

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended December 28, 1957

The provisional total number of poliomyelitis cases reported in 52 weeks of 1957 is 5,894 as compared with provisional totals of 15,400 in 1956 and 29,270 in 1955. Paralytic cases for 1957 totaled 2,159 as compared with final totals of 7,911 in 1956 and 13,850 in 1955. Thus the incidence of all types of poliomyelitis declined 62 percent in 1957 as compared with 1956, and paralytic cases declined about 73 percent. For the first time since data on paralytic status of cases became available, cases with paralysis were fewer in number than nonparalytic cases at the end of the year. Preliminary information on age distribution of cases in 1957 shows that the attack rate for paralytic disease was twice as high as the nonparalytic rate in persons under 5 years of age. In the age group 5 to 9 years the nonparalytic rate was twice that for paralytic cases. The highest attack rates for paralytic cases occurred in children 1 and 2 years of age, and the highest rates

for nonparalytic cases were in children 6 and 7 years of age. Attack rates were significantly lower among persons who had received 1 or more doses of poliomyelitis vaccine. Approximately 7 percent of the paralytic and 17 percent of nonparalytic cases reported in 1957 had received 3 or more injections of vaccine. It has been estimated that of the approximately 64 million persons under 20 years of age in the United States 48 million had received 1 or more injections of vaccine as of December 1, 1957, and of the 46 million persons 20 to 40 years of age 16 million had had 1 or more injections.

The incidence of infectious hepatitis reached a peak in 1954, when there were almost 50,000 cases. In each subsequent year the incidence has declined. In 1956 there were 19,278 cases reported, and in 1957 there were 14,806 cases, a decline of 23 percent.

Continued on page 2

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

(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	52d WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Dec. 28, 1957 ¹	Ended Dec. 29, 1956	Median 1952-56	For 52 weeks			Since seasonal low week			
				1957 ^{1 2}	1956	Median 1952-56	1956-57 ^{1 2}	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	-	-	-	21	37	31	(3)	(3)	(3)	(3)
Botulism-----049.1	-	-	-	11	12	12	(3)	(3)	(3)	(3)
Brucellosis (undulant fever)-----044	7	16	22	906	1,100	1,726	(3)	(3)	(3)	(3)
Diphtheria-----055	47	33	48	1,223	1,581	2,065	759	755	1,294	July 1
Encephalitis, infectious-----082	21	22	22	1,854	2,195	1,914	1,294	1,566	1,333	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	140	395	400	14,806	19,278	31,340	3,796	5,199	7,503	Sept. 1
Malaria-----110-117	1	-	2	146	233	697	(3)	(3)	(3)	(3)
Measles-----085	4,719	4,510	4,510	482,439	613,911	613,911	32,785	37,209	34,423	Sept. 1
Meningococcal infections-----057	48	43	70	2,629	2,696	4,141	944	731	1,032	Sept. 1
Meningitis, other-----340	33	26	---	2,344	1,624	---	---	---	---	---
Poliomyelitis-----080	31	102	149	5,894	15,400	35,756	5,368	14,348	33,864	Apr. 1
Paralytic-----080.0,080.1	19	58	---	2,159	6,709	---	1,885	6,126	---	Apr. 1
Nonparalytic-----080.2	6	30	---	2,802	5,878	---	2,639	5,608	---	Apr. 1
Unspecified-----080.3	6	14	---	933	2,813	---	844	2,614	---	Apr. 1
Psittacosis-----096.2	11	5	3	262	508	278	(3)	(3)	(3)	(3)
Rabies in man-----094	-	-	-	5	9	12	(3)	(3)	(3)	(3)
Typhoid fever-----040	8	12	23	1,275	1,759	2,264	1,018	1,447	1,862	Apr. 1
Typhus fever, endemic-----101	-	2	2	114	105	182	89	86	147	Apr. 1
Rabies in animals-----	72	91	96	4,198	4,716	6,776	795	964	1,359	Oct. 1

¹Data exclude reports from Iowa, Pennsylvania, and Virginia for the current week.

²Data exclude report from Nebraska for week ended December 21, 1957. ³Data show no pronounced seasonal change in incidence.

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

The provisional number of psittacosis cases reported in 1957 is about one-half of that reported in 1956. Detailed information was received from 12 States regarding 61 of the 251 cases reported. The probable sources of infection were pigeons in 2 cases, turkeys in a processing plant in 3, and possibly turkeys in another processing plant in 1 case. There was no known exposure to birds or fowl in 3 cases, and in the remaining 52 cases there was contact with psittacine birds. No deaths were reported in the 61 cases.

Although the reported incidence of meningococcal infections was slightly lower in 1957, 2,629 cases compared with 2,696 cases in 1956, there was an increase of 36 percent in the number of cases reported in the final quarter of 1957 compared with the same quarter of 1956. The distribution of cases was widespread since 33 States and every division but 1, the Mountain, reported a greater number of cases of meningococcal infections during this period.

There was a noteworthy decrease of 28 percent in the reported number of cases of typhoid fever. In 1957 there were 1,275 cases, while in 1956 there had been 1,759. During 1957 there was a slight increase of 9 percent in the number of cases of endemic typhus fever reported. In 1956 there had been 105 cases and in 1957 there were 114 cases.

During 1957 there were 5 cases of rabies in man reported. In 1 case no information is available. In the 4 other cases, 3 had received no prophylactic inoculations. The treated case had been bitten by the family dog on the cheek and forearm, and developed symptoms after receiving 21 injections of antirabies vaccine made from brain tissue over a 14-day period and 5 cc. of hyperimmune serum the day after he was bitten. The ages of the rabid individuals were 15 months, 10 years, 14, and 41. The 10-, 14-, and 41-year-olds were bitten by dogs, but the 15-month-old child was probably bitten by a rodent.

The first case of rabies in animals in Connecticut since 1949 was reported in July 1957 when a rabid skunk was captured. It was believed that this animal had previously attacked a sleeping boy. In November a rabid fox was also captured. The Virginia Department of Health has reported that the rabies picture has changed during the past 5 years in that State. Formerly canine rabies was predominant. In 1957 almost 73 percent of the cases occurred in foxes and only 6 percent in dogs. For the past 2 years more rabies has been reported in cattle than in dogs. The reduction in the number of cases of canine rabies is ascribed to intensive vaccination programs.

EPIDEMIOLOGICAL REPORTS

Diphtheria

The incidence of diphtheria declined from 1,581 cases in 1956 to 1,223 cases in 1957, a decrease of 23 percent. Despite the overall decline 3 geographical divisions, the New England, Middle Atlantic, and South Atlantic, and 15 States reported more cases of diphtheria in 1957 than in 1956. In both years over half the cases were reported by 6 States. In 1957 the 6 States

were Texas, Michigan, Georgia, South Carolina, Florida, and Alabama. The incidence from the seasonal low, July 1, was slightly higher in 1957 (759 cases) than in 1956 (755 cases). In July there was an institutional outbreak in Washington. During the last 4 months outbreaks were reported in South Carolina, Georgia, Pennsylvania, Wyoming, and Michigan.

Dr. G. H. Agate, Michigan Department of Health, has reported that of the large number of diphtheria cases (101) in that State in the last 3 weeks 97 have occurred in the same area of Detroit that was involved in an outbreak 1 year ago. This is an area of low socioeconomic status. The first case was in an unimmunized 9-year-old child, a member of a family who lived in the area last year. The cases have occurred mostly in children, equally divided among white and Negro families. Twenty carriers have been found. The cases appear to be milder than last year and there have been no deaths.

The Alaska Department of Health has reported 11 cases of diphtheria in Fairbanks area 5 of which have been confirmed by throat smears and cultures. A total of 5,200 immunizations have been given and throat swabs have been obtained from 300 contacts. Septic sore throat is also very prevalent in the area, 350 cases being estimated.

Influenza

Reports from various States indicate that incidence of influenza is continuing to decline. There was a decrease in the number of deaths from all causes in the large cities, 10,504 for the week ended December 28 as compared with 11,997 for the previous week. Fewer deaths were reported in the New England, Middle Atlantic, East North Central, and West North Central Divisions than were reported for the corresponding week in 1956. Only 3 cities reported more than the expected number of deaths for the current week.

The number of deaths from influenza and pneumonia was 486 as compared with 565 for the previous week in the large cities. The decrease occurred in all geographic areas except the East North Central and East South Central. The expected number was higher in 2 divisions, the East North Central and Mountain.

It is to be expected that the holidays may cause some undercounting of deaths from all causes and from influenza and pneumonia in some areas.

QUARANTINE MEASURES

Immunization Information for International Travel

Public Health Service Publication No. 384

Europe.—Rumania (Supplement, p. 19) now requires small-pox vaccination of arrivals from infected areas, and cholera vaccination of arrivals 1 year of age and over from infected areas. All other information remains the same.

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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 29, 1956 AND DECEMBER 28, 1957

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	BRUCELLOSIS (UNDULANT FEVER)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092, N998.5 pt.			
	044		52d week		Cumulative for 52 weeks		082		52d week		Cumulative for 52 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES ^{1 2} ----	7	16	47	33	1,223	1,581	21	22	140	395	14,806	19,278
NEW ENGLAND-----	1	1	-	-	27	17	-	2	6	22	770	1,206
Maine-----	-	-	-	-	3	-	-	-	2	7	240	306
New Hampshire-----	-	-	-	-	-	1	-	-	-	1	8	34
Vermont-----	-	-	-	-	-	-	-	-	-	2	89	169
Massachusetts-----	1	1	-	-	24	16	-	2	3	6	231	305
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	78	141
Connecticut-----	-	-	-	-	-	-	-	-	1	6	125	252
MIDDLE ATLANTIC ¹ -----	-	-	-	1	92	67	6	2	19	43	2,395	4,081
New York-----	-	-	-	1	40	22	6	2	18	27	1,505	2,238
New Jersey-----	-	-	-	-	10	24	-	-	1	4	288	376
Pennsylvania-----	-	-	-	-	142	21	-	-	-	12	1,602	1,467
EAST NORTH CENTRAL-----	1	4	32	6	155	341	3	2	30	47	2,571	2,961
Ohio-----	-	-	-	3	14	21	2	1	11	13	631	718
Indiana-----	-	-	1	-	19	92	-	-	2	4	334	395
Illinois-----	1	2	-	2	3	10	1	1	5	11	702	697
Michigan-----	-	1	31	1	117	216	-	-	11	11	667	816
Wisconsin-----	-	1	-	-	2	2	-	-	1	8	237	335
WEST NORTH CENTRAL ^{1 2} -----	4	7	1	2	90	137	2	2	3	92	795	1,580
Minnesota-----	1	1	-	-	35	27	-	-	2	81	295	574
Iowa-----	-	4	-	-	112	18	-	-	-	2	176	370
Missouri-----	-	1	-	-	1	14	1	2	1	1	130	98
North Dakota-----	-	-	-	1	3	13	-	-	-	6	102	151
South Dakota-----	-	1	-	-	10	12	1	-	-	1	36	179
Nebraska-----	2	-	1	-	222	34	-	-	-	-	224	97
Kansas-----	1	-	-	1	7	19	-	-	-	1	32	111
SOUTH ATLANTIC ¹ -----	-	1	10	16	398	393	-	-	6	25	1,123	1,228
Delaware-----	-	-	-	-	-	-	-	-	-	-	12	31
Maryland-----	-	-	-	-	3	2	-	-	-	5	95	98
District of Columbia-----	-	-	-	-	-	1	-	-	-	1	13	22
Virginia-----	-	1	-	-	120	32	-	-	-	9	1,422	489
West Virginia-----	-	-	-	2	10	10	-	-	3	5	101	72
North Carolina-----	-	-	-	1	50	69	-	-	1	1	111	127
South Carolina-----	-	-	1	9	106	94	-	-	-	2	36	73
Georgia-----	-	-	9	-	122	83	-	-	1	1	135	161
Florida-----	-	-	-	4	87	102	-	-	1	1	198	155
EAST SOUTH CENTRAL-----	-	2	2	2	163	212	2	1	14	23	1,834	1,683
Kentucky-----	-	-	1	-	19	17	1	1	7	14	786	544
Tennessee-----	-	2	1	-	13	23	-	-	-	2	642	701
Alabama-----	-	-	-	2	71	115	1	-	7	4	273	210
Mississippi-----	-	-	-	-	60	57	-	-	-	3	133	228
WEST SOUTH CENTRAL-----	1	1	2	3	214	297	-	-	12	13	1,146	1,352
Arkansas-----	-	-	-	-	46	22	-	-	1	4	82	150
Louisiana-----	-	-	-	-	25	38	-	-	-	-	52	138
Oklahoma-----	1	1	-	-	23	59	-	-	3	-	144	115
Texas-----	-	-	2	3	120	178	-	-	8	9	868	949
MOUNTAIN-----	-	-	-	2	49	62	1	-	19	25	1,392	1,672
Montana-----	-	-	-	-	14	4	-	-	2	-	195	389
Idaho-----	-	-	-	-	1	1	-	-	-	1	101	202
Wyoming-----	-	-	-	-	11	7	-	-	-	2	55	117
Colorado-----	-	-	1	2	2	4	-	-	3	4	201	376
New Mexico-----	-	-	1	15	37	37	1	-	4	11	406	174
Arizona-----	-	-	-	-	4	6	-	-	9	7	330	328
Utah-----	-	-	-	-	2	3	-	-	1	-	74	77
Nevada-----	-	-	-	-	-	-	-	-	-	-	30	9
PACIFIC-----	-	-	-	1	35	55	7	13	31	105	2,780	3,515
Washington-----	-	-	-	-	23	12	-	-	7	19	382	636
Oregon-----	-	-	-	-	3	11	-	-	7	7	506	690
California-----	-	-	-	1	9	32	7	13	17	79	1,892	2,189
Alaska-----	-	-	-	-	5	36	-	-	1	2	116	212
Hawaii-----	-	-	-	-	1	-	-	-	2	-	71	55
Puerto Rico-----	-	1	-	4	60	90	-	-	-	-	159	233

¹Data exclude reports from Iowa, Pennsylvania, and Virginia for the current week.²Data exclude report from Nebraska for week ended December 21, 1957.

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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 29, 1956 AND DECEMBER 28, 1957—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total ^a				Paralytic		Nonparalytic		110-117		085	
	52d week		Cumulative for 52 weeks		080.0,080.1		080.2					
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES ^{1 2}	31	102	5,894	15,400	19	58	6	30	1	-	4,719	4,510
NEW ENGLAND-----	-	1	83	252	-	1	-	-	-	-	303	248
Maine-----	-	-	9	22	-	-	-	-	-	-	62	73
New Hampshire-----	-	-	4	3	-	-	-	-	-	-	5	3
Vermont-----	-	-	5	21	-	-	-	-	-	-	3	24
Massachusetts-----	-	1	25	111	-	1	-	-	-	-	198	52
Rhode Island-----	-	-	-	9	-	-	-	-	-	-	4	-
Connecticut-----	-	-	40	86	-	-	-	-	-	-	31	96
MIDDLE ATLANTIC ¹ -----	1	10	341	1,219	-	3	1	4	-	-	560	644
New York-----	1	5	217	797	-	3	1	2	-	-	508	243
New Jersey-----	-	2	79	212	-	-	-	2	-	-	52	184
Pennsylvania-----	-	3	145	210	-	-	-	-	-	-	-	217
EAST NORTH CENTRAL-----	2	22	1,546	4,141	1	16	1	2	-	-	1,626	548
Ohio-----	-	3	273	628	-	2	-	-	-	-	402	73
Indiana-----	-	6	201	433	-	4	-	1	-	-	45	104
Illinois-----	1	9	347	1,843	1	7	-	1	-	-	187	69
Michigan-----	1	4	511	683	-	3	1	-	-	-	68	153
Wisconsin-----	-	-	214	554	-	-	-	-	-	-	924	149
WEST NORTH CENTRAL ^{1 2} -----	2	9	462	1,715	2	3	-	5	-	-	66	182
Minnesota-----	-	1	55	205	-	1	-	-	-	-	5	82
Iowa-----	-	1	185	629	-	1	-	-	-	-	-	17
Missouri-----	1	-	126	421	1	-	-	-	-	-	1	33
North Dakota-----	-	2	11	40	-	1	-	1	-	-	55	37
South Dakota-----	1	-	42	38	1	-	-	-	-	-	-	9
Nebraska-----	-	5	277	195	-	-	-	4	-	-	5	3
Kansas-----	-	-	66	187	-	-	-	-	-	-	-	1
SOUTH ATLANTIC ¹ -----	2	10	848	1,512	-	7	1	2	-	-	552	292
Delaware-----	-	1	5	28	-	1	-	-	-	-	1	12
Maryland-----	-	-	41	111	-	-	-	-	-	-	145	10
District of Columbia-----	-	-	70	11	-	-	-	-	-	-	27	-
Virginia-----	-	5	112	236	-	4	-	1	-	-	-	27
West Virginia-----	-	1	51	114	-	1	-	-	-	-	239	59
North Carolina-----	-	-	221	336	-	-	-	-	-	-	9	31
South Carolina-----	-	2	129	114	-	1	-	1	-	-	33	63
Georgia-----	2	-	86	197	-	-	1	-	-	-	69	42
Florida-----	-	1	133	365	-	-	-	-	-	-	29	48
EAST SOUTH CENTRAL-----	6	9	425	755	-	4	1	1	1	-	411	722
Kentucky-----	1	2	110	200	-	1	-	1	-	-	75	236
Tennessee-----	-	2	150	156	-	1	-	-	-	-	324	397
Alabama-----	4	3	59	103	-	-	-	-	1	-	12	68
Mississippi-----	1	2	106	296	-	2	1	-	-	-	-	21
WEST SOUTH CENTRAL-----	8	19	1,105	2,426	8	13	-	6	-	-	279	437
Arkansas-----	-	4	55	220	-	3	-	1	-	-	55	39
Louisiana-----	-	3	181	622	-	2	-	1	-	-	3	-
Oklahoma-----	2	-	125	224	2	-	-	-	-	-	14	5
Texas-----	6	12	744	1,360	6	8	-	4	-	-	207	393
MOUNTAIN-----	2	7	247	838	2	4	-	2	-	-	338	534
Montana-----	-	1	12	56	-	1	-	-	-	-	85	33
Idaho-----	-	-	25	110	-	-	-	-	-	-	131	23
Wyoming-----	-	-	13	37	-	-	-	-	-	-	4	2
Colorado-----	-	2	50	162	-	1	-	1	-	-	35	64
New Mexico-----	-	2	50	84	-	2	-	-	-	-	41	120
Arizona-----	2	1	60	130	2	-	-	1	-	-	29	90
Utah-----	-	-	33	224	-	-	-	-	-	-	13	151
Nevada-----	-	1	4	35	-	-	-	-	-	-	-	51
PACIFIC-----	8	15	837	2,542	6	7	2	8	-	-	584	903
Washington-----	1	2	22	190	1	-	-	2	-	-	56	239
Oregon-----	2	1	52	173	1	-	1	1	-	-	399	42
California-----	5	12	763	2,179	4	7	1	5	-	-	129	622
Alaska-----	-	-	3	12	-	-	-	-	-	-	5	1
Hawaii-----	-	-	10	68	-	-	-	-	-	-	6	201
Puerto Rico-----	-	-	33	51	-	-	-	-	-	-	42	22

¹Data exclude reports from Iowa, Pennsylvania, and Virginia for the current week.

²Data exclude report from Nebraska for week ended December 21, 1957.

³Includes cases not specified by type, category number 080.3.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED DECEMBER 29, 1956 AND DECEMBER 28, 1957--Continued
(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

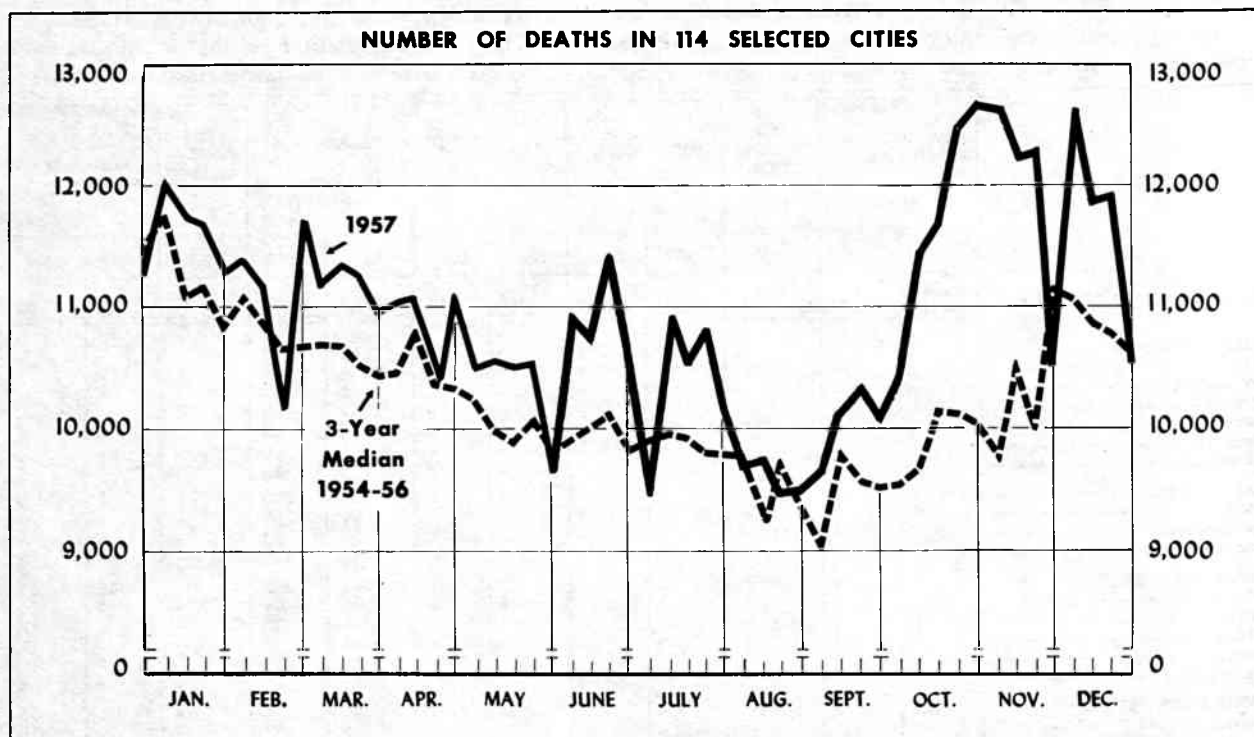
AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ENDEMIC	RABIES IN ANIMALS	
	057			340		096.2		Cumulative for 52 weeks			101	
	1957	1956	1957	1957	1956	1957	1956	1957	1956	1957		1957
CONT. UNITED STATES ^{1 2}	48	43	33	11	5	8	12	1,275	1,759	-	72	91
NEW ENGLAND-----	3	5	5	-	-	-	-	25	57	-	-	-
Maine-----	-	-	1	-	-	-	-	2	17	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	2	-	-	-	-
Vermont-----	-	1	-	-	-	-	-	-	3	-	-	-
Massachusetts-----	1	1	3	-	-	-	-	13	18	-	-	-
Rhode Island-----	-	1	-	-	-	-	-	5	6	-	-	-
Connecticut-----	2	2	1	-	-	-	-	3	13	-	-	-
MIDDLE ATLANTIC ¹ -----	3	5	-	-	-	-	1	156	206	-	1	5
New York-----	1	4	-	-	-	-	-	59	58	-	-	4
New Jersey-----	2	1	-	-	-	-	1	20	33	-	-	-
Pennsylvania-----	-	-	-	-	-	-	-	77	115	-	-	1
EAST NORTH CENTRAL-----	8	6	7	1	4	3	1	181	232	-	12	15
Ohio-----	2	-	-	1	-	1	1	66	64	-	8	10
Indiana-----	2	-	-	-	-	1	-	64	31	-	2	2
Illinois-----	2	3	7	-	1	-	-	21	37	-	-	-
Michigan-----	1	3	-	-	-	-	-	15	55	-	2	2
Wisconsin-----	1	-	-	-	3	1	-	15	45	-	-	1
WEST NORTH CENTRAL ^{1 2} -----	8	2	-	2	-	1	-	91	203	-	16	16
Minnesota-----	2	-	-	2	-	-	-	6	37	-	9	6
Iowa-----	-	1	-	-	-	-	-	22	61	-	-	8
Missouri-----	-	-	-	-	-	1	-	46	70	-	1	2
North Dakota-----	-	1	-	-	-	-	-	2	6	-	4	-
South Dakota-----	2	-	-	-	-	-	-	8	3	-	-	-
Nebraska-----	3	-	-	-	-	-	-	21	13	-	2	-
Kansas-----	1	-	-	-	-	-	-	6	13	-	-	-
SOUTH ATLANTIC ¹ -----	6	9	7	3	-	-	4	236	288	-	14	28
Delaware-----	-	-	-	-	-	-	-	1	4	-	-	-
Maryland-----	-	-	-	-	-	-	1	10	22	-	-	-
District of Columbia-----	-	-	2	-	-	-	-	10	12	-	-	-
Virginia-----	-	2	-	-	-	-	-	41	56	-	-	9
West Virginia-----	-	1	-	-	-	-	1	50	25	-	1	-
North Carolina-----	1	-	-	-	-	-	-	14	29	-	-	8
South Carolina-----	1	3	2	-	-	-	-	23	31	-	2	4
Georgia-----	1	2	3	3	-	-	1	33	54	-	6	5
Florida-----	3	1	-	-	-	-	1	54	55	-	5	2
EAST SOUTH CENTRAL-----	11	5	-	4	-	2	-	176	236	-	19	14
Kentucky-----	1	1	-	-	-	-	-	54	57	-	11	5
Tennessee-----	-	-	-	4	-	-	-	67	82	-	2	2
Alabama-----	10	4	-	-	-	2	-	15	30	-	6	7
Mississippi-----	-	-	-	-	-	-	-	40	67	-	-	-
WEST SOUTH CENTRAL-----	3	4	5	-	-	1	3	252	339	-	6	8
Arkansas-----	-	-	-	-	-	-	1	43	72	-	1	1
Louisiana-----	3	-	-	-	-	-	-	59	55	-	-	7
Oklahoma-----	-	-	1	-	-	-	-	26	53	-	-	-
Texas-----	-	4	4	-	-	1	2	124	159	-	5	-
MOUNTAIN-----	3	3	5	-	-	1	2	56	79	-	-	3
Montana-----	1	1	-	-	-	-	-	3	3	-	-	-
Idaho-----	1	-	-	-	-	-	-	4	4	-	-	-
Wyoming-----	-	-	-	-	-	-	-	2	3	-	-	-
Colorado-----	-	-	5	-	-	1	1	13	22	-	-	-
New Mexico-----	-	1	-	-	-	-	1	21	19	-	-	-
Arizona-----	-	1	-	-	-	-	-	10	24	-	-	3
Utah-----	1	-	-	-	-	-	-	3	2	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	2	-	-	-
PACIFIC-----	3	4	4	1	1	-	1	102	119	-	4	2
Washington-----	-	-	1	-	-	-	-	7	3	-	-	-
Oregon-----	-	-	3	-	-	-	-	6	14	-	-	-
California-----	3	4	-	1	1	-	1	89	102	-	4	2
Alaska-----	-	-	-	-	-	-	-	2	1	-	-	-
Hawaii-----	-	-	-	-	-	-	-	4	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	1	17	87	-	-	-

¹Data exclude reports from Iowa, Pennsylvania, and Virginia for the current week.

²Data exclude report from Nebraska for week ended December 21, 1957.

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

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The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) 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 to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated for deaths occurring in that 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.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city with a weekly average of 50 deaths, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ($d \pm 2\sqrt{d}$, where d represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their 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. 28, 1957	51st week ended Dec. 21, 1957	52d week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FOR 52 WEEKS		
					1957	1956	Percent change
TOTAL: 110 REPORTING CITIES-----	10,373	11,840	10,507	-1.3	563,177	537,051	+4.9
New England----- (14 cities)	699	708	748	-6.6	36,519	35,075	+4.1
Middle Atlantic----- (19 cities)	2,799	3,477	3,059	-8.5	163,388	157,461	+3.8
East North Central----- (19 cities)	2,360	2,497	2,402	-1.8	123,407	118,363	+4.3
West North Central----- (9 cities)	804	875	766	+5.0	40,873	38,484	+6.2
South Atlantic----- (10 cities)	868	1,017	825	+5.2	46,426	43,898	+5.8
East South Central----- (7 cities)	419	503	388	+8.0	24,139	22,730	+6.2
West South Central----- (12 cities)	844	983	760	+11.1	45,146	41,490	+8.8
Mountain----- (8 cities)	293	315	234	+25.2	14,429	12,815	+12.6
Pacific----- (12 cities)	1,287	1,465	1,259	+2.2	68,850	66,735	+3.2

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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. 28, 1957	51st week ended Dec. 21, 1957	CUMULATIVE NUMBER FOR 52 WEEKS		AREA	52d week ended Dec. 28, 1957	51st week ended Dec. 21, 1957	CUMULATIVE NUMBER FOR 52 WEEKS	
			1957	1956				1957	1956
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	239	231	12,352	11,870	St. Louis, Mo.-----	247	272	12,661	12,119
Bridgeport, Conn.-----	20	51	2,003	1,891	St. Paul, Minn.-----	88	91	3,510	3,397
Cambridge, Mass.-----	31	21	1,540	1,525	Wichita, Kans.-----	34	37	2,327	2,173
Fall River, Mass.-----	24	29	1,432	1,426	SOUTH ATLANTIC				
Hartford, Conn.-----	56	38	2,620	2,433	Atlanta, Ga.-----	86	99	5,757	5,591
Lowell, Mass.-----	25	30	1,444	1,226	Baltimore, Md.-----	246	243	12,567	11,989
Lynn, Mass.-----	29	28	1,136	1,092	Charlotte, N. C.-----	---	(36)	---	(1,550)
New Bedford, Mass.-----	24	30	1,268	1,167	Jacksonville, Fla.-----	66	75	2,899	2,657
New Haven, Conn.-----	45	44	2,412	2,381	Miami, Fla.-----	56	63	2,668	2,649
Providence, R. I.-----	79	72	3,265	3,205	Norfolk, Va.-----	21	38	1,933	1,687
Somerville, Mass.-----	20	19	700	777	Richmond, Va.-----	80	99	3,927	3,644
Springfield, Mass.-----	43	35	2,218	2,141	Savannah, Ga.-----	27	54	1,596	1,473
Waterbury, Conn.-----	22	36	1,316	1,326	Tampa, Fla.-----	61	79	3,294	2,989
Worcester, Mass.-----	42	44	2,813	2,615	Washington, D. C.-----	186	216	9,892	9,412
					Wilmington, Del.-----	39	51	1,893	1,807
MIDDLE ATLANTIC					EAST SOUTH CENTRAL				
Albany, N. Y.-----	51	57	2,598	2,514	Birmingham, Ala.-----	68	107	4,227	3,946
Allentown, Pa.-----	26	30	1,956	1,928	Chattanooga, Tenn.-----	33	46	2,412	2,154
Buffalo, N. Y.-----	46	183	7,478	7,306	Knoxville, Tenn.-----	---	(30)	---	(1,673)
Camden, N. J.-----	46	53	2,121	2,024	Louisville, Ky.-----	72	97	5,545	5,443
Elizabeth, N. J.-----	29	23	1,472	1,434	Memphis, Tenn.-----	108	125	5,550	5,116
Erie, Pa.-----	33	32	1,880	1,690	Mobile, Ala.-----	53	50	1,938	1,809
Jersey City, N. J.-----	66	71	3,612	3,607	Montgomery, Ala.-----	20	25	1,400	1,474
Newark, N. J.-----	72	104	5,316	4,978	Nashville, Tenn.-----	65	53	3,067	2,788
New York City, N. Y.-----	1,585	1,796	83,831	80,647	WEST SOUTH CENTRAL				
Peterson, N. J.-----	(41)	---	---	(1,977)	Austin, Tex.-----	26	31	1,562	1,416
Philadelphia, Pa.-----	381	529	25,336	24,480	Baton Rouge, La.-----	22	29	1,314	1,155
Pittsburgh, Pa.-----	129	199	9,603	9,437	Corpus Christi, Tex.-----	21	29	1,103	1,036
Reading, Pa.-----	24	31	1,222	1,118	Dallas, Tex.-----	119	120	5,766	5,636
Rochester, N. Y.-----	76	129	5,156	4,915	El Paso, Tex.-----	31	39	1,677	1,402
Schenectady, N. Y.-----	26	28	1,230	1,164	Fort Worth, Tex.-----	57	58	3,305	3,046
Scranton, Pa.-----	48	31	1,978	1,764	Houston, Tex.-----	141	181	7,838	7,036
Syracuse, N. Y.-----	62	68	3,096	3,081	Little Rock, Ark.-----	27	45	2,719	2,385
Trenton, N. J.-----	47	39	2,337	2,239	New Orleans, La.-----	199	202	9,107	8,210
Utica, N. Y.-----	27	33	1,618	1,604	Oklahoma City, Okla.-----	59	67	3,255	3,255
Yonkers, N. Y.-----	25	41	1,548	1,531	San Antonio, Tex.-----	102	120	5,037	4,598
					Shreveport, La.-----	---	(47)	---	(2,291)
					Tulsa, Okla.-----	40	62	2,463	2,315
EAST NORTH CENTRAL					MOUNTAIN				
Akron, Ohio-----	66	65	2,904	2,768	Albuquerque, N. Mex.-----	39	30	1,366	1,190
Canton, Ohio-----	32	34	1,657	1,476	Colorado Springs, Colo.-----	12	16	707	668
Chicago, Ill.-----	792	823	39,890	38,041	Denver, Colo.-----	105	108	5,867	5,589
Cincinnati, Ohio-----	194	109	8,000	7,808	Ogden, Utah-----	17	14	667	653
Cleveland, Ohio-----	186	265	10,943	10,661	Phoenix, Ariz.-----	42	53	1,736	1,369
Columbus, Ohio-----	121	96	5,894	5,614	Pueblo, Colo.-----	10	8	644	650
Dayton, Ohio-----	75	74	3,764	3,461	Salt Lake City, Utah-----	46	63	2,395	2,304
Detroit, Mich.-----	300	337	16,982	16,400	Tucson, Ariz.-----	22	23	1,047	392
Evansville, Ind.-----	37	46	1,730	1,719	PACIFIC				
Flint, Mich.-----	42	38	1,971	1,991	Berkeley, Calif.-----	19	22	1,023	883
Fort Wayne, Ind.-----	39	38	1,922	1,849	Long Beach, Calif.-----	51	79	2,858	2,763
Gary, Ind.-----	36	29	1,518	1,495	Los Angeles, Calif.-----	440	544	24,919	24,421
Grand Rapids, Mich.-----	36	44	2,122	2,107	Oakland, Calif.-----	111	102	4,951	4,744
Indianapolis, Ind.-----	90	143	6,338	6,083	Pasadena, Calif.-----	32	35	1,838	1,808
Milwaukee, Wis.-----	131	141	6,894	6,447	Portland, Oreg.-----	92	79	5,082	4,896
Peoria, Ill.-----	26	27	1,566	1,500	Sacramento, Calif.-----	53	68	2,708	2,528
South Bend, Ind.-----	20	34	1,370	1,270	San Diego, Calif.-----	91	99	4,191	3,913
Toledo, Ohio-----	88	101	5,021	4,906	San Francisco, Calif.-----	195	214	9,943	9,903
Youngstown, Ohio-----	49	53	2,921	2,767	Seattle, Wash.-----	126	143	6,856	6,535
					Spokane, Wash.-----	55	47	2,448	2,377
					Tacoma, Wash.-----	22	33	2,033	1,964
					Honolulu, Hawaii-----	(37)	(39)	(1,968)	(1,805)
WEST NORTH CENTRAL									
Des Moines, Iowa-----	41	65	2,906	2,606					
Duluth, Minn.-----	28	29	1,419	1,334					
Kansas City, Kans.-----	32	29	1,490	1,580					
Kansas City, Mo.-----	133	149	6,268	5,635					
Minneapolis, Minn.-----	132	143	6,675	6,244					
Omaha, Nebr.-----	69	60	3,617	3,396					

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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