21	27	1,485	1,540	Wichita, Kans.-----	33	69	2,345	2,327
Fall River, Mass.-----	33	32	1,426	1,432	SOUTH ATLANTIC:				
Hartford, Conn.-----	53	41	2,606	2,620	Atlanta, Ga.-----	92	135	5,695	5,757
Lowell, Mass.-----	35	20	1,304	1,444	Baltimore, Md.-----	222	258	12,646	12,567
Lynn, Mass.-----	25	23	1,165	1,136	Charlotte, N. C.-----	23	37	1,832	1,769
New Bedford, Mass.-----	29	22	1,209	1,268	Jacksonville, Fla.-----	76	53	3,065	2,899
New Haven, Conn.-----	42	52	2,385	2,412	Miami, Fla.-----	60	46	3,585	2,668
Providence, R. I.-----	66	83	3,373	3,265	Norfolk, Va.-----	35	35	1,830	1,933
Somerville, Mass.-----	22	13	741	700	Richmond, Va.-----	66	86	3,869	3,927
Springfield, Mass.-----	41	48	2,182	2,218	Savannah, Ga.-----	20	33	1,667	1,596
Waterbury, Conn.-----	12	28	1,351	1,316	St. Petersburg, Fla.-----	(65)	(55)	(3,307)	---
Worcester, Mass.-----	48	74	2,760	2,813	Tampa, Fla.-----	50	49	3,249	3,294
MIDDLE ATLANTIC:					EAST SOUTH CENTRAL:				
Albany, N. Y.-----	35	70	2,591	2,598	Birmingham, Ala.-----	44	85	4,473	4,227
Allentown, Pa.-----	35	34	1,692	1,956	Chattanooga, Tenn.-----	31	37	2,430	2,412
Buffalo, N. Y.-----	140	169	7,766	7,478	Knoxville, Tenn.-----	130	20	2,409	1,416
Camden, N. J.-----	48	47	2,156	2,121	Louisville, Ky.-----	88	100	5,637	5,545
Elizabeth, N. J.-----	30	26	1,513	1,472	Memphis, Tenn.-----	96	109	5,931	5,550
Erie, Pa.-----	37	34	1,854	1,880	Mobile, Ala.-----	41	46	2,010	1,938
Jersey City, N. J.-----	75	77	3,643	3,612	Montgomery, Ala.-----	17	39	1,712	1,400
Newark, N. J.-----	88	107	4,944	5,316	Nashville, Tenn.-----	67	56	3,039	3,067
New York City, N. Y.-----	1,656	1,722	84,218	83,831	WEST SOUTH CENTRAL:				
Paterson, N. J.-----	33	33	2,081	2,004	Austin, Tex.-----	24	29	1,639	1,562
Philadelphia, Pa.-----	455	473	25,737	25,336	Baton Rouge, La.-----	17	36	1,434	1,314
Pittsburgh, Pa.-----	118	165	9,666	9,603	Corpus Christi, Tex.-----	13	14	2,094	1,103
Reading, Pa.-----	22	25	1,113	1,222	Dallas, Tex.-----	116	127	5,995	5,766
Rochester, N. Y.-----	82	95	5,224	5,156	El Paso, Tex.-----	27	35	1,888	1,677
Schenectady, N. Y.-----	25	23	1,188	1,230	Fort Worth, Tex.-----	43	74	3,161	3,305
Scranton, Pa.-----	34	38	1,815	1,978	Houston, Tex.-----	123	161	8,160	7,838
Syracuse, N. Y.-----	48	71	3,241	3,096	Little Rock, Ark.-----	26	76	2,828	2,719
Trenton, N. J.-----	36	37	2,355	2,337	New Orleans, La.-----	137	185	9,008	9,107
Utica, N. Y.-----	19	32	1,398	1,618	Oklahoma City, Okla.-----	62	59	3,511	3,255
Yonkers, N. Y.-----	33	37	1,586	1,548	San Antonio, Tex.-----	73	92	5,031	5,037
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio-----	70	41	2,948	2,904	Albuquerque, N. Mex.-----	20	28	1,443	1,366
Canton, Ohio-----	32	32	1,618	1,657	Colorado Springs, Colo.-----	12	22	785	707
Chicago, Ill.-----	766	822	39,169	39,890	Denver, Colo.-----	99	94	5,791	5,867
Cincinnati, Ohio-----	147	168	8,326	8,000	Ogden, Utah-----	12	10	747	667
Cleveland, Ohio-----	164	217	10,712	10,943	Phoenix, Ariz.-----	54	35	2,363	1,736
Columbus, Ohio-----	105	140	5,955	5,894	Pueblo, Colo.-----	14	14	684	644
Dayton, Ohio-----	166	76	3,732	3,764	Salt Lake City, Utah-----	55	49	2,493	2,395
Detroit, Mich.-----	280	346	16,549	16,982	Tucson, Ariz.-----	24	17	1,059	1,047
Evansville, Ind.-----	34	42	1,986	1,750	PACIFIC:				
Flint, Mich.-----	46	45	1,969	1,971	Berkeley, Calif.-----	25	19	971	1,023
Fort Wayne, Ind.-----	40	32	1,822	1,922	Fresno, Calif.-----	(38)	(35)	(2,100)	---
Gary, Ind.-----	20	39	1,625	1,518	Glendale, Calif.-----	(7)	(34)	(1,693)	---
Grand Rapids, Mich.-----	25	47	2,108	2,122	Long Beach, Calif.-----	41	60	2,860	2,858
Indianapolis, Ind.-----	88	132	6,653	6,338	Los Angeles, Calif.-----	419	522	25,043	24,919
Madison, Wis.-----	---	(35)	---	(1,651)	Oakland, Calif.-----	90	104	4,878	4,951
Milwaukee, Wis.-----	114	127	6,731	6,894	Pasadena, Calif.-----	29	42	1,798	1,838
Peoria, Ill.-----	20	35	1,630	1,566	Portland, Oreg.-----	81	124	5,186	5,082
Rockford, Ill.-----	(20)	(32)	(1,357)	(1,386)	Sacramento, Calif.-----	60	55	2,751	2,708
South Bend, Ind.-----	23	27	1,391	1,370	San Diego, Calif.-----	68	79	4,240	4,191
Toledo, Ohio-----	77	129	5,057	5,021	San Francisco, Calif.-----	176	248	9,807	9,943
Youngstown, Ohio-----	51	44	2,726	2,921	San Jose, Calif.-----	(26)	(20)	(1,198)	---
WEST NORTH CENTRAL:					HONOLULU, HAWAII:				
Des Moines, Iowa-----	59	75	2,845	2,906	Honolulu, Hawaii-----	(21)	(38)	(1,887)	(1,968)
Duluth, Minn.-----	13	46	1,308	1,419					
Kansas City, Kans.-----	32	36	1,491	1,490					
Kansas City, Mo.-----	120	131	6,290	6,268					
Lincoln, Nebr.-----	(16)	(31)	(1,286)	---					
Minneapolis, Minn.-----	137	139	6,581	6,675					
Omaha, Nebr.-----	53	71	3,582	3,617					

¹Estimated. ²Includes estimate for current week.

Symbols.—Parentheses [()]: data not included in table 3; 3 dashes [---]: data not available.

Morbidity and Mortality Weekly Report

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 Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting on these diseases. In addition, 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 at the end of table 1.

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